

TITEL	AUTOR	JOURNAL	NUMMER
Demonstration of image transmission through fibers by optical phase conjugation	Dunning G.J., Lind R.C.	OL 7(82)558-560	1
Tilted-pulses second-harmonic beam analysis for femtosecond to subnanosecond laser pulse-duration measurements	Janszky J., Corradi G., Gyuzalian R.N.	AP B 33(84)79-82	2
Sum frequency beam analysis for the determination of the temporal characteristics of ultrashort light pulses	Janszky J., Corradi G., Arakelian S.A., Gyuzalian R.N., Sogomonian S.B.	OQE 16(84)109-115	3
OPC von Picosekundenimpulsen durch Vierwellenwechselwirkung in LiNbO ₃	Alum Ch. P., Wlad I.W., Dabu R., Kowaltschuk J.W., Ostrowskaja G.W., Ostro	Pis SCH T F 7(81)1365-1368	4
Degenerate two-wave mixing in the collinear geometry	Saldin D.K., Wilson T., Solymar L.	JOSA 72(82)1179-1182	5
Picosecond generation of conjugate wavefronts in LiNbO ₃ crystals at 530 nm	Vlad V.I., Ostrovskaya G.V., Ostrovsky I.I., Kovalchuk Y.V., Alum J.P., Da	Centr. Inst. of Physics, Bucharest, LOP-2	6
Transient four-wave mixing and real time holography in atomic systems	Yariv A., Auyeung J.	IEEE 15(79)224-228	7
Observation of higher-order diffraction components in degenerate four-wave mixing experiments in Bi ₁₂ GeO ₂₀ crystals	Ja Y.H.	EL 17(81)488-489	8
Theory of wave-front-distortion correction by phase conjugation	Mittra R., Habashy T.M.	JOSA A 1(84)1103-1109	9
Temporal analysis of short laser pulses using degenerate four-wave mixing	Janszky J., Corradi G., Hamilton D.S.	AO 23(84)8-9	11
"Running" holograms in photorefractive Bi ₁₂ SiO ₂₀ crystals (BSO)	Stepanov S.I., Kulikov V.V., Petrov M.P.	OC 44(82)19-23	12
A two-dimensional vectorial theory of degenerate four-wave mixing	Wilson T., Saldin D.K., Solymar L.	OC 39(1981) 11-14	13
Phase conjugation in liquids in the picosecond range	Rivoire G., Ferrier J.L., Gazengel J., Xuan N.P.	J. de Phys. 44(83)C2-81-90	14
Degenerate four-wave mixing with a nonplanar object beam	Wilson T., Saldin D.K., Solymar L.	OQE 13(1981) 411-414	15
Elimination of distortions by phase conjugation without losses or gains	Agarwal G.S., Friberg A.T., Wolf E.	OC 43(82)446-450	16
Amplified reflection, phase conjugation, and oscillation in degenerate four-wave mixing	Yariv A., Pepper D.M.	OL 1(77)16-18	17

Quantum statistics of the degenerate four-wave mixing process	Janszky J., Yushin Y.Y.	OC 49(84)290-292	18
Real-time image dedlurring using four-wave mixing	Ja Y.H.	OQE 15(83)457-459	19
Real-time edge enhancement in four-wave mixing with photorefractive BGO crystals	Ja Y.H.	OQE 15(83)269-273	20
Using the shooting method to solve boundary-value problems involving nonlinear coupled-wave equations	Ja Y.H.	OQE 15(83)529-538	21
Real-time image subtraction in four-wave mixing with photorefractive Bi ₁₂ GeO ₂₀ crystals (BGO)	Ja Y.H.	OC 42(82)377-380	22
Real-time image division in four-wave mixing with photorefractive Bi ₁₂ GeO ₂₀ crystals (BGO)	Ja Y.H.	OC 44(82)24-28	23
Transverse modes of a stimulated scattering phase-conjugate resonator	Giuliani G., Denariez-Roberge M.M., Belanger P.A.	AO 21(82)3719-3724	24
Phase conjugation and image reconstruction in stimulated scattering	Rivoire G., Sokolovskaia A.	OC 42(82)138-142	25
Four wave mixing in picosecond range: intensities, duration, wave front reconstruction	Ferrier J.L., Wu Z., Nguyen X.P., Rivoire G.	OC 41(82)207-212	26
Imaging through a distorting medium with and without phase conjugation	Feinberg J.	APL 42(83)30-32	27
Self-pumped, continuous-wave phase conjugator using internal reflection	Feinberg J.	OL 7(82)486-488	28
Continuous-wave self-pumped phase conjugator with wide field of view	Feinberg J.	OL 8(1983) 480-482	29
Theory of a self-pumped phase conjugator with two coupled interaction regions	Mac Donald K.R., Feinberg J.	JOSA 73(83)548-553	30
A mechanical approach of phase conjugation	Wu Z.X., Ferrier J.L., Rivoire G., Thibeau M.	RPA 17(82)645-648	31
Backward scattering in the picosecond range: generation and geometrical conditions for wave front reconstruction	Ferrier J.L., Wu Z., Gazengel J., Xuan N.P., Rivoire G.	OC 41(82)135-139	32
Influence of the non linear refraction index on the phase conjugation efficiency in stimulated scattering effects	Rivoire G., Ferrier J.L., Gazengel J., Lecoq J.P., Xuan N.P.	OC 48(83)143-148	33
Instabilities and all-optical phase-controlled switching in a nonlinear directional coherent coupler	Wabnitz S., Wright E.M., Seaton C.T., Stegeman G.I.	APL 49(1986) 838-840	34
Theory and applications of four-wave mixing in photorefractive media	Cronin-Golomb M., Fischer B., White J.O., Yariv A.	IEEE QE 20(1984) 12-30	35

Applications of optical phase conjugation	Giuliano C.R.	PT 4(81)27-35	36
Large optical nonlinearities and cw degenerate four-wave mixing in HgCdTe	Jain R.K., Steel D.G.	OC 43(1982) 72-75	37
A fabry-perot etalon with one phase-conjugate mirror	Nazarathy M.	OC 45(1983) 117-121	38
Adaptive laser resonator	Freeman R.H., Freiberg R.J., Garcia H.R.	OL 2(78)61-63	39
Wave-front dislocations: topological limitations for adaptive systems with phase conjugation	Baranova N.B., Mamaev A.V., Pilipetsky N.F., Shkunov V.V., Zel'dovich B.Y.	JOSA 73(83)525-528	40
Real-time holography and wave-front conjugation by stimulated scattering	Sokolovskaia A.I., Brekhovskikh G.L., Kudriavtseva A.D.	JOSA 73(83)554-557	41
Regenerative amplification in a XeCl excimer laser with a phase-conjugating Brillouin mirror	Armandillo E.	OC 49(84)198-200	42
Degenerate four-wave mixing in semiconductors and ferroelectrics	Klein M.B., Jain R.K., Valley G.C.	J. de Phys. C2-149-158	43
Applications of degenerate four-wave mixing to high resolution molecular spectroscopy at 10.μm	Boulnois J.L.	J. de Phys. 44(83) C2-113-118	44
Optical phase conjugation in laser resonators	Giuliano C.R., Lind R.C., O'Meara T.R., Valley G.C.	J. de Phys. 44(83)C2-45-59	45
Phase conjugation of KrF laser radiation	Gower M.C., Caro R.G.	J. de Phys. 44(83)C2-19-25	46
Applications of nonlinear phase conjugation in compensated active imaging	O'Meara T.R.	OE 21(82)231-236	47
Nonlinear optical phase conjugation	Pepper D.M.	OE 21(82)156-181	48
Test of fidelity of phase conjugation	Falk J.	OL 7(82)620-622	49
Wavefront compensation with pseudoconjugation	O'Meara T.R.	OE 21(82)271-280	50
Phase conjugation and optical resonator	Belanger P.A.	OE 21(82)266-270	51
Optical beam phase conjugation by four-wave mixing in a waveguide	Hellwarth R.W.	OE 21(82)263-265	52
Optical beam phase conjugation by stimulated backscattering	Hellwarth R.W.	OE 21(82)257-261	53
Applications of wavefront reversal by stimulated Brillouin scattering	Hon D.T.	OE 21(82)252-256	54
Compensation of laser amplifier trains with nonlinear conjugation techniques	O'Meara T.R.	OE 21(82)243-251	55
Time-domain signal processing via four-wave mixing in nonlinear delay lines	O'Meara T.R., Yariv A.	OE 21(82)237-242	56
Spatial information processing and distortion correction via four-wave mixing	White J.O., Yariv A.	OE 21(82)224-230	57

Doppler-free laser spectroscopy via degenerate four-wave mixing	Lam J.F.	OE 21(82)219-223	58
Transient response of Kerr-like phase conjugator: a review	Suydam B.R., Fisher R.A.	OE 21(82)184-189	59
Phase conjugation by resonantly enhanced degenerate four-wave mixing	Lind R.C., Steel D.G., Dunning G.J.	OE 21(82)190-198	60
Degenerate four-wave mixing in semiconductors: application to phase conjugation and to picosecond-resolved studies of transient carrier dynamics	Jain R.K.	OE 21(82)199-218	61
Ferroelectrics in phase conjugate optics and dynamic holography	Günter P.	FE 49(83)39-46	62
High-sensitivity read-write volume holographic storage in $\text{Bi}_{12}\text{SiO}_{20}$ and $\text{Bi}_{12}\text{GeO}_{20}$ crystals (BSO * BGO)	Huignard J.P., Micheron F.	APL 29(76)591-593	63
Real-time double-exposure interferometry with $\text{Bi}_{12}\text{SiO}_{20}$ crystal in transverse electrooptic configuration	Huignard J.P., Herriau J.P.	AO 16(77)1807-1809	64
Selective erasure and processing in volume holograms superimposed in photosensitive ferroelectrics	Huignard J.P., Herriau J.P., Micheron F.	FE 11(76)393-396	65
Two-wave mixing and energy transfer in $\text{Bi}_{12}\text{SiO}_{20}$ crystals: application to image amplification and vibration analysis	Huignard J.P., Marrakchi A.	OL 6(81)622-624	66
Non destructive testing using real time holographic interferometry in B.S.O. crystals (BSO)	Herriau J.P., Delboulbe A., Huignard J.P.	SPIE 398(83)123-129	67
Speckle-free imaging in four-wave mixing experiments with $\text{Bi}_{12}\text{SiO}_{20}$ crystals (BSO)	Huignard J.P., Herriau J.P., Pichon L., Marrakchi A.	OL 5(80)436-437	68
Time average holographic interferometry with photoconductive electrooptic $\text{Bi}_{12}\text{SiO}_{20}$ crystals (BSO)	Huignard J.P., Herriau J.P., Valentin T.	AO 16(77)2796-2798	69
Projection photolithography by wave-front conjugation	Levenson M.D., Johnson K.M., Hanchett V.C., Chiang K.	JOSA 71(81)737-743	70
Phase conjugation on the surface of semiconductors: theory and experiment	Mamaev A.V., Melnikov N.A., Pilipetsky N.F., Sudarkin A.N., Shkunov V.V.	JOSA A 1(84)856-859	71
Degenerate four-wave mixing in the presence of nonuniform pump wave fronts	Crosignani B., Yariv A.	JOSA A 1(84)1034-1039	72
Optical hysteresis and bistability in phase conjugation by degenerate six-photon mixing	Borshch A., Brodin M., Volkov V., Kukhtarev N., Starkov V.	JOSA A 1(84)40-44	73

Phase conjugation by degenerate forward four-wave mixing	Khyzniak A., Kondilenko V., Kucherov Y., Lesnik S., Odoulov S., Soskin M.	JOSA A 1(84)169-175	74
Optical Phase Conjugation in Photorefractive Materials	Feinberg J.	Optical PC (Auszug aus Monographie von Fi	75
Fundamental modes of stimulated scattering phase-conjugate resonators	Shaomin W., Weber H.	OA 31(84)971-976	76
Transient energy transfer in photorefractive materials; an analytic solution	Solymar L., Heaton J.M.	OC 51(84)76-78	77
Diffraction efficiency and angular selectivity of volume phase holograms recorded in photorefractive materials	Heaton J.M., Mills P.A., Paige E.G.S., Solymar L., Wilson T.	OA 31(84)885-901	78
Effect of static electric fields on phase conjugation in silicon	Shemwell D.M., Cantrell C.D.	JAP 56(84)1309-1313	79
Real-time holography with undeveloped dichromated gelatin films	Calixto S., Lessard R.A.	AO 23(84)1989-1994	80
Nonlinear theory of self-oscillations in a phase-conjugate resonator	Wright E.M., Meystre P., Firth W.J.	OC 51(84)428-432	81
Nonlinear theory of near degenerate four-wave mixing in a Kerr medium in the Raman-Nath approximation	Wright E.M., Meystre P.	OL reprint(85)1-9	82
Two-wave mixing with an applied field and a moving grating	Valley G.C.	JOSA B 1(84)868-873	83
Observation of optical chaos in a phase-conjugate resonator	Valley G.C., Dunning G.J.	OL 9(84)513-515	84
Short-Pulses Grating Formation in Photorefractive Materials	Valley G.C.	IEEE JQE 19(83)1637-1645	85
Optical feedback, wavelength response, and interference effects of self-pumped phase conjugation in BaTiO ₃	Jahoda F.C., Weber P.G., Feinberg J.	OL 9(84)362-364	86
Optical bistability and hysteresis with a photorefractive self-pumped phase conjugate mirror	Kwong S.K., Cronin-Golomb M., Yariv A.	APL 45(84)1016-1018	87
Application of optical phase conjugation to plasma diagnostics	Jahoda F.C., Anderson B.T., Forman P.R., Weber P.G.	5.Top. Conf., High Temp. Plasma Diag., 16	88
Power and stability of phase-conjugate lasers	Karr T.J.	JOSA 73(83)600-609	89
Theory of degenerate four-wave mixing in saturable absorbing media with the inclusion of pump propagation effects	Gaeta A.L., Gruneisen M.T., Boyd R.W.	IEEE JQE 22(1986) 1095-1101	90
Image transmission and interferometry with multimode fibers using self-pumped phase conjugation	Fischer B., Sternklar S.	APL 46(85)113-114	92

Real-time phase conjugate window for one-way optical field imaging through a distortion	Fischer B., Cronin-Golomb M., Whitte J.O., Yariv A.	APL 41(82)141-143	93
Stabilization of the BSO phase conjugator using a feedback technique	Sato T., Hatsuzawa T., Ikeda O.	AO 22(83)1996-1998	94
Laser with dynamic holographic intracavity distortion correction capability	Gronin-Golomb M., Fischer B., Nilsen J., White J.O., Yariv A.	APL 41(82)219-220	95
Image transmission through a turbulent medium using a point reflector and four-wave mixing in BSO crystal	Ikeda O., Suzuki T., Sato T.	AO 22(83)2192-2195	96
Nonlinear Optical Phase Conjugation for Laser Systems	Wang V.	OE 17(78)267-272	97
The significance of trapping centre concentration in photorefractive crystals used for degenerate four-wave mixing	Ja Y.H.	OQE 16(84)355-358	98
The photorefractive effect	Glass A.M.	OE 17(78)470-479	99
Optimal properties of photorefractive materials for optical data processing	Valley G.C., Klein M.B.	OE 22(83)704-711	100
Amplified reflection in degenerate four-wave mixing: a more-accurate theory	Grynberg G., Kleinmann B., Pinard M., Verkerk P.	OL 8(1983) 614-66	102
Femtosecond-resolution pulse-front distortion measurement by time-of-flight interferometry	Bor Z., Gogolak Z., Szabo G.	OL 14(1989) 862-864	107
Phase conjugation with gaussian beams	Grynberg G. Kleinmann B., Pinard M.	OC 47(1983) 291-296	108
Pulse shortening in degenerate four wave mixing in atomic sodium vapor	Grynberg G., Kleinmann B., Pinard M., Trehin F.	OC 47(83)355-357	109
Phase-conjugate mirror and time reversal	Chew W.C., Habashy T.M.	JOSA A 2(85)808-809	110
Photorefractive effects and light-induced charge migration in barium titanate (BaTiO ₃)	Feinberg J., Heiman D., Tanguay Jr. A.R.,	JAP 51(80)1297-1305	111
Volume hologram recording and charge transfer process in Bi ₁₂ SiO ₂₀ and Bi ₁₂ GeO ₂₀ (BSO * BGO)	Peltier M., Micheron F.	JAP 48(77)3683-3690	112
Real-time metrology with BSO crystals	Tiziani H.J.	OA 29(82)463-470	113
Winkelabhängigkeit der Effektivität der OPC von Wellenfronten bei der Vierwellenmischung in resonanten Medien	Apanasewitsch P.A., Afanasev A.A., Samson B.A.	I A N SSSR; Ser. Fis. 45(81)1417-1421	115
OPC durch Vierwellenmischung in Medien mit nichtlokaler Nichtlinearität	Kuchtarew N.W., Odoulov S.	Pis SCH T F 30(79)6-11	116
Degenerate four-wave mixing in LiNbO ₃ and LiTaO ₃	Kukhtarev N., Odoulov S.	OC 32(80)183-186	117

Photorefractive crystals of the $\text{Bi}_{12}\text{SiO}_{20}$ type for interferometry, wavefront conjugation and processing of ...	Stepanov S.I., Petrov M.P.	OA 31(84)1335-1343	118
Continuous reconstruction of holographic interferograms through anisotrop diffraction in photorefractive crystals	Kamshilin A.A., Petrov M.P.	OC 53(85)23-25	119
Degenerate four-wave mixing via shifted phase holograms in cubic photorefractive crystals	Stepanov S.I., Petrov M.P.	OC 53(85)64-68	120
Grating modification in degenerate four wave mixing	Mc Call M.W., Petts C.R.	OC 53(85)7-12	121
Degenerate two-wave mixing in photorefractive crystals with multiple internal reflections	Ja Y.H.	OC 53(85)153-158	122
Numerical study of energy transfer between a beam and its internal reflection component in a nonlinear medium	Ja Y.H.	AP B 33(84)51-56	123
Real-time optical image differentiation by degenerate four-wave mixing	Ja Y.H.	AP B 6(85)21-24	124
Real-time non-destructive testing of phase objects using four-wave mixing with photorefractive BGO crystals	Ja Y.H.	OLT (85)36-40	125
Real-time intensity inversion using two-wave and four-wave mixing in photorefractive $\text{Bi}_{12}\text{GeO}_{20}$ (BGO)	Ochoa E., Hesselink L., Goodman J.W.	AO 24(85)1826-1832	126
Exact solution to the degenerate four-wave mixing in reflection geometry in photorefractive media	Belic M.R.	PR A 31(85)3169-3173	127
Exact solution to the stationary holographic four-wave mixing in photorefractive crystals	Belic M.R., Lax M.	Phys. Depart., City Univ. of New York, NY	128
Amplified phase-conjugate beam reflection by four-wave mixing with photorefractive $\text{Bi}_{12}\text{SiO}_{20}$ crystals (BSO)	Rajbenbach H., Huignard J.P., Refregier Ph.	OL 9(84)558-560	129
Wave mixing in photorefractive bismuth silicon oxide crystals and its applications (BSO)	Huignard J.P., Rajbenbach H., Refregier Ph., Solymar L.	OE 24(85)586-592	130
Self-induced coherent oscillations with photorefractive $\text{Bi}_{12}\text{SiO}_{20}$ amplifier (BSO)	Rajbenbach H., Huignard J.P.	OL 10(85)137-139	131
Picosecond signal processing with planar, nonlinear integrated optics	Normandin R., Stegeman G.I.	APL 36(80)253-255	132
High-frequency optically heterodyned saturation spectroscopy via resonant degenerate four-wave mixing	Raj R.K., Bloch D., Snyder J.J., Camey G., Ducloy M.	PRL 44(80)1251-1254	133

Nondegenerate four-wave mixing in a doppler-broadened resonant medium	Nilsen J., Yariv A.	JOSA 71(81)180-183	134
Measurement of the diffusion coefficient and recombination effects in germanium by diffraction from optically-induced picosecond transient gratings	Moss S.C., Lindle J.R., Mackey H.J., Smirl A.L.	APL 39(81)227-229	135
Degenerate four-wave mixing in the nematic phase of a liquid crystal	Khoo I.C.	APL 38(81)123-124	136
Polarization-rotation and thermal-motion studies via resonant degenerate four-wave mixing	Steel D.G., Lind R.C., Lam J.F., Giuliano C.R.	APL 35(79)376-379	137
Degenerate four-wave mixing in a resonant homogeneously broadened system	Steel D.G., Lind R.C., Lam J.F.	PR A 23(84)2513-2524	138
Nearly degenerate four-wave mixing enhanced by the ac stark effect	Harter D.J., Boyd R.W.	IEEE JQE 16(80)1126-1131	139
Laser-induced grating phenomena	Eichler H.J.	OA 24(77)631-642	140
Origin of phase conjugate waves in self-pumped photorefractive mirrors	Lam J.F.	APL 46(85)909-911	141
Spectral response of nearly degenerate four-wave mixing in photorefractive materials	Lam J.F.	APL 42(83)155-157	142
Optical phase conjugation with frequency up-conversion via high-order, nondegenerate multiwave mixing	Ducloy M.	APL 46(85)1020-1022	143
New optical gyroscope based on the ring passive phase conjugator	Fischer B., Sternklar S.	APL 47(85)1-3	144
Holographic storage in electrooptic crystals. I. steady state	Kukhtarev N.V., Markov V.B., Odulov S.G., Soskin M.S., Vinetskii V.L.	FE 22(79)949-960	145
Two-beam coupling in photorefractive $\text{Bi}_{12}\text{SiO}_{20}$ crystals with moving grating: Theory and experiments (BSO)	Refregier P., Solymar L., Rajbenbach H., Huignard J.P.	JAP 58(85)45-57	146
Backward echo in two-level systems	Fujita M., Nakanishi H., Matsuoka M.	PRL 42(79)974-977	147
Two-photon coherent transient measurements of doppler-free linewidths with broadband excitation	Liao P.F., Ecnomou N.P., Freeman R.R.	PRL 39(77)1473-1475	148
Two-photon coherent-transient measurement of the nonradiative collisionless dephasing rate in SF_6 via doppler-free degenerate four-wave mixing	Steel D.G., Lam J.F.	PRL 43(79)1588-1591	149

Atomic coherence effects in resonant degenerate four-wave mixing	Lam J.F., Steel D.G., Mc Farlane R.A., Lind R.C.	APL 38(81)977-979	150
Light diffraction and nonlinear image processing in electrooptic Bi ₁₂ SiO ₂₀ crystals (BSO)	Petrov M.P., Miridonov S.V., Stepanov S.I., Kulikov V.V.	OC 31(79)301-305	151
Experimental studies of phase conjugation with depleted pumps in photorefractive media	Kwong S.K., Chung Y.H., Cronin-Golomb M., Yariv A.	OL 10(85)359-361	152
Phase-conjugate wavefront generation via four wave mixing in Bi ₁₂ GeO ₂₀ crystals, reflection hologram type	Ja Y.H.	OC 41(82)159-163	153
Effects of birefringence in phase conjugation by four-wave mixing in a ruby crystal	Bernardo L.M., Almeida P.	OC 48(84)389-392	154
Photorefractive incoherent-to-coherent optical converter	Shi Y., Psaltis D., Marrakchi A., Tanguay A.R.	AO 22(1983) 3665-3667	156
Dynamic interferometric observation of differential movement	Sato T., Hatsuzawa T., Ikeda O.	AO 22(83)3895-3897	157
Application of phase conjugation in Bi ₁₂ SiO ₂₀ crystals to mode pattern visualisation of diffuse vibrating structures	Marrakchi A., Huignard J.P., Herriau J.P.	OC 34(80)15-18	158
Image-degradation mechanisms in photorefractive amplifiers	Vachss F., Yeh P.	JOSA B 6(1989) 1834-1841	159
Holography and four wave mixing under picosecond and nanosecond excitations in BSO crystals	Ferrier J.L., Gazengel J. Rivoire G., Herriau J.P., Huignard J.P.	OPTO 85, 21./23.5.1985, Paris, 135-138	160
Picosecond holography in BSO crystals	Ferrier J.L., Gazengel J., Rivoire G., Herriau J.P., Huignard J.P.	SPIE 492(84)307-310	161
Self-pulsation and optical chaos in self-pumped photorefractive BaTiO ₃	Günter P., Voit E., Zha M.Z., Albers J.	OC 55(85)210-214	162
Degenerate four-wave mixing of light with arbitrary polarizations in isotropic medium	Shi-jie G.	Ch. Phys. 5(85)30-38	163
Conversion of optical path length to frequency by an interferometer using photorefractive oscillation	Kwong S.K., Yariv A., Cronin-Golomb M., Ury I.	APL 47(85)460-462	164
Efficient unstationary holographic recording in photorefractive crystals under external alternating electric field	Stepanov S.I., Petrov M.P.	OC 53(85)292-295	165
Resonant degenerate four-wave mixing in a ruby crystals	Bernardo L.M.	Port. Phys. 16(85)73-98	166
Enhanced four-wave mixing by use of frequency-shifted optical waves in photorefractive BaTiO ₃	Mac Donald K.R., Feinberg J.	PRL 55(85)821-824	167

Distributed feedback in a waveguide by four wave mixing	Weinert-Raczka E.	OC 53(85)349-352	168
Intracavity nearly degenerate four-wave mixing in a (GaAl)As semiconductor laser	Nakajima H., Frey R.	APL 47(85)769-771	169
Wechselwirkung einer konjugiert modulierten Wellen mit einer ebenen Welle in einem Medium mit nichtlinearer Reaktion	Kuznetsov D.Yu.	OiS reprint(85)1-13	170
Bias-free time-integrating optical correlator using a photorefractive crystal	Psaltis D., Yu J., Hong J.	AO 24(85)3860-3865	171
Simple method for measuring electro-optic coefficients by detecting the interference signal between transmitted and reflected beams	Takizawa K., Okada M.	JOSA 72(82)809-811	172
Determination of relative signs of electro-optic and piezoelectric coefficients by measuring optical phase shifts caused by an applied electric field	Takizawa K., Okada M.	JOSA B 2(85)289-293	173
Bedingungen für das Erscheinen eines negativen Bildes in einem optischen Signalverstärker	Kuznetsova T.I., Kuznetsov D.Yu.	KE 11(84)2185-2190	174
OPC mit Methoden der dynamischen Holographie	Ivakin E.W., Odulov S.G., Rubanov A.S., Soskin M.S.	I A N SSSR; Ser. Fis. 45(81)1404-1416	175
Verstärkung kohärenter Lichtsignale mit dynamischen Hologrammen in Ferroelektrischen Kristallen	Winetski W.L., Kuchtarev N.W., Markov W.B., Odulov S.G., Soskin M.S.	I A N SSSR; Ser. Fis. 41(77)811-820	176
Selbstfokussion, Registrierung und Rekonstruktion von Lichtwellenfronten - neue Effekte durch induzierte Stauung	Sokolowskaja A.I.	I A N SSSR; Ser. Fis. 45(81)969-975	177
Eine verstärkte Reflektion von Wellen durch Phasenkonjugation in Kristallen mit linearem elektrooptischen Effekt	Kondilenko W.P., Odulov S.G., Soskin M.S.	I A N SSSR; Ser. Fis. 45(81)958-962	178
Mechanismus des photorefractiven Effektes	Levanjuk A.P., Osipov W.W.	I A N SSSR; Ser. Fis. 41(77)752-770	179
Hochempfindliche Systeme zur OPC optischer Strahlung	Bespalov W.I., Pasmanik G.A.	I A N SSSR; Ser. Fis. 45(81)963-968	180
Transient energy transfer during hologram formation in photorefractive crystals	Heaton J.M., Solymar L.	OA 32(85)397-408	181
Anisotropic scattering in photorefractive crystals	Temple D.A., Warde C.	JOSA B 3(1986) 337-341	182
Large signal effects in an optical BSO amplifier	Refregier R., Solymar L., Rajbenbach H., Huignard J.P.	EL 20(84)656-657	183
Selective properties of volume phase holograms in photorefractive crystals	Pencheva T.G., Petrov M.P., Stepanov S.I.	OC 40(82)175-178	184

Polarization properties of photorefractive diffraction in electrooptic and optically active sillenite crystal	Marrakchi A., Johnson R.V., Tanguay Jr. A.R.	JOSA B 3(86)321-336	185
Dynamic optical cross-correlator using a liquid crystal light valve and a bismuth silicon oxide crystal in the Fourier plane	Loiseaux B., Illiaquer G., Huignard J.P.	OE 24(85)144-149	186
Real-time double-exposure holographic interferometry in four-wave mixing with photorefractive $\text{Bi}_{12}\text{SiO}_{20}$ crystal	Ja Y.H.	AO 21(82)3230-3231	187
Optical beam equalisation using degenerate two-wave mixing	Ja Y.H.	EL 20(84)1032-1034	188
Theorie der Leitfähigkeit beim Einschreiben holographischer Gitter in nichtmetallische Kristalle	Winezkij W.L., Kuchtarew N.W.	SPSS 16(74)3714-3716	189
Anisotropie der Elektroleitfähigkeit von Halbleitern, bedingt durch die periodische Störstellenverteilung	Winezkij W.L., Kuchtarew N.W., Semenok A.K.	Phys. Tech. HL 6(72)1007-1014	190
Beam coupling and decoupling in degenerate two-wave mixing in a reflection geometry with photorefractive $\text{Bi}_{12}\text{GeO}_{20}$ crystals	Ja Y.H.	OQE 16(84)399-404	191
Vector effects in holographic optical elements	Syms R.R.A.	OA 32(85)1413-1425	192
Photorefractive effect in dielectric crystals and application to real-time holography and phase conjugation	Guenter P.	CLD AM 12(85)459-471	193
Polarization properties in two wave mixing with moving grating in photorefractive BSO crystals. application to dynamic interferometry	Herriau J.P., Huignard J.P., Apostolidis A.G., Mallick S.	OC 56(85)141-144	194
Frequency shifters for photorefractive crystals	Huignard J.P., Herriau J.P.	AO 24(85)4285-4286	195
Polarization properties of phase gratings recording in a $\text{Bi}_{12}\text{SiO}_{20}$ crystal (BSO)	Apostolidis A.G., Mallick S., Rouede D., Herriau J.P., Huignard J.P.	OC 56(85)73-78	196
Phase-locking laser with phase conjugation	Feinberg J., Bacher G.D.	APL 48(86)570-572	197
Altering the photorefractive properties of BaTiO_3 by reduction and oxidation at 650°C	Ducharme S., Feinberg J.	JOSA B 3(86)283-292	198
Dynamic beam deflection using photorefractive gratings in $\text{Bi}_{12}\text{SiO}_{20}$ crystals (BSO)	Pauliat G., Herriau J.P., Delboulbe A., Roosen G., Huignard J.P.	JOSA B 3(86)306-314	199
Transient index grating formation in photorefractive crystals: an analytical treatment	Goltz J., Laeri F., Tschudi T.	Optik 71(85)163-166	200

Phase conjugation in fluorescein film by degenerate four-wave mixing and holographic process	Fujiwara H., Nakagawa K.	OC 55(85)386-390	201
Light diffraction from the volume holograms in electrooptic birefringent crystals	Petrov M.P., Stepanov S.I., Kamshilin A.A.	OC 29(79)44-48	202
Analysis and applications of optical diffraction by gratings	Gaylord T., Moharam G.	IEEE 73(1985) 895-937	203
Influence of the optical activity on hologram formation in photorefractive crystals	Kukhtarev N.V., Dovgalenko G.E., Starkov V.N.	AP A 33(1984) 227-230	204
Some polarization properties of volume holograms in $\text{Bi}_{12}\text{SiO}_{20}$ crystals and applications (BSO)	Heriau J.P., Huignard J.P., Aubourg P.	AO 17(78)1851-1852	205
OPC von Lichtstrahlen in anisotropen Medien	Kuchtarew N.W.	KE 8(81)1451-1460	206
Beugung ebener TM-Wellen an dreidimensionalen Phasengittern	Skotschilow A.F.	OiS 60(86)132-136	207
Beugung von Licht aus Phasenholographie in photorefraktiven ferroelektrischen Kristallen	Serdyuk V.M., Khapalyuk A.P.	KE 13(86)147-158	208
Selective erasing on a hologram in a BSO photorefractive crystal	Bernardo L.M., Soares O.D.D.	AO 25(86)592-593	209
Reflection of a linearly polarized plane wave from a lossless stratified mirror in the presence of a phase-conjugate mirror	Friberg A.T., Drummond P.D.	JOSA 73(83)1216-1219	210
Phase-conjugate of a fourier hologram using four-wave mixing in BSO crystal	Wang T.J.	Proc. SPIE Int. Soc. Opt. Eng. 519(85)132	211
Phase conjugation with two objects beams in photorefractive $\text{Bi}_{12}\text{GeO}_{20}$ crystals	Ja Y.H.	OC 57 (1986) 137-142	212
Fields generated by a fabry-perot interferometer with a phase-conjugate mirror	Nieto-Vesperinas M.	JOSA A 2(85)427-436	213
Theory of resonant degenerate four-wave mixing with broad-bandwidth laser	Alber G., Cooper J., Ewart P.	PR A 31(85)2344-2352	214
Self-scanning of a continuous-wave dye laser having a phase-conjugating resonator cavity	Feinberg J., Bacher G.D.	OL 9(84)420-422	215
Regenerative amplifiers with one phase-conjugate mirror	Nieto-Vesperinas M.	OL 9(84)555-557	216
Phase conjugation of a plane electromagnetic wave at an interface	Nieto-Vesperinas M.	OA 32(85)881-890	217
Phase conjugation and symmetries with wave fields in free space containing evanescent components	Nieto-Vesperinas M., Wolf E.	JOSA A 2(85)1429-1434	218

Phase conjugacy and symmetries in spatially bandlimited wavefields containing no evanescent components	Wolf E.	JOSA 70(80)1311-1319	219
Radiative relaxation-induced extra resonances in multiwave mixing	Grynberg G., Pinard M.	EUL 1(86)129-134	220
Inelastic and adiabatic contributions to polarizability	Grynberg G., Pinard M.	PR A 32(85)3772-3774	221
Observation of self-oscillation in ring cavities with sodium vapor phase conjugate mirrors	Le Bihan E., Verkerk P., Pinard M., Grynberg G.	OC 56(85)202-206	222
Doppler-free spectroscopy of neon atoms dressed by optical photons in nearly-degenerate four-wave mixing	Verkerk P., Pinard M., Grynberg G.	OC 55(85)215-218	223
Observation and analysis of the fast photorefractive process in BSO	Lesaux G., Roosen G., Brun A.	OC 56(86)374-378	224
Transient photocurrent induced by nanosecond light pulses in BSO and BGO	Lesaux G., Launay J.C., Brun A.	OC 57(86)166-170	225
Photorefractive materials and their applications in optical image processing	Foote P.D., Hall T.J., Aldridge N.B., Levenston A.G.	IEE P 133(86)83-90	226
High speed two input real-time optical correlation using photorefractive BSO	Foote P.D., Hall T.J., Connors L.M.	Optis and Laser Techn., february 1986, 39	227
Stationäre Charakteristiken eines Lasers der Transmissionsgitter in Kristallen mit einer Diffusionsnichtlinearität	Odulov S.G., Suchuverchova L.G.	KE 11(84)575-581	228
Selbsterzeugung von Laserbetrieb in LiNbO ₃ unter Aufnahme von dynamischen Phasengittern durch zirkulare photogalvanische Ströme	Odulov S.G.	KE 11(84)529-536	229
Ein Laser der dynamische Gitter von freien Ladungsgittern in einem Halbleiter ausnutzt	Odulov S.G., Slyusarenko S.S., Soskin M.S.	KE 11(84)869-871	230
Coherent oscillation due to degenerate four-wave mixing in LiNbO ₃	Odoulov S., Soskin M.	FE 63(85)315-316	231
Influence of optical activity on two beam coupling constants in photorefractive Bi ₁₂ SiO ₂₀	Foote P.D., Hall T.J.	OC 57(1986) 201-206	232
Applications of real-time holography	Feinberg J.	SPIE 532(85)119-135	233
Propagation of light in an optically active electro-optic crystal of Bi ₁₂ SiO ₂₀ : Measurement of the electro-optic coefficient	Henry M., Mallick S., Rouede D., Celaya L.E., Weidner A.C.	JAP 59(86)2650-2654	234
Über anisotrope holographische Beugungsgitter	Ebralidsa T.D.	OiS 60(86)1269-1272	236

Phase of phase conjugation and its effect in the double phase-conjugate resonator	Kwong S.K., Yariv A., Cronin-Golomb M., Fischer B.	JOSA A 3(86)157-160	238
On the multiple-root problem when solving directly the nonlinear coupled-wave equations for two-wave mixing in a reflection geometry	Ja Y.H.	AP B 35(1984) 141-144	239
Oscillation with photorefractive gain	Kwong S.K., Cronin-Golomb M., Yariv A.	IEEE JQE 22(86)1508-1523	240
Image amplification by two- and four-wave mixing in BaTiO ₃ photorefractive crystals	Tschudi T., Herden A., Goltz J., Klumb H., Laeri F., Albers J.	IEEE JQE 22(86)1493-1502	241
Kinetics for optical erasure of sinusoidal holographic gratings in photorefractive materials	Carrascosa M., Agulló-Lopez F.	IEEE JQE 22(86)1369-1375	242
Some possibilities for improving the holographic recording characteristic in Bi ₁₂ SiO ₂₀ monocrystals (BSO)	Miteva M.G.	IEEE JQE 22(86)1365-1368	243
Light-induced scattering in photorefractive crystals	Marotz J., Ringhofer K.H., Rupp A., Treichel S.	IEEE JQE 22(86)1376-1383	244
Basic considerations of four-wave mixing and dynamic gratings	Shen Y.R.	IEEE JQE 22(86)1196-1203	245
Introduction to the special issue on dynamic gratings and four-wave mixing	Eichler H.J.	IEEE JQE 22(86)1194-1195	246
Inverse scattering and the three-wave interaction in nonlinear optics: a review	Enns R.H., Rangnekar S.S.	IEEE JQE 22(86)1204-1214	247
Diagrammatic density matrix theory of transient four-wave mixing and the measurement of transient phenomena	Fujimoto J.G., Yee T.K.S.	IEEE JQE 22(86)1215-1228	248
The diffraction of light by transient gratings in crystalline, ion-implanted, and amorphous silicon	Vaitkus J., Jarasiunas K., Gaubas E., Jonikas L., Pranaitis R., Subacius L	IEEE JQE 22(86)1298-1305	249
Degenerate four-wave mixing with guided waves	Stegeman G.I., Seaton C.T., Karaguleff C.	IEEE JQE 22(86)1344-1348	250
Coherent coupling of diode laser by phase conjugation	Cronin-Golomb M., Yariv A., Ury I.	APL 48(86)1240-1242	251
Real time image subtraction and "exclusive or" operation using a self-pumped phase conjugate mirror	Kwong S.K., Rakuljic G.A., Yariv A.	APL 48(86)201-203	252
Optical generator of spheroidal wave functions, using a BSO crystal	Pellat-Finet P., de Bougrenet de la Tocnaye	OC 55(85)305-310	253
Effect of using a Bi ₁₂ SiO ₂₀ light amplifier on the formation and competition of modes in optical resonators	de Bougrenet de la Tocnaye J.J., Pellat-Finet P., Huignard J.P.	JOSA B 3(86)315-320	254
One-way, real time wave front converters	Kwong S.K., Yariv A.	APL 48(86)564-566	255

Polychromatic phase conjugation: a study of the nonlinear problem	Manneberg G.	JOSA B 3(86)853-856	256
Polychromatic phase conjugation with noncollinearly phase-matched difference-frequency generation	Manneberg G.	JOSA B 3(86)849-851	257
Image formation in polychromatic phase conjugation	Manneberg G.	JOSA A 3(86)2033-2037	258
Multistability in reflection grating real-time holography	Bledowski A., Krolikowski W., Kujawski A.	IEEE JOE 22(86)1547-1550	259
Characteristics of solitary waves in four-wave interactions	Zhao Y.	JOSA B 3(86)1116-1119	260
Optical limiters using photorefractive nonlinearities	Cronin-Golomb M., Yariv A.	JAP 57(85)4906-4910	261
Demonstration of an all-optical associative holographic memory	Yariv A., Kwong S.K., Kyuma K.	APL 48(86)1114-1116	262
Reflection of the CO ₂ laser radiation under degenerate four-wave mixing in liquids	Betin A.A., Zhukov E.A., Mitropolskii O.V.	KE 12(1985) 1890-1894	263
Degenerate four-wave mixing in planar CS ₂ covered waveguides	Karaguleff C., Stegman G.I., Fortenberry R., Zaroni R., Seaton C.T.	APL 46(85)621-623	264
Degenerate four-wave mixing in sodium vapor in the rabi regime	Kleinmann B., Trehin F., Pinard M., Grynberg G.	JOSA B 2(85)704-713	265
Laser-beam cleanup using photorefractive two-wave mixing and optical phase conjugation	Chiou A.E., Yeh P.	OL 11(86)461-463	266
A spatial light modulator using BSO crystals	Höller F., Tiziani H.J.	OC 58(86)20-24	267
Nonlinear vectorial two-beam coupling and forward four-wave mixing in photorefractive materials	Fischer B., White J.O., Cronin-Golomb M., Yariv A.	OL 11(1986) 239-241	268
Optical beam propagation method for birefringent phase grating diffraction	Johnson R.V., Tanguay Jr. A.R.	OE 25(86)235-249	269
Quantum theory of electrooptic effect in BaTiO ₃	Kinase W., Yoshikawa M., Ohnishi N.	FE 67(86)159-168	270
Theory of double refraction and Kerr effect in BaTiO ₃	Kinase W., Ohnishi N., Yoshikawa M., Mori K.	FE 56(84)165-178	271
Simultaneous electron/hole transport in photorefractive materials	Valley G.C.	JAP 59(86)3363-3366	272
Photorefractive effect in BaTiO ₃ : microscopic origins	Klein M.B., Schwartz R.N.	JOSA B 3(86)293-305	273
Asymmetric transmission through a photorefractive crystal of barium titanate (BaTiO ₃)	Mac Donald K.R., Feinberg J., Ming Z.Z., Günter P.	OC 50(84)146-150	274
Picosecond holography and four-wave mixing in BSO	Ferrier J.L., Gazengel J., Nguyen Phu X., Rivoire G.	OC 58(86)343-348	275
Higher-order analysis of the photorefractive effect for large modulation depths	Ochoa E., Vachss F., Hesselink L.	JOSA A 3(86)181-187	276

Laser mirror by degenerate four-wave mixing in a saturable amplifier	Ouhayoun M., Guern Y.	IEEE JQE 22(86)2150-2153	277
Selfdiffraction and phase conjugation of laser beams in electrooptic crystals	Kukhtarev N., Pavlik B., Semenets T.	Phys. stat. sol. (a) 94(86)623-633	278
Spatial filtering and frequency colour coding with photorefractive crystals	Bernardo L.M., Salgado H.M., Soares O.D.D.	OA 33(86)889-894	279
Transient analysis of optical phase conjugation in absorbing media	Lavoine J.P., Villaeys A.A.	OC 59(86)160-166	280
Real-time contour holography using BSO crystals	Kuchel F.M., Tiziani H.J.	OC 38(81)17-20	281
Photoelectret state and peculiarities of holographic recording in $\text{Bi}_{12}\text{SiO}_{20}$ monocrystals (BSO)	Miteva M.G.	OC 50(84)79-84	282
High-accuracy surface profile measuring system using a BSO phase conjugating mirror	Ikeda O., Suzuki T., Sato T.	AO 21(82)4468-4472	283
Starke optische Nichtlinearitäten in photorefraktiven Kristallen	Odulov S.G.	I A N SSSR; Ser. Fis. 50(86)670-676	284
Real time edge enhancement by active spatial filtering via five wave mixing in photorefractive BSO	Vainos N.A., Eason R.W.	OC 59(86)167-172	285
Vector-field quantum model of degenerate four-wave mixing	Ho S.T., Kumar P., Shapiro J.H.	PR A 34(86)293-303	286
Polarization characteristics of phase conjugation at four-wave mixing in uniaxial crystals	Juguryan L.A.	OA 33(86)811-815	287
Polarization recovery in phase conjugation by modal dispersal	Kyuma K., Yariv A., Kwong S.K.	APL 49(86)617-619	288
Calculation of diffraction efficiency of volume hologram gratings without using the coupled wave theory	Goltz J., Tschudi T.	Optik 74(86)38-40	289
Determinations of the photorefractive parameters of $\text{Bi}_{12}\text{GeO}_{20}$ crystals using transient grating analysis	Pauliat G., Cohen-Jonathan J.M., Allain M., Launay J.C., Roosen G.	OC 59(86)266-271	290
Bistable oscillations with a self-pumped phase-mirror	Kwong S.K., Yariv A.	OL 11(86)377-379	291
Optical phase conjugation in a soluble polymer	Dennis W.M., Blau W., Bradley D.J.	OE 25(86)538-540	293
Transverse Mode Instability and Chaos in an Optical Cavity with Phase-Conjugate Mirror	Bochove E.J.	OL 11(86)reprint	294
Theory of a variable aperture phase conjugate mirror with application to an optical cavity	Bochove E.	JAP 59(86)3360-3362	295
Hologram fixing process at room temperature in photorefractive $\text{Bi}_{12}\text{SiO}_{20}$ crystals (BSO)	Herriau J.P., Huignard J.P.	APL 49(86)1140-1142	296

Highly efficient diffraction in photorefractive BSO-BGO crystals at large applied fields	Herriau J.P., Rojas D., Huignard J.P., Bassat J.M., Launay J.C.	FE 75(87)271-279	297
Degenerate four-wave mixing in a mercury-argon discharge	Richardson W., Maleki L., Garmire E.	OL 11(86)572-574	298
Parallel image subtraction using a phase-conjugate Michaelson interferometer	Chiou A.E., Yeh P.	OL 11(86)306-308	299
Photoinduced voltages and frequency shifts in a self-pumped phase-conjugating BaTiO ₃ crystal	Gower M.C.	OL 11(1986) 458-460	300
Direct squeezing in anisotropic forward four-wave mixing	Janszky J., Yushin Y.Y.	OC 60(86)92-94	301
Hybrid phase conjugator/modulators using self-pumped 0°-cut and 45°-cut BaTiO ₃ crystals	Pepper D.M.	APL 49(86)1001-1003	302
Die polarisationsrichtige Phasenkonjugation von Lichtbündeln in Photorefraktiven Kristallen	Serdyuk V.M.	KE 13(86)852-855	303
SU(2) and SU(1,1) interferometers	Yurke B., Mc Call S.L., Klauder J.R.	PR A 33(86)4033-4054	306
Investigation of the dynamic recording process of thick refractive index gratings in photorefractive crystals by the microphotometric method	Rupp R.A.	AP B 42(87)21-29	308
Topological nature of four-wave-mixing polarization bistability	Yumoto J., Otsuka K.	Phys.Rev. A 34(86)4445-4448	309
Forward phase-conjugate wave in four-wave mixing in photorefractive media	Bledowski A., Krolikowski W., Kujawski A.	OC 61(87)71-74	310
Bistability and noncommutative behavior of multiple-beam self-pulsing and self-pumping in BaTiO ₃	Eason R.W., Smout A.M.C.	OL 11(1987) 51-53	311
Nonlinear-optical interactions in fluorescein-doped acid glass	Kramer M.A., Tompkin W.R., Boyd R.W.	PR A 34(86)2026-2031	312
Nonlinear optical interferometer	Hopf F.A., Cervantes M.	AO 21(82)668-677	313
Symmetry-breaking and intrinsic polarization instability in degenerate four-wave mixing	Wabnitz S., Gregori G.	OC 59(86)72-76	314
Polarization characteristics of volume holograms in Bi ₁₂ SiO ₂₀ (BSO)	Miteva M., Nikolova L.	OC 42(82)307-309	315
Laser interferometer with a multicentimeter sensitivity	Suni P., Falk J.	OL 11(86)761-763	316
Multi-grating phase conjugation in photorefractive media	Krolikowski W.	OC 60(86)319-322	317

Finite element method to solve the nonlinear coupled-wave equations for degenerate two-wave and four-wave mixing	Ja Y.H.	AO 25(86)4306-4310	318
Intensity dependence of stationary energy transfer in degenerate two-wave mixing in a reflection geometry with photorefractive crystals	Ja Y.H.	OQE 17(1985) 291-295	319
Using the seventh-order numerical method to solve first-order nonlinear coupled-wave equations for degenerate two-wave and four-wave mixing	Ja Y.H.	AP B 35(84)217-225	320
Picosecond photorefractive beam coupling in GaAs	Valley G.C., Smirl A.L., Klein M.B., Bohnert K., Boggess T.F.	OL 11(86)647-649	321
Analysis of mutually incoherent beam coupling in BaTiO ₃	Smout A.M.C., Eason R.W.	OL (in press)	322
Analysis of anisotrop dielectric gratings	Rokushima K., Yamakita J.	JOSA 73(83)901-908	323
Polarisationscharakteristik der Selbstbeugung in photorefraktiven Kristallen	Kukhtarev N.W., Murav'ev V.V., Semenetz T.I.	IF AN USSR (Kiew) 86/19	324
Phase-conjugate fiber-optic gyre	Yeh P., Mc Michael I., Khoshnevisan M.	AO 25(86)1029-1030	325
Theory of multimode operation of a unidirectional ring oscillator having photorefractive gain: weak-field	Anderson D.Z., Saxena R.	JOSA B 4(87)164-176	326
Energieaustausch zweier Lichtwellen in optisch aktiven photorefraktiven Kristallen	Dowgalenko G.E., Kukhtarev N.V., Maevskij S.M., Murav'ev V.V.	Phys. stat. sol. (b) 113(82)157-164	327
Pump-depletion effects in noncollinear degenerate four-wave mixing in Kerr media	Lytel R.	JOSA B 3(86)1580-1584	328
Diffraction efficiency of the gratings photoinduced in KCl:LiF center crystals	May M., Hong J.P., Debrus S., Rzepka E.	JAP 61(87)852-858	329
Analysis of diffraction in periodic liquid crystals: the optics of the chiral smectic C phase	Rokushima K., Yamakita J.	JOSA A 4(87)27-33	330
Competition between forward- and backward-stimulated photorefractive scattering in BaTiO ₃	Valley G.C.	JOSA B 4(87)14-19	331
Time-resolved photorefractive four-wave mixing in semiconductor materials	Strait J., Glass A.M.	JOSA B 3(86)342-344	332
Holograms in dichromated gelatin: real-time effects	Newell J.C., Solymar L., Ward A.A.	AO 24(85)4460-4466	333
Stimulated thermal scattering of light ***** (nur 2.Theorie)*****	Batra J.P., Enns R.H., Pohl D.	Phys. stat. sol. (b)	334
Methoden und Schemata der Phasenkonjugation für Strahlung im mittleren IR-Bereich	Betin A.A., Scherstobitov V.E.	I A N SSSR; Ser. Fis. 51(87)299-306	335

Phasenkonjugation bei der vektoriellen Selbstbeugung an Polarisationshologrammen	Borsch A.A., Kukhtarev N.V., Semioschko V.I.	I A N SSSR; Ser. Fis. 51(87)307-310	336
Entartete Vierwellenmischung (DFWM) in einem Medium mit lichtinduzierter thermischer Ausfällung bei chemischen Reaktion	Galuschkin M.G., Semskov E.M., Kluschin V.N., Onoschko P.N., Rubanov A.S.,	I A N SSSR; Ser. Fis. 51(87)311-317	337
Entartete Vierwellenmischung (DFWM) in einem Medium Mit thermisch-chemischer Nichtlinearität	Galuschkin M.G., Sviridov K.A., Seregin A.M., Cheburkin N.V.	I A N SSSR; Ser. Fis. 51(87)318-322	338
Über leistungsfähige Lasersysteme mit Phasenkonjugation	Basov N.G., Efimkov V.F., Subarev I.G., Sobolev V.B.	I A N SSSR; Ser. Fis. 51(87)323-329	339
Einige Probleme der Anwendung der Phasenkonjugation in Lasersystemen	Lyubimov V.V., Mak A.A., Jaschin V.E.	I A N SSSR; Ser. Fis. 51(87)330-339	340
Die numerische Modulierung der Phasenkonjugation mit der Vierwellenmischung	Suchorukov A.P., Trofimov V.A.	I A N SSSR; Ser. Fis. 51(87)340-346	341
Effektivität und Quantität der Phasenkonjugation bei der coplanaren Vierwellenmischung	Arutjunov Yu.A., Scherdinenko V.V., Chischnjak A.N.	I A N SSSR; Ser. Fis. 51(87)347-357	342
Über die räumliche Struktur der Stokes-Felder die durch SBS in Lichtleitern reflektiert wurden	Anikeev I.Yu., Glaskov D.A., Gordeev A.A., Subarev I.G., Mironov A.B., Mic	I A N SSSR; Ser. Fis. 51(87)289-298	343
Medien für die Phasenkonjugation der CO ₂ -Laser-Strahlung	Basov I.G., Kovalev V.I., Fajsullov F.S.	I A N SSSR; Ser. Fis. 51(87)280-288	344
Phasenkonjugation bei der parametrischen Mehrwellenmischung in resonanten Medien	Apanasewitsch P.A., Afanasev A.A., Samson B.A.	I A N SSSR; Ser. Fis. 51(87)270-279	345
Forced Rayleigh scattering: thermal and acoustic effects in phase-conjugate wave-front generation	Desai R.C., Levenson M.D., Barker J.A.	PR A 27(83)1968-1976	347
Nature of the interference pattern produced on reflection at a phase-conjugate mirror	Boyd R., Habashy T.M., Jacobs A.A., Mandel L., Nieto-Vesperinas M., Tompki	OL 12(87)42-44	349
Degenerate-four-wave mixing as a Sturm-Liouville problem	Belic M.R.	OL 12(87)105-107	350
Transient phase conjugation by degenerate four-wave mixing in saturable dyes	Fujiwara H., Nakagawa K.	JOSA B 4(87)121-128	351
The temperature dependence of the polarizing effect	Zelenka J.	JJ AP 24(85)710-711	352
Preparation, measurement and information capacity of optical quantum states	Yamamoto Y., Haus H.A.	RMP 58(86)1001-1019	353
An optical technique of pseudo coloring a black and white image	Grousseau R., Henry M., Lü Y., Mallick S.	JO(P) 13(82)189-192	354
Mode selection in a continuous-wave dye laser with an intracavity photorefractive element	Whitten W.B., Ramsey J.M.	OL 12(87)117-119	355

Light diffraction from volume phase holograms in electrooptic photorefractive crystals	Petrov M.P., Pencheva T.G., Stepanov S.I.	JO(P) 12(81)287-292	356
Gleichungen gekoppelter Wellen in einem Medium mit Faraday-Effekt	Schepelewitsch V.V.	OiS 59(85)603-607	357
Die Anwendung der Methode der holographischen Korrektur von Wellenfronten in der Interferometrie bei der Fo....	Zenzinov A.B., Schetnikov A.A.	OiS 56(84)712-714	358
Ein Interferometer mit Phasengitter	Erschov I.V.	OiS 61(86)1351-1353	359
Imaging threshold detector using a phase-conjugate resonator in BaTiO ₃	Klein M.B., Dunning G.J., Valley G.C., Lind R.C., O'Meara T.R.	OL 11(86)575-577	360
Long-term image storage and phase conjugation by a backward-stimulated echo in Pr ³⁺ :LaF ₃	Kim M.K., Kachru R.	JOSA B 4(87)305-308	361
Bistable behavior of pump, probe, and conjugate signals through collinear intracavity nearly degenerate four-wave mixing	Kothari N.C., Frey R.	PR A 34(86)2013-2025	363
Theory of phase conjugation by stimulated Brillouin scattering	Suni P., Falk J.	JOSA B 3(86)1681-1691	364
New exact solutions and bifurcations in the spatial distribution of polarization in third-order nonlinear optical interactions	Gregori G., Wabnitz S.	PRL 56(86)600-603	365
Stability analysis of nonlinear coherent coupling	Daino B., Gregori G., Wabnitz S.	JAP 58(85)4512-4514	366
White-light image processing with LiNbO ₃	Grousseau R., Mallick S.	AO 19(80)1762-1767	367
Image contrast reversal with a photorefractive recording medium	Grousseau R., Mallick S.	AO 20(81)1719-1723	368
Erasure kinetics and spectral dependence of the photorefractive effect in Fe:LiNbO ₃	Baquedano J., Carrascosa M., Arizmendi L., Cabrera J.M.	JOSA B 4(87)309-312	369
Dynamics of fabry-perot resonators with a phase-conjugate mirror	Friberg A.T., Kauranen M., Salomaa R.	JOSA B 3(86)1656-1672	370
Phase conjugation with gain at CO ₂ laser line =10.6μm from thermally induced gratings in nematic liquid crystals	Richard L., Maurin J., Huignard J.P.	OC 57(86)365-370	371
Spatial frequency dependence of the energy transfer in two-wave mixing experiments with BSO crystals	Rajbenbach H., Huignard J.P., Loiseaux B.	OC 48(83)247-251	372

Two-wave mixing and energy transfer in BaTiO ₃ application to laser beamsteering	Rak D., Ledoux I., Huignard J.P.	OC 49(84)302-306	373
Wave mixing with moving grains in photorefractive Bi ₁₂ SiO ₂ : application to phase conjugation with gain and self oscillations	Huignard J.P., Rajbenbach H., Refregier P.	SPIE 613(86)22-31	374
Microphotometric investigation of thick refractive index gratings in LiNbO ₃ :Fe crystals with incoherent illumination	Rupp R.A.	OC 61(87)171-174	375
Degenerate four-wave mixing in photorefractive Bi ₁₂ GeO ₂₀ crystals involving internal reflections (BGO)	Ja Y.H.	AP B 41(86)265-269	376
Observations of interference between a signal and its conjugate in a four-wave mixing experiments using Bi ₁₂	Ja Y.H.	OQE 14(82)367-369	377
Continuous-wave phase-conjugate self-oscillation induced by Na-vapour degenerate four-wave mixing with gain	Leite J.R.R., Simoneau P., Bloch D., Le Boiteux S., Ducloy M.	EUL 2(86)747-753	378
Simplified band transport model of the photorefractive effect	Jaura R., Hall T.J., Foote P.D.	OE 25(86)1068-1074	379
Dancing modes and frequency shifts in a phase conjugator	Jiang J.P., Feinberg J.	OL 12(87)266-268	380
Photorefractive incoherent-to-coherent optical converter: physical and materials considerations	Marrakchi A., Tanguay A.R.	SPIE 465 (19984) 82-96	381
Hydrogen as origin of thermal fixing in LiNbO ₃ :Fe	Vormann H., Weber C., Kapphan S., Krätzig E.	SSC 40(81)543-545	382
Thermal fixing of volume phase holograms in LiNbO ₃ :Cu	Sommerfeldt R., Rupp R.A., Vormann H., Krätzig E.	Phys. stat. sol. (a) 99(87)K15-8	383
X-ray analytical studies of the bismuth germanate crystals (BGO)	Warminski T., Ito Y.	J. Phys. Chem. Sol. 48(87)181-183	384
Synthesis and analysis of short pulses with polychromatic phase conjugation	Manneberg G.	JOSA B (87)313-318	385
Optical phase-conjugate correction for propagating distorting in nonreciprocal media	Kwong S.K., Yahalom R., Kyuma K., Yariv A.	OL 12(87)337-339	386
Measurement of the electrogyratory and electro-optic effects in BSO and BGO	Vachss F., Hesselink L.	OC 62(87)159-165	387
Factors affecting the beam quality in nearly degenerate four-wave mixing	Scott A.M.	OC 61(87)164-170	388

Observing of deterministic chaos in a phase-conjugate mirror	Gauthier D.J., Narum P., Boyd R.W.	PR A 58(87)1640-1643	389
Non-frequency-shifted, high-fidelity phase conjugation with aberrated waves by Brillouin-enhanced four-wave mixing	Skeldon M.D., Narum P., Boyd R.W.	OI 12(1987) 343-345	390
Optical limitation led by light climbing effect and photoinduced four-wave mixing light scattering in LiNbO ₃ :Fe crystal	Guangyin Z., Simin L., Yuanqin W.	Depart. of Phys., Nankai Univ., Tianjin,	391
Degenerate stimulated paramic scattering in LiNbO ₃ :Fe	Zhang G., Li Q.X., Ho P.P., Alfano R.R., Liu S., Wu Z.	JOSA B 4(87)882-885	392
The anisotropy of refraction nonlinearity and vector self-diffraction in the wide-gap semiconductors of CdS type	Borshch A.A., Brodin M.S., Semioshko V.N.	Phys. stat. sol. (a) 91(85)135-141	393
Die transversale optische Bistabilität bei der Defokussierung sich gegeneinander ausbreitender Lichtbündel	Borsch A.A., Brodin M.S., Semioschko V.I.	Pis SCH T F 12(86)345-350	394
Electroabsorption spectra of the vanadyl phthalocyanine films	Huang T.H.	J. Phys. Soc. Jap. 56(87)1213-1222	395
Thermal and collective diffusion in polymer solutions: a small angle light scattering study	Jamie I.M., James D.W., Geissler E.	OC 56(85)255-259	396
Laser-induced optical effects in a liquid suspension	Guha S., Chen W.P.	OC 61(87)425-431	397
Probe-beam intensity-dependent reflectivity in degenerate four-wave mixing in a saturable absorber	Kwon J.H., Lee S.S.	OL 8(83)428-430	398
Acousting wave excitation by degenerate four-wave mixing (DFWM) of picosecond pulses in a dye solution	Bondarenko S.V., Ivakin E.V., Rubanov A.S., Kabelka V.I., Mikhailov A.V.	OC 61(87)155-157	399
Nonlinear effects in light scattering of thermal lensing systems	Eden G., Schröder W., Staude W.	OC 63(87)135-141	400
Theory of phase conjugation by degenerate four-wave mixing spatially varying pump beams	Bochove E.	JOSA 73(83)1330-1342	401
Phase-conjugate reflection at arbitrary angles using TEM ₀₀ pump beams	Trebino R., Siegman A.E.	OC 32(1980)	402
Anharmonic forced Rayleigh scattering: a technique for study of saturated absorption in liquids	Mc Graw D.J., Michaelson J., Harris J.M.	J. Chem. Phys. 86(87)2536-2547	403
Efficient phase conjugation by Brillouin enhanced four wave mixing	Sgott A.M.	OC 45(83)127-132	404
Interference detection of ultrasound at rough surfaces using optical phase conjugation	Paul M., Bletz B., Arnold W.	APL 50(87)1569-1571	405

Laser-Interferometrie mit PC-Spiegeln	Pasmanik G.A.	I A N SSSR; Ser. Fis. 51(87)1652-1658	406
Active stabilization for real-time holographic recording	Frejlich J., Cescato L., Mendes G.F.	SPIE 700(86)193-200	407
Electro-optical effects in dielectric crystals	Günter P.	FE 75(87)5-23	408
Anisotropic self-diffraction in KNbO ₃	Küllich H.C., Rupp R.A., Hesse H., Krätzig E.	OQE 19(87)93-107	409
Correction of polarization distortion using phase conjugation via stimulated Brillouin scattering	Carr I.D., Hanna D.C.	OC 62(87)396-402	410
Optical evidence of a photorefractive effect due to holes in Bi ₁₂ GeO ₂₀ crystals (BGO)	Pauliat G., Allain M., Launay J.C., Roosen G.	OC 61(87)321-324	411
Theoretical and experimental study of diffraction in optically active and linearly birefringent sillenite crystals	Pauliat G., Roosen G.	FE 75(87)281-294	412
Picosecond photorefractive effect in BaTiO ₃	Smirl A.L., Valley G.C., Mullen R.A., Bohnert K., Mire C.D., Boggess T.F.	OL 12(87)501-503	413
Beam-coupling, four-wave mixing and optical oscillation due to spatially-oscillating photovoltaic currents in Lithium niobate crystals	Novikov A., Odoulov S., Oleinik O., Sturman B.	FE 75(87)295-316	414
Anisotropic four-wave mixing in cubic photorefractive crystals	Bledowski A., Krolikowski W.	Acceted for publication in IEEE JQE	416
Spatially multiplexed phase conjugate imaging and processing in photorefractive BSO	Vainos N.A., Eason R.W.	OC 62(87)311-316	417
Photorefractive properties of strontium-barium niobate (SBN)	Ewbank M.D., Neurgaonkar R.R., Cory W.K., Feinberg J.	JAP 62(87)374-380	418
Holographic interferometry using iron-doped lithium niobate (LiNbO ₃)	Magnusson R., Mitchell III J.H., Black T.D., Wilson D.R.	APL 51(87)81-83	419
Bi ₁₂ SiO ₂₀ crystal application for voltage sensor in optical fibers (BSO)	Norimatsu M., Shirasaki M.	FE 75(87)189-196	420
Ein Effekt der Winkelselektivität auf die Darstellung der Eigenschaften eines Vierwellen-PC	Ben V.N., Bondarenko S.V., Ivakin E.V., Rubanov A.S.	KE 14(87)389-392	421
Kontrastumkehr bei der Phasenkonjugation	Ben V.N., Ivakin E.V., Rubanov A.S.	IF AN BSSR (Minsk) 86/422	422
Die Reflektionsfähigkeit dynamischer phasenkonjugierender Hologramme in Farbstoffen moduliert durch Drei- und Vier-Niveauschemata	Tolstik A.L.	Autoreferat Diss. Minsk 1987	424
Anisotropic properties of volume holograms in Bi ₁₂ SiO ₂₀ monocrystals (BSO)	Miteva M.G., Miridonov S.V.	OQE 19(87)37-43	425
Picosecond phase conjugation in polydiacetylene gels	Nunzi J.M., Grec D.	JAP 62(87)2198-2201	426

Interference pattern produced on reflection at a phase-conjugate mirror. I: Theory	Wolf E., Mandel L., Boyd R.W., Habashy T.M., Nieto-Vesperinas	JOSA B 4(87)1260-1265	427
Interference pattern produced on reflection at a phase-conjugate mirror. II: Experiment	Jacobs A.A., Tompkin W.R., Boyd R.W., Wolf E.	JOSA B 4(87)1266-1268	428
Nature of the interference pattern produced on reflection at a phase-conjugate mirror	Boyd R.W., Habashy T.M., Jacobs A.A., Mandel L., Nieto-Vesperinas M., Tomp	OL 12(87)42-44	429
Pump-probe cross-correlation-induced resonances in four-wave mixing	Agarwal G.S., Kunasz C.V., Cooper J.	PR A 36(87)143-146	430
Theory of distorting correction by phase conjugation for strongly scattering media	Taket N.D., Fiddy M.A.	JOSA A 4(87)1869-1872	431
Determination of single and collective particle correlation kinetics using time resolved picosecond phase conjugation	Buchert J.M., Dorsinville R., Delfyett P., Alfano R.R.	Proc. inter. conf. on lasers, 2.-6.12.85,	432
High reflectivity phase conjugation at 10 μm	Gorton E.K.	Proc. intern. conf. on lasers, 2.-6.12.85	433
Amplitude squeezing in a semiconductor laser using quantum nondemolition measurement and negative feedback	Yamamoto Y., Imoto N., Machida S.	PR A 33(86)3243-3261	434
Amplitude squeezing in a pump-noise-suppressed laser oscillator	Yamamoto Y., Machida S.	PR A 34(86)4025-4042	435
Fidelity of passive conjugators	Ewbank M.D., Yeh P.	SPIE 613(86)11-17	436
Photorefractive crystals as optical devices, elements, and processors	White J.O., Yariv A.	SPIE 464(84)7	437
Photorefraction and self-enhancement of holograms in LiNbO_3 and LiTaO_3 crystals	Shvarts K., Ozols A., Augustov P., Reinfeld M.	FE 75(87)231-249	438
Ein optischer Generator mit bezüglich der Frequenz entartetem Pumpen in SBN:Ce - Kristallen	Krumins A.E., Kuzminov Y.S., Odulov S.G., Polozkov N.M., Seglins Y.A.	KE 13(86)1037-1039	439
Observation of the emission of light during frequency-degenerate pumping in a cerium-doped barium-strontium niobate crystal	Krumin A.E., Seglin'sh Y.A., Odulov S.G., Kuz'minov Y.S., Polozkov N.M.	STPL 12(86)2-3	440
Enhanced beam coupling modulation using the polarization properties of photorefractive GaAs	Partovi A., Garmire E.M., Cheng L.J.	APL 51(87)299-301	442
Spatial light modulation by beam coupling in GaAs crystals	Cheng L.J., Gheen G., Chao T.H., Liu H.K., Partovi A., Katz J., Garmire E.	OL 12(87)705-707	443

Influence of iron on electrooptic effect and photorefractive properties of BaTiO ₃ . holographic applications	Ormancey G., Jullien P., Benomar O., Semanou Y., Godefroy G.	Phase Trans. 9(87)135-138	444
Ein Ringgenerator auf der Grundlage des photorefraktiven Kristalls BTO	Sochava S.L., Stepanov S.I., Petrov M.P.	Pis Sch T F 13(87)660-665	445
Four-wave interaction phenomena in holographic scattering	Rupp R.A., Marotz J., Ringhofer K.H., Treichel S. Feng S., Krätzig E.	SPIE 812(87)24	446
Light-induced scattering in electrooptic crystals	Rupp R.A., Ringhofer K.H., Drees F.W., Marotz J., Treichel S., Krätzig E.	Proc. ISAF 1986, 72-75	447
Light-induced scattering in photorefractive crystals	Rupp R.A., Drees F.W.	AP B 39(86)223-229	448
Image polarization characteristics storage in birefringent crystals	Petrov M.P., Stepanov S.I., Kamshilin A.A.	OC 21(77)297-300	449
Moving gratings during erasure in photorefractive Bi ₁₂ SiO ₂₀ crystals (BSO)	Hamel de Montchenault G., Loiseaux B., Huignard J.P.	EL 22(86)1030-1032	450
Nonfrequency-shifted phase conjugation by Brillouin-enhanced four-wave mixing	Narum P., Boyd R.W.	IEEE JQE 23(87)1211-1216	451
Laser-induced grating characteristics in doped lithium niobate crystals (LiNbO ₃)	Arizmendi L., Kliewer M.L., Powell R.C.	JAP 61(87)1682-1687	452
Four-wave mixing and phase conjugation in semiconductor laser media	Agrawal G.P.	OL 12(87)260-262	453
Highly nondegenerate four-wave mixing in semiconductor lasers due to spectral hole burning	Agrawal G.P.	APL 51(87)302-304	454
Anharmonic forced Rayleigh scattering	Mc Graw D.J., Harris J.M.	PR A 34(86)4829-4842	455
Amplification of high bandwidth signals through two-wave mixing in photorefractive Bi ₁₂ SiO ₂₀ crystals	Hamel de Montchenault G., Loiseaux B., Huignard J.P.	APL 50(87)1794-1796	456
Contribution of holes to the photorefractive effect in n-type Bi ₁₂ SiO ₂₀ (BSO)	Strohkendl F.P., Hellwarth R.W.	JAP 62(87)2450-2455	457
Hole-electron competition in photorefractive gratings	Strohkendl F.P., Jonathan J.M.C., Hellwarth R.W.	OL 11(86)312-314	458
Efficiency and polarization characteristics of photorefractive diffraction in a Bi ₁₂ SiO ₂₀ crystal (BSO)	Mallick S., Rouede D., Apostolidis A.G.	JOSA B 4(87)1247-1259	459
Influence of the polarization direction on two-beam coupling in photorefractive Bi ₁₂ SiO ₂₀ : diffusion regime	Mallick S., Rouede D.	AP B 43(87)239-245	460
Photorefractive material response to short pulse illuminations	Le Saux G., Brun A.	IEEE JQE 23(87)1680-1688	461

Rigorous three-dimensional coupled-wave diffraction analysis of single and cascaded anisotropic gratings	Glytsis E.N., Gaylord T.K.	JOSA A 4(1987) 2062-2080	462
Nearly degenerate four-wave mixing in photorefractive crystals, an analytical treatment	Goltz J., Laeri F., Tschudi T.	OC 64(87)63-66	463
Phase conjugation meterology	Almeida S.P., Bernardo L.M.	Proc. NATO adv. study inst., 16.-27.7.84,	464
Räumlich polarisierte Phasenkonjugation bei der Vierwellenmischung in Biochromschichten	Korchemskaia E.Y., Soskin M.S., Taranenko V.B.	KE 14(87)714-721	465
Coherent light oscillator by self-induced holographic gratings in SBN:Ce crystals	Seglins Y., Krumins A., Ozols A., Odoulov S.	FE 75(87)317-322	466
Photoinduzierte Prozesse bei der Aufzeichnung elementarer holographischer Gitter in ferroelektrischen SBN:Ce und PLZT-Keramik	Seglins Y.A.	IF AN LSSR (Riga) 87/52	467
Holographic storage properties of electrooptic crystals	Krätzig E., Rupp R.A.	Proc. SPIE 673(86)	468
Nonlocal photovoltaic response function for the interpretation of hologram writing in ferroelectric crystal	von Baltz R., Lingenfelder C., Rupp R.	AP A 32(83)13-18	469
Holographic light scattering in photorefractive materials	Marotz J., Ringhofer K.H., Rupp R.A.	Top. Meeting, photorefr. mater., L A, 12-	470
Imaging of thick phase gratings	Rupp R.A., Wittenbecher G., Krätzig E.	SPIE 702(86)363-366	471
The mechanism of holographic recording in PLZT 10/65/35 under an applied electric field	Krumins A., Rupp R.A., Kerperin K.	FE 80(88)281	472
Microphotometric investigations of thick refractive index gratings in photorefractive crystals	Rupp R.A.	AP B 41 (1986) 153-168	473
Investigation of refractive index gratings in electro-optic crystals by a microscope technique	Rupp R.A., Krätzig E.	Phys. stat. sol. (a) 72(82)K5-K9	474
Quasi-steady-state regime in transient stimulated Raman scattering	Ackerhalt J.R., Kurnit N.A.	PR A 36(87)1720-1730	476
Coherent stokes Raman scattering with incoherent light for vibrational-dephasing-time measurement	Hattori T., Terasaki A., Kobayashi T.	PR A 35(87)715-724	477
Femtosecond dephasing in a polydiacetylene film measured by degenerate four-wave mixing with an incoherent light	Hattori T., Kobayashi T.	Chem. PL 133(87)230-234	478
Subpicosecond molecular dynamics studied by degenerate four-wave mixing with incoherent light	Kurokawa K., Hattori T., Kobayashi T.	PR A 36(87)1298-1304	479
Laser-induced gratings in nematic/cholesteric mixtures	Espinet H., Lesiecki M., Ramsburg M.	APL 50(87)1924-1926	480
Picosecond Raman-induced phase conjugation in liquids and solids	Dorsinville R., Delfyett P., Alfano R.R.	AO 26(87)3655-3658	481

Polarization properties of enhanced self-diffraction in sillenite crystals	Marrakchi A., Johnson R.V., Tanguay Jr. A.R.	IEEE JQE 23(87)2142-2151	482
Strontium barium niobate as a self-pumped phase conjugator (SBN)	Salamo G., Miller M.J., Clark III W.W., Wood G.L., Sharp E.J.	OC 59(86)417-422	483
BSKNN as a self-pumped phase conjugator	Rodriguez J., Siahmakoun A., Salamo G., Miller M.J., Clark III W.W., Wood	AO 26(87)1732-1736	484
Operator algebra for propagation problems involving phase conjugation and nonreciprocal elements	Yariv A.	AO 26(87)4538-4540	485
Photorefractive two-beam coupling with applied radio-frequency fields: theory and experiment	Kumar J., Albanese G., Steier W.H.	JOSA B 4(87)1079-1082	486
Self-starting passive phase conjugate mirror with Ce-doped strontium barium niobate (SBN)	Rakuljic G.A., Sayano K., Yariv A., Neurgaonkar	APL 50(87)10-12	487
Two-wave mixing with time-modulated signal in $\text{Bi}_{12}\text{SiO}_{20}$ theory and application to homodyne wave-front detection	Hamel de Monchenault G., Huignard J.P.	JAP 63(88)624-627	488
Stimulated photorefractive scattering in barium titanate (BaTiO_3)	Powell A.K., Foote P.D., Hall T.J., Burge R.E.	Presented at Cannes 1987	489
Photorefractive amplifiers: their application to iterative processes	Stace C., Walsh K., Foote P.D., Hall T.J., Burge R.E.	Photoref. amplifiers: applicat. to iterat	490
Influence of polarization state and absorption gratings on photorefractive two-wave mixing in GaAs	Walsh K., Hall T.J., Burge R.E.	OL 12(87)1026-1028	491
Photorefractive two-wave mixing in GaAs using a diode-pumped Nd:YLF laser at $1.31\mu\text{m}$	Walsh K., Hall T.J.	EL 24(88)477-478	492
Real-time evanescent -wave holograms	Sainov S., Tomova N., Dragostinova V., Ivakin E.	JOM 35(88)155-157	493
Besonderheiten des Elektronenlochmodells für die Selbsterzeugung in photorefraktiven Kristallen	Semenets T.I.	U F SCH 32(87)1511-1514	494
Speckle reduction in four-wave mixing imaging with a $\text{Bi}_{12}\text{SiO}_{20}$ crystal (BSO)	Bernardo L.M., Soares O.D.D.	Proc. NATO adv. study inst., 16.-27.7.84,	495
Non-uniformities in thick dichromated gelatin transmission gratings	Au L.B., Newell J.C.W., Solymar L.	JOM 34(87)1211-1225	497
Theoretical model for modal dispersal of polarization information and its recovery by phase conjugation	Yariv A., Tomita Y., Kyuma K.	OL 11(86)809-811	498
Theory of polarization and spatial information recovery by modal dispersal and phase conjugation	Tomita Y., Yahalom R., Yariv A.	JOSA B 5(88)690-700	499

Fidelity of polarization and spatial information recovery using a fiber-coupled phase-conjugate mirror	Tomita Y., Yahalom R., Yariv A.	OL 12(87)1017-1019	500
Real-time image subtraction with the use of wave polarization and phase conjugation	Tomita Y., Yahalom R., Yariv A.	APL 52(88)425-427	501
Demonstration of amplitude-distortion correction by modal dispersal and phase conjugation	Tomita Y., Kyuma K., Yahalom R., Yariv A.	OL 12(87)1020-1022	502
Transient studies of nondegenerate four-wave mixing in a four-level system with saturable absorption and gain	Buck J.A., Rodriguez J.R.	JOSA B 4(87)1988-1994	503
Intensity dependence of two-wave mixing absorption in a resonant medium	He G.S., Mirick J.W., Chang R.S.F., Djeu N.	OL 12(87)582-584	504
Nonlinear-optical Bragg scattering in Kerr media	Yeh P., Khoshnevisan M.	JOSA B 4(87)1954-1957	505
Phase-pulling effects in forward Raman scattering	Ackerhalt J.R., Kurnit N.A.	JOSA B 3(86)1352-1362	506
Polarimetric determination of the ratio between the constituent phase conjugate signals in degenerate four-wave mixing	Kim S.W., Lee S.S.	JAP 62(87)2194-2197	507
Cross-coupled phase conjugation through two-frequency four-wave mixing in dyes	Buck J.A., Dienes A., Whinnery J.R.	IEEE JQE 19(83)1646-1653	508
Transient effects in degenerate four-wave mixing in saturable absorbers	Silberberg Y., Bar-Joseph I.	IEEE JQE 17(81)1967-1970	509
Continuous method for measuring the electro-optic coefficient in $\text{Bi}_{12}\text{SiO}_{20}$ and $\text{Bi}_{12}\text{GeO}_{20}$ (BSO * BGO)	Bayvel P., Mc Call M., Wright R.V.	OL 13(88)27-29	511
Simple theory for degenerate four-wave mixing in photorefractive media	Peterson P.M., Johansen P.M.	OL 13(88)45-46	512
Exact solution of degenerate four-wave mixing in photorefractive media	Bledowski A., Krolikowski W.	OL 13(88)146-148	513
Multigrating phase conjugation: exact results	Krolikowski W., Belic M.R.	OL 13(88)149-151	514
Stability analysis and temporal evolution of degenerate four-wave mixing and phase-conjugate lasers	Pare C., Piche M., Belanger P.A.	JOSA B 5(88)679-689	515
Conversion of phase modulation to amplitude modulation using a phase conjugate mirror	Piche M., Pare C., Belanger P.A.	OC 65(88)146-150	516
Time-resolved buildup of a photorefractive grating induced in $\text{Bi}_{12}\text{SiO}_{20}$ by picosecond light pulses (BSO)	Jonathan J.M.C., Roosen G., Roussignol P.	OL 13(88)224-226	517
43 m photorefractive materials in energy transfer experiments	Fabre J.C., Jonathan J.M.C., Roosen G.	OC 65(1988) 257-260	518

Correction of polarzation and modal scrambling in multimode fibers by phase conjugation	Mc Michael I., Yeh P., Beckwith P.	OL 12(87)507-509	519
Double phase-conjugate mirror: analysis, demonstration, and applications	M	OL 12(87)114-116	521
A simple analytic approach to degenerate four-wave mixing by comparison with real-time holography	Petersen P.M.	IEEE JQE 23(87)2095-2101	522
Polarization selective optical phase conjugation in a Kerr-like medium	Neeves A.E., Birnboim M.H.	JOSA B 5(88)701-708	523
Higher diffraction orders in photorefractive materials	Au L.B., Solymar L.	IEEE JQE 24(88)162-168	524
Amplification in photorefractive materials via a higher order wave	Au L.B., Solymar L.	AP B 45(88)125-128	525
Determination of parameters of photorefractive crystals	Erbschloe D., Jones D., Solymar L., Takacs J., Wilson T.	Univ. of Oxford	526
High photorefractive gain in two-beam coupling with moving fringes in GaAs:Cr crystals	Imbert B., Rajbenbach H., Mallick S., Herriau J.P., Huignard J.P.	OL 13(88)327-329	527
Four-wave mixing in photorefractive crystals with depleted pumps: an analytical treatment	Goltz J., Tschudi T.	OL 14(89)405-407	528
Four-wave mixing in photorefractive crystals with depleted pumps	Goltz J., Denz C., Klumb H., Tschudi T., Albers J.	OL 13(88)321-323	529
Photoconductive enhancement of degenerate four-wave mixing reflectivity in BSO	Eason R.W., Vainos N.A.	JMO 35(88)491-503	530
Strictly real-time image differentiation in photorefractive BSO	Vainos N.A., Eason R.W.	JMO 35(88)505-509	531
Diffraction by difference holograms in electrooptic crystals	Rupp R.A., Kùlich H.C., Schùrk U., Krätzig E.	FE 8(87)25-30	532
Broadband photorefractive properties and self-pumped phase conjugation in Ce-SBN:60	Wood G.L. , Clark III W.W., Miller M.J., Sharp E.J., Salamo G.J., Neurgaon	IEEE JQE 23(87)2126-2134	533
Magnification and third-order aberrations in holography	Meier R.W.	JOSA 55(65)987-992	535
Propagation of light in a nonlinear absorber	Roso-Franco L.	JOSA B 4(87)1878-1884	536
Dynamic optical interconnects: volume holograms as optical two-port operators	Anderson D.Z., Lininger D.M.	AO 26(87)5031-5038	537
Photorefractive phase conjugation with orthogonally polarized pumping beams	Kong H., Lin C., Biernacki A.M., Cronin-Golomb M.	OL 13(88)324-326	538
Ultraviolet four-wave mixing and phase conjugation with metastable color-center states in diamond	Rand S.C.	OL 13(88)140-142	539

Two-wave mixing in reflection holograms in photorefractive materials	Erbschloe D., Solymar L., Takacs J., Wilson T.	IEEE QE 24(1988) 820-826	540
Direct image transmission through a single optical fiber by using optical phase conjugation	Yuankun S., Xiachun W., Yimo Z.	Ch. PL 14(87)495-498	541
Alternating electric field enhancement of two-wave mixing gain in photorefractive BSO	Gan X., Shounian Y., Yinguan S.	OC 66(88)155	542
Dynamische Selbstbeugung im photorefraktiven BaTiO ₃	Afanasev B., Petrov A.A., Petrov M.P., Stepanov S.I., Trofimov G.S.	Pis SCH T F 13(87)1161-1163	543
Reflected degenerate four-wave mixing on GaAs single quantum wells	Honold A., Schultheis L., Kuhl J., Tu C.W.	APL 52(88)2105-2107	544
Phase transfer in optical phase conjugation	Krolikowski W., Belic M. R., Bledowski A.	PR A 37(88)2224-2226	545
Real-time photorefractive recording and optical processing for speckle velocimetry	Collicott S.H., Hesselink L.	OL 13(88)348-350	546
Coherent light oscillators with photorefractive KNbO ₃ crystals	Pauliat G., Günter P.	OC 66(88)329-332	547
Dynamics of hologram readout in photorefractive crystals for broken Bragg-condition	Goltz J., Denz C., Tschudi T.	OL reprint(86)1-9	548
Two-beam coupling photorefractive spatial light modulation with reversible contrast	Marrakchi A.	APL 53(88)634-636	549
Photorefractive spatial light modulation based on enhanced self-diffraction in stiltenite crystals	Marrakchi A.	OL 13(88)654-656	550
Transient effects in four-wave mixing in photorefractive passive phase conjugate mirrors	Kalinin V., Solymar L.	AP B 45(88)129-135	551
Optimisation of two wave mixing processes in photorefractive materials	Walsh K., Foote P.D., Hall T.J.	SPIE 812(1987) 46-53	552
Grating evolution and form in a single-crystal self-pumped barium titanat phase conjugator (BaTiO ₃)	Brody P.S., Goff J.R.	SPIE 739(87)50-56	553
Optimization of photorefractive sillenites	Powell M.A., Wright R.V.	SPIE 812(87)16-23	554
Space-charge field in photorefractive materials at large modulation	Au L.B., Solymar L.	OL 13(88)660-662	555
Optical bistability in photorefractive four-wave mixing	Shaw K.D., Cronin-Golomb M.	OC 65(88)301-305	556
Investigation of two-laser-beam coupling and amplification in Ce-doped SBN single crystals	Huaifang X., Yuanwang J., Xuemei H., Yuanfen T., Yanxing Z.,	Ch. PL 14(87)260-265	557
Discovery of existing another mechanism of photorefractive index in crystal Ce-SBN experimently	Huaifang X.	'88 Int. laser mater. / spectr. meeting,	558

Physical effect of phase shift of phase grating in photorefractive crystal	Huaifang X.	OL reprint	559
Angular selectivity of volume holograms recorded in photorefractive crystals; an analytical treatment	Goltz J., Tschudi T.	OC 67(88)164-166	560
Light scattering fluctuations and noise in an artificial Kerr medium	Mc Graw R., Rogovin D.	SPIE 739(87)100-104	561
Dark rings from photorefractive conical diffraction in a BaTiO ₃ crystal	Chang T.Y., Yeh P.	SPIE 739(1987) 109-116	562
Ferroelectric tungsten bronze BSKNN crystals for photorefractive applications	Neurgaonkar R.R., Cory W.K., Oliver J.R.	SPIE 739(87)91-96	563
Coherent combining of pulsed dye oscillators using nonlinear phase conjugation	White J.O., Valley G.C., Mc Farlane R.A.	SPIE 739(87)87-90	564
Measurements of intensity and spatial crosstalk in degenerate four-wave mixing (DFWM)	Fukumoto J., Brock J., Frantz L., Fairchild P.	SPIE 739(87)64-70	566
Four wave mixing characteristics of sodium vapor under high reflectivity conditions	Brock J., Fukumoto J., Patterson F., Carrion W., Holleman G., Marabella L.	SPIE 739(87)33-41	567
Phase conjugation in semiconductor lasers	Mc Michael I., Khoshnevisan M., Yeh P.	SPIE 739(87)7-10	568
Solid-state laser power scaling using phase conjugation	Rockwell D.A., Sumida D.S.	SPIE 739(87)2-6	569
Generator of optical fibre modes using a photorefractive crystal	Bondiou M., de Bougrenet de la Tocnaye J.L., Pellat-Finet P.	SPIE 812(87)60-62	570
On image reconstruction by Raman and Brillouin backscattering in extreme cases	Wang T.J., Hsueh C.Y.	JMO 35(88)125-134	571
Enhanced of the phase-conjugate stimulated Brillouin scattering process using optical feedback	Wong G.K.N., Damzen M.J.	JMO 35(88)483-490	572
Exalite 392E: a new laser dye for efficient cw operation between 373 and 408 nm	Tully F.P., Durant Jr. J.L.	AO 27(88)2096-2097	573
Resonant nearly degenerate backward four-wave mixing in open and closed systems	Steel D.G., Remillard J.T.	PR A 36(87)4330-4337	574
Phase conjugate mirror with gain based on Brillouin scattering	Skeldon M.D., Narum P., Boyd R.	SPIE 739(87)57-63	575
Optical generation of ultrasonic waves by the transient grating method: application to acoustic property measurement	Casalegno R., Pierre M.	J. de Phys. 48(87)C7-533-535	576
Properties of transient degenerate four-wave mixing involving the relaxation effect: an investigation	Lan G., Fan D.	AO 26(87)2843-2846	577

Diffraction efficiency and temporal decay of laser-induced gratings in rhodamine 6G	Langhans D., Salk J., Wiese N.	Physica 144C(87)411-417	578
Response of transient stimulated Raman scattering to a pulse train	Herman B.J., Konopnicki M.J.	JOSA B 5(88)769-773	579
Resist heating in excimer laser lithography	Abe T., Arikado T., Takigawa T.	JAP 63(88)1235-1237	580
Resist heating effect in direct electron beam writing	Abe T., Ohta K., Wada H., Takigawa T.	JVS Tech. B 6(88)853-857	581
A path-integral theory of laser-controlled reactions with possible application to photolithography	Bezak V.	Acta Phys. Slov 38(88)87-95	582
Four-wave mixing experiments in cresyl violet thin films: inadequacy of a two-level interpretation	Portella M.T., Montelmacher P., Bourdon A., Evesque P., Duran J.	J. Phys. Chem. 91(87)3715-3719	583
Reflectivity scaling in four wave stimulated Brillouin scattering	Menders J.	SPIE 739(87)42-47	584
Optical phase conjugation of broadband laser beam with stimulated Brillouin scattering	Dlabal M.L., Reintjes J., Lehmborg R.H.	SPIE 739(87)22-25	585
Theory of four-wave stimulated Brillouin scattering	Shih C.C.	SPIE 739(87)26-32	586
Phase conjugation via multiple gratings in photorefractive crystals	Belic M.R.	PR A 37(88)1809-1812	587
Photorefractive effect due to holes in undoped BGO crystals	Pauliat G., Allain M., Launay J.C., Roosen G.	SPIE 812(87)30-35	588
Die Lösung der nichtlinearen Gleichungen der Vierwellenmischungen in photorefraktiven Medien	Zozulya A.A., Tichonchuk V.T.	IF AN SSSR (Moskau) 87/147	589
Diffraction gyration of light beams in photorefractive crystals	Bogodaev N.V., Kuz'minov Y.S., Kukhtarev N.V., Polozkov N.M.	KSF 5(87)15-16	590
Ein adaptiver Spiegel und die Erzeugung optischer Wellen in photorefraktiven BSN - Kristallen	Bogadaev N.V., Kuzminov Y.S., Kukhtarev N.V., Polozkov N.M.	Pis SCH T F 13(87)1454-1457	591
Dynamic holographic interferometry in photorefractive crystals	Bogodaev N.V., Kuz'minov Y.S., Kuchtarev N.V., Muravev V.V., Polozkov N.M.	KSF 3(87)15-16	592
Optical tracking filter using transient energy coupling	Kwong S.K., Tamita Y., Yariv A.	JOSA B 5(88)1788-1791	593
Observations of internal beam production in barium titanate phase conjugators (BaTiO ₃)	Nowak A.V., Moore T.R., Fisher R.A.	JOSA B 5(88)1864-1878	594
The four wave mixing theory in photorefractive crystals for nonlinear in modulation ratio medium response	Zozulya A.A.	IF AN SSSR (Moskau) 88/65	595
Mechanisms for internally self-pumped phase-conjugate emission from BaTiO ₃ crystals	Gower M.C., Hribek P.	JOSA B 5(88)1750-1757	596

Generation of spatial subharmonics by two-wave mixing in a nonlinear photorefractive medium	Mallick S., Imbert B., Ducollet H., Herriau J.P., Huignard J.P.	JAP 63(88)5660-5663	597
Photoelastic contribution to the photorefractive effect in cubic crystals	Stepanov S.I., Shandarov S.M., Khat'kov N.D.	SPSS 29(87)1754-1756	598
Dielectric photorefractive crystals as the storage medium in holographic memory systems	Agranat A., Yacoby Y.	JOSA B 5(88)1792-1799	599
Visualization of electrical domains in semi-insulating GaAs:Cr and potential use for variable grating mode operation	Rajbenbach H., Verdiell J.M., Huignard J.P.	APL 53(88)541-543	600
Sigmatic and coma-free imaging with a thick prism: a comparison of third-order theory and ray-tracing results	Barth C.J., Oepts D.	AO 27(88)3838-3844	601
Relationship between the absorption and emission of light in multilevel systems	Band Y.B., Heller D.F.	PR A 38(88)1885-1895	602
Aberration correction in one-step lens image plane holography	Cohen B.W., Lakes R.S.	AO 27(88)3322-3323	603
Resonant four-wave parametric interactions: adiabatic formulation	De Temple T.A., Gurnick M.K.; Julien F.H.	PR A 37(88)3358-3370	604
Nonlinear phase distortion in phase conjugation by degenerate four-wave mixing in Kerr media	Trillo S., Wabnitz S.	JOSA B 5(88)195-201	605
Intermittent spatial chaos in the polarization of counterpropagating beams in a birefringent optical fiber	Trillo S., Wabnitz S.	PR A 36(87)3881-3884	606
Optical multistability and phase conjugation fidelity in a high birefringence optical fiber	Trillo S., Wabnitz S.	APL 51(87)555-557	607
Nonlinear degenerate four-wave mixing in a birefringent optical fiber: phase conjugation and spatial instabilities	Trillo S., Wabnitz S.	SPIE 739(87)11-21	608
Excimer laser in microlithography	Znotins T.A.	Laser & Optronics, May 88, 55-61	609
Laser-induced gratings self-diffraction from a medium with induced absorption	Weber C., Becker U., Renner R., Klingshirn C.	AP B 45(88)113-120	610
Analysis of laser-induced grating (LIG) self-diffraction in an induced absorbing medium	Weber C., Renner R., Klingshirn C.	J. de Phys. 49(88)C2-271-274	611
Applications requirements for nonlinear-optical devices and the status of organic materials	Boyd G.T.	JOSA B 6(89)685-692	612
Rubrene, a saturable absorber for 308 nm	Kaschke M., Ernsting N.P., Schäfer F.P.	OC 66(88)211-215	613
Photophysical properties and laser performance of rubrene	Löhmannsröben H.G.	AP B 47(88)195-199	614

Image processing by four-wave mixing in photorefractive GaAs	Gheen G., Cheng L.J.	APL 51(87)1481-1483	615
Enhancement of VUV generation in resonant four-wave mixing in Kr diluted with Xe	Okada T., Tatsufumi A., Maeda M., Muraoka K., Akazaki M.	JJ AP 27(88)1550-1551	616
PATENT: " Phase conjugate reflecting media "	Connors L.M., Drury M.R.	GB 8610027	617
PATENT: " Apparatus incorporating phase conjugate mirrors "	Gower M.C., Gibson A.F	WO 87/04265	618
Time-intergrating interferometry using photorefractive fanout	Ford J.E., Fainman Y., Lee S.H.	OL 13(88)856-858	619
Enhanced photorefractive performance from 45°-cut BaTiO ₃	Ford J.E., Fainman Y., Lee S.H.	AO 28(89)4808	620
Photorefractive holographic recording in strontium barium niobate fibers (SBN)	Hesselink L., Redfield S.	OL 13(88)877-879	621
Photorefractive beam coupling in GaAs and InP generated by nanosecond light pulses	Fabre J.C., Jonathan J.M.C., Roosen G.	JOSA B (88)1730-1736	622
Dynamics of hologram readout in photorefractive crystals for broken Bragg-condition	Goltz J., Denz C., Tschudi T.	OC 68(88)228-230	623
Adaptive optical networks using photorefractive crystals	Psaltis D., Brady D., Wagner K.	AO 27(88)1752-1759	624
Generation of a phase-conjugate wave in methylred-doped PMMA and gelatin	Fujiwara H., Nakagawa K.	OC 66(88)307-310	625
Demonstration of a picosecond optical-phase-conjugation-based residue-arithmetic computation	Li Y., Eichmann G., Dorsinville R., Alfano R.R.	OL 13(88)178-180	626
Shearing interferometry and the moire method for shear strain determination	Patorski K.	AO 27(88)3567-3572	627
A review of phase-conjugate solid-state laser	Rockwell D.A.	IEEE JQO 24(88)1124-1140	628
Low-power optical bistability and phase conjugation in polydiacetylene	Blau W.	J. de Phys. 49(88)C2-85-86	629
Measurement of bulk photovoltaic and photorefractive characteristics of iron doped LiNbO ₃	Grousseau G., Henry M., Mallick S., Xu S.L.	JAP 54(83)3012-3016	631
Transport properties of photoelectrons in Bi ₁₂ SiO ₂₀ (BSO)	Grousseau R., Henry M., Mallick S.	JAP 56(84)224-229	632
Measurement of the nonlinear index n ₂ of BSO crystals	Le Saux G., Salin F., Georges P., Roger G., Brun A.	AO 27(88)2812-2813	633
Numerical study of phase conjugation in stimulated Brillouin scattering from an optical waveguide	Lehmberg R.H.	JOSA 73(83)558-566	634

Particle image velocimetry: rapid transparency analysis using optical correlation	Coupland J.M., Halliwell N.A.	AO 27(88)1919-1921	635
Critical coupling strength for enhanced four-wave mixing by use moving interference gratings in photorefractive crystals	Goltz J., Denz C., Tschudi T.	OC 68(88)453-456	636
Die Transversalstruktur der an einem phasenkonjugierenden photorefraktiven ringförmigen Spiegel reflektierten Welle	Zozulya A.A., Silin V.P., Tichonchuk V.T.	IF AN SSSR (Moskau) 87/74	637
Stimulated photorefractive scattering and optical phase conjugation	Feinberg J.	Laser Optics of Condensed Matter, 1988, 3	638
Bistable spatial light modulator using liquid crystal and $\text{Bi}_{12}\text{SiO}_{20}$ crystal layers (BSO)	Takizawa K., Okada M., Kikuchi H., Aida T.	APL 53(88)2359-2361	639
Optimization of the photorefractive properties of KNbO_3 crystals	Medrano C., Voit E., Amrhein P., Günter P.	JAP 64(88)4668-4673	640
Theory of mode hopping and phase conjugation characteristics four-wave mixing	Tajima K., Hsu H.	IEEE JQE 24(88)1893-1907	641
Short Communication	Tajima K., Hsu H.	OQE 17(85)149-152	642
Bandpass filtering in barium titanat (BaTiO_3)	Pugliese L., Morris G.M.	AO 27(88)4535-4539	643
Nichtlineare Theorie eines phasenkonjugierenden ringförmigen SBS-Spiegels	Schanuzakov M.G., Zozulya A.A., Tichonchuk V.T.	IF AN SSSR (Moskau) 87/275	644
Birefringence interference patterns and their relation to refraction indices	Bernardo L.M., Soares O.D.D.	JMO 35(88)1857-1863	645
Four-wave polarization interaction in photorefractive crystals	Odulov S.G., Sturman B.I.	SP JETP 65(87)1134-1144	646
Optical surface inspection using real-time Fourier transform holography in photorefractives	Uhrich C., Hesselink L.	AO 27(88)4497-4503	647
Optical image processing in GaAs and BSO	Aldridge N.B.	SPIE 812(87)36-45	648
An updateable image correlator employing synthetisk discriminant functions	Nicholson M.G., Gibbons G.G., Cooper I.R., Petts C.R.	SPIE 812(87)54-59	649
Le photocourant dans BSO excite par des impulsions laser picosecondes	Ferrier J.L., Gazangel J., Rivoire G.	J. de Phys. 48(87)C7-525-527	650
Picosecond holography and four-wave mixing in LiNbO_3	Gazengel J., Ferrier J.L., Rivoire G.	EUL 2(86)593-596	651
Wavefront conjugation and amplification for optical communication through distorting media	Shamir J., Caulfield J., Hendrickson B.M.	AO 27(88)2912-2914	652

Thermally induced phase-conjugation and beam-quality studies	Garrett M.H., Hoffman H.J.	JOSA 73(83)617-623	653
Real-time optical Wiener-Kolmogorov and novelty filtering with phase conjugation	Vainos N.A.	OL 14(89)128-130	654
Real-time parallel optical logic in photorefractive bismuth silicon oxide (BSO)	Vainos N.A., Khoury J.A., Eason R.W.	OL 13(88)503-505	655
Photo-induced light scattering in PLZT-10/65/35 ceramics	Krumins A., Ringhofer K.H., Rupp R.A., Shi F.	FE ?(88)00-00	656
Holographic recording in PLZT 10/65/35 ceramics with charge fields limited by trap or donor density	Rupp R.A., Kerperin K.	FE ?(89)00-00	657
Holographic investigation of $Pb_{0.9}La_{0.1}(Zr_{0.65}Ti_{0.35})_{0.975}O_3$ ceramics close to the diffuse phase transition	Rupp R.A., Krumins A.E., Kerperin K., Matull R.	PR B 39(89)	658
The influence of light scattering on energy transfer in hologram recording in PLZT ceramics	Knyazkov A.V., Lobanov M.N., Krumins A., Seglins J.	FE 69(86)81-87	659
Einfluß der Amplitudenbestandteile auf die Eigenschaften dynamischer Hologramme in ferroelektrischen Kristallen	Knyazkov A.V., Lobanov M.N.	Pis SCH T F 11(85)882-887	660
Photorefraktive Eigenschaften der BSN - Kristalle und ihre Anwendung in der dynamischen Holographie	Knyazkov A.V., Kusminov J.S.	Avtometriya 5(88)19-26	661
Besonderheiten der Wechselwirkung von Lichtbündeln in elektrooptische Medien bei der Aufzeichnung von dynamischen Hologrammen	Knyazkov A.V., Lobanov M.N.	OiS 59(85)1286-1289	662
Besonderheiten der Lichtbeugung an holographischen Gittern in Medien mit photoinduzierter Streuung	Knyazkov A.V., Lobanov M.N., Serguschenko S.A.	Pis SCH T F 12(86)264-268	663
Vektorielle Selbstbeugung von Lichtwellen in photorefraktiven Kristallen	Kukhtarev N.V., Knyazkov A.V. Lobanov M.N., Semenetz T.I., Bobuil A.I.	OiS 63(87)160-163	664
Holographische Aufzeichnung mit zur Aktivierung nichtausreichender Beleuchtung in PLZT-Keramiken mittels einer photoaktiven Beleuchtung	Knyazkov A.V., Lobanov M.N.	Pis SCH T F 13(87)753-756	665
Photorefractive crystals for the stabilization of the holographic setup	Kamshilin A.A., Frejlich J., Cescato L.	AO 25(86)2375-2380	666
Photorefractive crystals for real-time holographic interferometry	Kamshilin A.A., Mokrushina E.V.	SPIE 437(84)83-86	667

Possible use of photorefractive crystals in holographic vibrometry	Kamshilin A.A., Mokrushina E.V.	STPL 12(86)149-151	668
Self-diffraction electrgration and electroellipticity in centrosymmetric crystals	Kukhtarev N.V., Dovgalenko G.E.	KE 13(86)175-177	669
Hologramminterferometrie in photorefraktiven Kristallen	Kukhtarev N.V., Dovgalenko G.E.	IF AN USSR (Kiew) 86/5	670
Selbstinduzierte Drehung der Polarisationssebene bei der Beugung von Lichtwellen in punktsymmetrischen Kristallen	Kukhtarev N.V., Dovgalenko G.E.	IF AN USSR (Kiew) 84/24	671
Drehung der Polarisationssebene bei der Beugung von Lichtwellen in optisch aktiven Kristallen	Kukhtarev N.V., Dovgalenko G.E.	IF AN USSR (Kiew) 83/10	672
Linear resonator in photorefractive BSO with two pump beams	Erbschloe D.R., Splymar L.	EL 24(88)683-684	673
Unidirectional ring in photorefractive bismuth silicon oxide with two pump beams (BSO)	Erbschloe D.R., Solymar L.	APL 53(88)1135-1137	674
Lichtstationäre elektrooptische Response in $\text{Bi}_{12}\text{SiO}_{20}$ Einkristallen (BSO)	Bykadorov A.V., Kazovez N.I., Leonov E.I.	SCH T F 58(88)2250-2252	675
Lichtgenerator basierend auf photorefractive $\text{Bi}_{12}\text{TiO}_{20}$ Kristall (BTO)	Sochava S.L., Stepanov S.I.	SCH T F 58(88)1780-1783	676
Der effektive Energieaustausch bei der Zweiwellenmischung in BTO	Stepanov C.I., Sochava S.L.	SCH T F 57(87)1763-1766	677
Optical oscillators and phase conjugators using photorefractive $\text{Bi}_{12}\text{TiO}_{20}$ (BTO)	Stepanov S.I., Petrov M.P., Sochava S.L.	FE ?(89)1-6	678
Polarization dependence of reflectivity of phase-conjugate wave generated by degenerate four-wave mixing in $\text{Bi}_{12}\text{SiO}_{20}$	Sakai J.	JJ AP 27(88)1899-1905	679
Observation of optical wave phase and wave-front-correction in photorefractive two-wave mixing	Xu K., Xu H., Hong J.	OC 69(88)1-4	680
Solution to non-linear optical mixing equations with depletion and diffraction: difference-frequency generation	Nieto-Vesperinas M., Lera G.	OC 69(89)329-333	681
Near-infrared four-wave mixing with gain and self-starting oscillators with photorefractive GaAs	Rajbenbach H., Imbert B., Huignard J.P., Mallick S.	OL 14(89)78-80	682
Ultraviolet continuous-wave phase conjugation at 285 nm	Klein A., Le Boiteux S., Ducloy M.	OL 14(89)60-62	683

Phase-conjugate interferometry using degenerate four-wave mixing and holography	Nakagawa K., Fujiwara H.	SPIE 954(88)11-15	684
Real-time and double-exposure phase-conjugate interferometries using eosin-doped gelatin film	Nakagawa K., Fujiwara H.	OC 70(89)73-76	685
Thermal holograms in doped ferroelectric SBN crystals	Krumins A., Anspoks A., Odoulov S.G., Seglins J., Vaivods P.	FE 80(88)277-280	686
Theory of photorefractive phase conjugators with mutually incoherent beams	He Q.C.	IEEE JQE 24(88)2507-2513	687
Light scattering by a phase conjugator in the four-wave mixing configuration	Arnoldus H.F., George T.F.	JMO 36(89)31-51	688
Fresnel coefficients for a phase conjugator	Arnoldus H.F., George T.F.	JOSA B 6(89)30-35	689
Phase conjugation in an amorphous As ₂ S ₃ thin film	Kwon J.H., Kwak C.H., Lee S.S.	OL 10(85)568-570	690
Self diffraction and phase conjugation in a dyed nematic liquid crystal	Venables M.A., Tunnicliffe D.L.	J. Phys. D: AP 22(89)225-228	691
Angular dependence of phase conjugation in SF ₆	Cesar C.L., Tabosa J.W.R., de Oliveira P.C., Ducloy M., Leite J.R.R.	OL 13(88)1108-1110	692
Degenerate multiwave mixing in SF ₆	Tabosa J.W.R., Cesar C.L., Ducloy M., Leite J.R.R.	OC 67(88)240-244	693
Analysis of transient phase conjugation in photorefractive media	Papen G.C., Saleh B.E.A., Tataronis J.A.	JOSA B 5(88)1763-1774	694
Light-induced dark decays of photorefractive gratings and their observation in Bi ₁₂ SiO ₂₀ (BSO)	Strohkendl F.P.	JAP 65(89)3773-3780	695
Optical novelty filters	Anderson D.Z., Feinberg J.	IEEE JQE 25(89)635-647	696
Vectorial solution to the photorefractive band transport model in the spatial and temporal fourier transformed domain	Johansen P.M.	IEEE JQE 25(89)530-539	697
Formation, decay, and erasure of photorefractive gratings written in barium titanate by picosecond pulses	Smirl A.L., Bohnert K., Valley G.C., Mullen R.A., Boggess T.F.	JOSA B 6(89)606-615	698
Phase-conjugate Fizeau interferometer	Gauthier D.J., Boyd R.W., Jungquist R.K., Lisson J.B., Voci L.L.	OL 14(89)323-325	699
Procedure for recording multiple-exposure holograms with equal diffraction efficiency in photorefractive media	Strasser A.C., Maniloff E.S., Johnson K.M., Goggin S.D.D.	OL 14(89)6-8	700
Improvement of Young's Fringes' visibility in speckle photography by use of BSO-prom device	Nakagawa K., Minemoto T.	OC 70(89)288-292	701
Continuous coherent erasure of dynamic holographic interconnects in photorefractive crystals	Marrakchi A.	OL 14(89)326-328	702

New nonphotorefractive mechanism for two-beam coupling in a crystallographic-cut photorefractive crystal	Khitrova G., Rouede D., Kukhtarev N.V., Gibbs H.M.	PRL 62(89)1110-1113	703
Polarization properties of two-wave mixing under an alternating electric field in BSO crystals	Pauliat G., Besson C., Roosen G.	IEEE JQE 25(89)1736-1740	704
Multigrating optical phase conjugation: numerical results	Belic M.R., Krolikowski W.	JOSA B 6(89)901-909	705
Model of the phase-conjugate mirror	Bledowski A., Krolikowski W., Kujawski A.	SPIE 859(87)177-182	706
Visualization of aerodynamic flow fields using photorefractive crystals	Hafiz A., Magnusson R., Bagby J.S., Wilson D.R., Black T.D.	AO 28(89)1521-1524	707
Adaptive holographic interferometry using photorefractive crystals	Frejlich J., Kamshilin A.A., Kulikov V.V., Mokrushina E.V.	OC 70(89)82-86	708
Sensitive detection of phase and absorption gratings: phase-modulated, homodyne detected holography	Gehrtz M., Pinsl J., Bäuchle C.	AP B 43(1987) 61-77	709
Photorefractive dark conductivity in Cr-doped strontium barium niobate (SBN)	Sayano K., Rakuljic G.A., Agranat A., Yariv A., Neurgaonkar R.R.	OL 14(89)459-461	710
Erasure rate and coasting in photorefractive barium titanate at high optical power (BaTiO ₃)	Mahgerefteh D., Feinberg J.	OL 13(88)1111-1113	711
Photochromic gratings in photorefractive materials	Bylsma R.B., Olson D.H., Glass A.M.	OL 13(1988) 853-855	712
High two wave mixing gain (11.4 cm-1) in photorefractive InP:Fe by using dc field	Gravey P., Picoli G., Ozkul C., Wolffer N.	ECO 2 MEETING; PARIS 1989	713
Stabilization of photorefractive two-beam coupling in InP:Fe under high dc fields by temperature control	Gravey P., Picoli G., Labandibar J.Y.	OC 70(89)190-194	714
Polarization and spatial information recovery by modal dispersal and phase conjugation: properties and application	Tomita Y., Yahalom R., Kyuma K., Yariv A., Kwong N.S.K.	IEEE JQE 25(89)315-337	715
Nonlinear holographic associative memories	Owechko Y.	IEEE JQE 25(89)619-634	716
Generalized phase-conjugation system using partially-coherent light	Cunha A., Leith E.N.	IEEE JQE 25(89)351-359	717
Anwendungen der optischen Phasenkonjugation	Pepper D.M.	Spektr. Wiss. ; Heidelberg 1988, S.88-99	718
Gain exceeding absorptive in photorefractive GaAs	Walsh K., Hall T.J.	AO 28(89)16	719
Coupling modulation in photorefractive materials by applying ac electric fields	Stace C., Powell A.K., Walsh K., Hall T.J.	OC 70(89)509-514	720
Interference-term real-time measurement for self-stabilized two-wave mixing in photorefractive crystals	dos Santos P.A.M., Cescato L., Frejlich J.	OL 13(88)1014-1016	721

Two-dimensional optical spectral analyzer of oscillating object field using voltage-controlled BSO crystal	Sato T., Takehara M., Ikeda O.	AO 23(84)4051-4053	722
Polarization-preserving wavefront reversal by four-wave mixing in photoanisotropic materials	Nikolova L., Todorov T., Tomova N., Dragostinova V.	AO 27(1988) 1598-1602	723
Dynamic interferometry using two phase conjugate waves	Chang S., Isono M., Sato T.	AO 27(88)4735-4738	724
Photoinduced charge dynamics in photorefractive semiconductors	Astratov V.N., Ilinskii A.V., Furman A.S.	Phys. stat. sol. (b) 150(88)611-615	725
Analysis of the build up of oscillations in self-induced photorefractive light resonators	Pauliat G., Ingold M., Günter P.	IEEE JQE 25(89)201-207	726
Photorefraktives adaptives holographisches Interferometer	Kamschilin A.A.	Prospekt IOFFE INST. 1-18	727
Enhanced four-wave mixing in photorefractive BSO produced by temporal phase shifts	Johansen P.M.	J. Phys. D: AP 22(89)247-253	728
Transient phase conjugation in kerr media, photorefractive media, and plasma: a comparison	Papen G.C., Tataronis J.A., Saleh B.E.A.	IEEE QE 25(1989) 540-549	729
Multilevel theory of time-delay four-wave mixing with incoherent light in absorption bands	Mi X., Zhou H., Zhang R., Ye P.	JOSA B 6(89)184-190	730
Measurement of dephasing time using incoherent light in the Kerr shutter configuration	Misawa K., Hattori T., Kobayashi T.	OL 14(89)453-455	731
Active coherent optical feedback system with phase-conjugating image amplifier	Klumb H., Herden A., Kobialka T., Laeri F., Tschudi T., Albers J.	JOSA B 5(88)2379-2385	732
Gain, lasing, and nonlinear optical properties of giant dipole molecules and polydiacetylene	Kobayashi T.	SPIE 682(86)12-19	733
The application of incoherent light for the study of femtosecond-picosecond relaxation in condensed phase	Kobayashi T., Terasaki A., Hattori T., Kurokawa K.	AP B 47(88)107-125	734
Time-delayed three-wave mixing of nanosecond incoherent laser beams for measuring short relaxation times	Apanasevich P.A., Kozich V.P., Vodschitz A.I.	JMO 35(88)1933-1938	736
Ultrafast pump-probe measurement using intensity correlation of incoherent light	Tomita M., Matsuoka M.	JOSA B 3(86)560-563	737
Ultrahigh-time-resolution coherent transient spectroscopy with incoherent light	Morita N., Yajima T.	Phys. Rev. A 30(84)2525-2536	738

Comparison of the amplification coefficients of conjugate and non-conjugate waves in stimulated light scattering	Pilipetskiy N.F., Popovichev V.I., Ragulskiy V.V.	OL 40(81)73-76	739
Numerical study of phase conjugation in stimulated backscatter with pump depletion	Lehmberg R.H.	OL 43(82)369-374	740
A review of stimulated Brillouin scattering excited with a broad-band pump laser	Valley G.C.	IEEE JQE QE-22(86)704-712	741
Large signal characteristics of stimulated Brillouin scattering and Gaussian beam phase conjugation	Hsu H., Bor S.S.	IEEE JQE 25(89)430-437	742
The structure of the stokes fields reflected in SBS in a light guide	Anikeev I.Y., Glazkov D.A., Gordeev A.A., Zubarev I.G., Mironov A.B., Mikh	IEEE JQE 25(89)414-419	743
Constant radial shearing interferometry with two spiral phase gratings	Ru Q.S., Ohyama N., Honda T.	OL 70(89)445-449	744
Nonlinear optical properties of highly oriented polydiacetylene evaporated films	Kanetake T., Ishikawa K., Hasegawa T., Koda T., Takeda K., Hasegawa M., Ku	APL 54(89)2287-2289	745
An experimental study of saturable absorbers for ruby laser	Hercher M., Chu W., Stockman D.L.	IEEE JQE QE-4(68)954-968	746
Passive one-way aberration correction using four-wave mixing	Mac Donald K.R., Tompkin W.R., Boyd R.W.	OL 13(88)485-487	747
Image projection with nonlinear optics	Levenson M.D., Chiang K.	IBM JRD 26(82) 160-169	748
Resolving power of time-reversed wave-front imaging devices	Hubbard J.	JOSA L 71(81)1029-1032	749
Transient coherent degenerate four-wave mixing	Chen J.T., Yu Z.X.	IEEE JQE 25(89)373-381	750
One-way phase conjugation with partially coherent light and superresolution	Cunha A., Leith E.N.	OL 13(88)1105-1107	751
Nonlinear optical interactions in low-melting-temperature glasses containing organic dyes	Tompkin W.R., Boyd R.W.	SPIE 824(88)	752
Polarization properties of phase conjugation by degenerate four-wave mixing in a medium of rigidly held dye	Tompkin W.R., Malcuit M.S., Boyd W., Sipe J.E.	JOSA B 6(89)757-760	753
Polarization properties of phase conjugation by degenerate four-wave mixing in saturable absorbers	Boyd R.W., Gauthier D.J., Kauranen M., Malcuit M.S., Tompkin W.R.	Inst. of Opt., Univ. of Rochester, New Yo	753
Propagation and stability characteristics of nonlinear guided waves in saturable nonlinear media	Etrich C.M., Mitchell C.S., Moloney J.V.	J. de Phys. 49(88)C2-315-317	754

Optical phase conjugation reflectivity and fidelity in CS ₂ by picosecond pulse four wave mixing	Van Wonterghem B., Dutton T.E., Saltiel S.M., Rentzepis P.M.	JAP 64(88)4329-4333	755
Saturable absorbers for low power optical conjugation	Moosad K.P.B., Nampoori V.P.N.	P.-J. Phys. 31(88)281-287	756
Lateral and radial shearing interferometers: a comparison	Hariharan P.	AO 27(88)3594-3596	757
Interferometric fringe analysis using a single phase step technique	Santoyo F.M., Kerr D., Tyrer J.R.	AO 27(88)4362-4364	758
Backscatter corrections to the parabolic wave equation	de Wolf D.A.	JOSA A 6(89)174-179	759
Wavefront conjugation and amplification for optical communication through distorting media: experiment	He Q.C., Shamir J., Duthie J.G.	AO 28(89)306-310	760
Femtosecond relaxation processes in nonlinear materials studied with incoherent light	Kobayashi T., Hattori T., Terasaki A., Kurokawa K.	RPA 22(87)1773-1785	761
Saturation splitting in the spectrum of resonant degenerate four-wave mixing	Agrawal G.P., Van Lerberghe A., Aubourg P., Boulnois J.L.	OL 7(82)540542	762
Effects of populations on backward, nearly degenerate four-wave mixing spectroscopy and optical phase conjugation	Steel D.G., Remillard J., Liu J., Rand S.C.	JOSA A 5(88)171-179	763
Phase conjugation by degenerate four-wave mixing in inverted dye solutions	Routledge P.A., King T.A.	JMO 35(88)799-805	764
Michelson interferometer with a holographic memory for measuring fidelity of aberrated phase conjugated beam	Munch J., Wuerker R.F., Le Febvre M.J.	AO 28(89)1731-1733	766
Mechanism for photorefractive phase conjugation using incoherent beams	Ewbank M.D.	OL 13(88)47-49	767
Highly sensitive polarisation-controlled optical switching with a photorefractive double phase conjugator	He Q.C., Duthie J.G., Gregory D.A.	OL 14(89)575-577	768
Oscillating behaviour of diffracted light on uniform illumination of holograms in photo-refractive Bi ₁₂ TiO ₂₀ crystals	Miteva M., Nikolova L.	OC 67(1988) 192-195	769
Double phase-conjugate mirror using a photorefractive Bi ₁₂ TiO ₂₀ crystal (BTO)	Petrov M.P., Sochava S.L., Stepanov S.I.	OL 14(89)284-287	770
Enhanced nondestructive holographic readout in strontium barium niobate (SBN)	Redfield S., Hesselink L.	OL 13(88)880-883	771
Time response of cerium-doped Sr _{0.75} Ba _{0.25} Nb ₂ O ₆ self-pumped phase-conjugate mirror	Miller M.J., Sharp E.J., Wood G.L., Clark W.W., Salamo G.J., Neurgaonkar R	OL 12(87)340-343	772
Grating formation in photorefractive materials at large illumination	Au L.B., Solymar L.	OC 72(89)261-264	774

Effect of compensation on the amplification of photorefractive two beam coupling by alternating electric field	Besson C., Jonathan J.M.C., Villing A., Roosen G.	SPIE 1017(88)183-189	775
Influence of alternating field frequency on enhanced photorefractive gain in two beam coupling	Besson C., Jonathan J.M.C., Villing A., Pauliat G., Roosen G.	OL 14(89)reprint	776
A spatial light modulator using a Bi ₁₂ SiO ₂₀ crystal and an electrooptic insulator (BSO)	Chen J., Minemoto T.	OC 71(89)29-34	777
Optical tracking novelty filter	Anderson D.Z., Lininger D.M., Feinberg J.	OL 12(87)123-125	778
Linear- and nonlinear-optical properties of 2-cyclooctylamino-5-nitropyridine	Bosshard C., Sutter K., Günter P., Chapuis G.	JOSA B 6(89)721-725	779
Two-wave mixing by phase and absorption gratings in saturable absorbers	Boothroyd S.A., Chrostowski J., O'Sullivan M.S.	JOSA B 6(89)766-771	780
Reverse saturable absorbers: indanthrone and its derivatives	Hoffmann R.C., Stetyick K.A., Potember R.S., Mc Lean D.G.	JOSA B 6(89)772-777	781
Polarization-preserving phase conjugation and temporal reversal of an arbitrarily-polarized pulsed optical	Saari P.M., Kaarli R.K., Sarapuu R.V., Sonajalg H.R.	IEEE JQE 25(89)339-345	782
Nanosecond laser amplification via degenerate multiwave mixing in silicon	Khoo I.C., Normandin R.	APL 52(88)525-527	783
Low-power (10.6- μ m) laser-beam amplification by thermal-grating-mediated degenerate four-wave mixing in a n	Khoo I.C., Yan P.Y., Finn G.M., Liu T.H., Michael R.R.	JOSA B 5(88)202-206	784
Theory and experiments on multiwave-mixing-mediated probe-beam amplification	Khoo I.C., Liu T.H.	PR A 39(89)4036-4044	785
Probe beam amplification and phase conjugation self-oscillation in a thin Kerr medium	Khoo I.C., Zhao Y.	IEEE JQE 25(89)368-372	786
Thermal grating-mediated wave mixing and beam amplification in nematic liquid crystal thin films	Yan P.Y., Khoo I.C.	IEEE JQE 25(89)520-529	787
Dynamics of the diffraction efficiency of light-induced gratings	Danileiko Yu.K., Gorshkov V.G., Lebedeva T.P., Nesterov D.A.	JOSA B 6(89)364-372	788
Quasi-nondestructive readout of holographically stored information in photorefractive Bi ₁₂ SiO ₂₀ crystals	Delboulbe A., Fromont C., Herriau J.P., Mallick S., Huignard J.P.	APL 55(89)713-715	789
Two-dimensional phase-conjugate imaging of atomic distributions in flames by degenerate four-wave mixing	Ewart P., Snowdon P., Magnusson I.	OL 14(89)563-565	790
Lateral and focal shifts of phase-conjugated beams in photorefractive materials	Papen G.C., Saleh B.E.A.	OL 14(89)745-747	791

Optical switching by a dielectric-cladded nematic film	Khoo I.C., Zhou P., Michael R.R., Lindquist R.G., Mansfield R.	IEEE JQE 25(89)1755-1759	792
Dynamics of switching total internal reflection to transmission in a dielectric-cladded nonlinear film	Khoo I.C., Zhou P.	JOSA B 6(89)884-888	793
Nonlinear liquid-crystal fiber coupler for optical switching and gating operations	Khoo I.C., Normandin R.	JAP 65(89)2566-2568	794
Nonlocal radial dependence of laser-induced molecular reorientation in a nematic liquid crystal: theory and experiment	Khoo I.C., Liu T.H., Yan P.Y.	JOSA B 4(87)115-120	795
Analytical solutions from the non-truncated Kukhtarev expansion for two wave mixing in photorefractive materials	Jariego F., Agulló-Lopez F.	JMO 36(89)1321-1327	796
Influence of optical activity on properties of a phase conjugated in a photorefractive BSO crystal	Sawada T., Ujihara K.	IEEE QE 25(1989) 1937-1946	797
Wave front reversal in acoustic phase conjugation by nonlinear electroacoustic interaction in LiNbO ₃	Ohno M.	APL 55(89)832-833	798
Generation of acoustic phase conjugate waves using nonlinear electroacoustic interaction in LiNbO ₃	Ohno M.	APL 54(89)1979-1980	799
Photorefractive energy exchange requiring optical activity and electric field	Rouede D., Kukhtarev N., Khitrova G., Wang L., Gibbs H.M.	OL 14(89)740-742	800
Competition between subharmonic and resonating beams for photorefractive gain in bismuth silicon oxide	Jones D.C., Solymar L.	OL 14(89)743-744	801
Three-beam amplification in BSO crystals	Jones D.C., Solymar L.	EL 25(89)844-845	802
Frequency-difference holograms in lithium niobate (LiNbO ₃)	Fries S., Otten J., Ringhofer K.H., Rupp R.A.	OC 72(89)169-174	803
Enhance four-wave mixing in photorefractive BaTiO ₃ by use of tilted pump waves	Denz C., Goltz J., Tschudi T.	OC 72(89)129-134	804
Conjugate wave holographic interferometry for the measurement of in-plane deformations	Pirodda L.	AO 28(89)1842-1844	805
Phase-shift measurement in photorefractive holographic recording	Garcia P.M., Cescato L., Frejlich J.	JAP 66(89)47-49	806
Transport length, quantum efficiency, and trap density measurement in Bi ₁₂ SiO ₂₀ (BSO)	dos Santos P.A.M., Garcia P.M., Frejlich J.	JAP 66(89)247-251	807
Adaptive fringe-locked running hologram in photorefractive crystals	Frejlich J., Garcia M.P., Cescato L.	OL 14(89)1210-1212	808

All-optical power-controlled switching in four-wave mixing	Zhao Y.	OL 14(89)1085-1087	809
Applications of multiplexed real time and permanent holographic recording in photorefractive BSO	Vainos N.A., Clapham S.L., Eason R.W.	AO 28(89)4386-4392	810
Correction of thermal blooming by optical phase conjugation	Wetterer C.J., Schelonka L.P., Kramer M.A.	OL 14(89)874-876	811
Two-wave mixing gain in $\text{Bi}_{12}\text{SiO}_{20}$ with applied alternating electric fields: self-diffraction and optical activity effects	Krainak M.A., Davidson F.M.	JOSA B 6(89)634-638	812
Ring self-pumped phase conjugator using total internal reflection in photorefractive strontium barium niobate	Cronin-Golomb M., Brandle C.D.	OL 14(89)462-464	813
Spectral dependence of photorefractive erasure in $\text{Bi}_{12}\text{GeO}_{20}$ and $\text{Bi}_{12}\text{SiO}_{20}$ (BGO * BSO)	Baquedano J.A., Contreras L., Dieguez E., Cabrera J.M.	JAP 66(89)5146-5150	814
Noise suppression in photorefractive image amplifiers	Rajbenbach H., Delboulbe A., Huignard J.P.	OL 14(89)1275-1277	815
Phase measurement of a Fourier spectrum by a fringe-scanning phase-conjugate interferometer	Yu F.T.S., Wu S., Mayers A.W., Ludman J.E.	OL 14(89)1171-1173	816
Four-wave mixing in optical fibers: exact solution	Chen Y.	JOSA B 6(89)1986-1993	817
Response of a phase-conjugate mirror to an incident photon	Ou Z.Y., Bali S., Mandel L.	PR A 39(89)2509-2513	818
Hochwirksamer PCM mit einer großen Zahl streuender Elemente und Möglichkeiten seiner Verwendung in der Projektionsoptik	Kulagii O.W., Pasmanik G.A., Schilow A.A.	KE 16(89)1398-1404	819
Ringgenerator mit holographischem Verstärker	Baschenow W.J., Ljuksjutow S.F., Odulow S.G., Soskii M.S.	KE 16(89)1412-1415	820
Phasenbeziehungen bei der Vierwellenwechselwirkung in photorefraktiven Medien mit Reflexionsgittern	Wolkowa O.N., Sosulja A.A.	KE 16(89)1416-1421	821
Über die Genauigkeit der Korrektur sphärischer Aberrationen mittels OPC durch SBS	Krainow W.W., Mak A.A., Jaschin W.E.	KE 16(89)1405-1411	822
Nichtlineare dynamische Effekte bei der Vierwellenmischung	Oajewskij A.I., Pestow E.G.	KE 16(89)1422-1424	823
Reaktionen photorefraktiver Kristalle auf Lichtbündel mit veränderlicher Wellenfront	Winokurov W.I., Schkunow W.W	KE 16(89)1424-1426	824
Vector four-wave mixing in cubic, optically active photorefractive media	Hall T.J., Powell A.K., Stace C.	OC 75(90)159-164	825
Photorefractive time differentiation of coherent optical images	Cronin-Golomb M., Biernacki A.M., Lin C., Kong H.	OL 12(87)1029-1031	826

Photorefractive gain in GaAs under a dc electric field	Liu D.T.H., Cheng L.J., Rau M.F., Wang F.C.	APL 53(88)1369-1371	827
Two-beam coupling gain in undoped GaAs with applied dc electric field and moving grating	Liu D.T.H., Cheng L.J., Chiou A.E., Yeh P.	OC 72(89)384-386	828
Polarization properties of degenerate four-wave mixing in GaAs	Liu D.T.H., Cheng L.J.	JOSA B 6(89)1554-1558	829
The nature of photoinduced light scattering in ferroelectric crystals	Obukhovskiy V.V.	FE 89(89)231-234	830
Vierwellenstreuung des Lichtes in LiNbO ₃	Lemeschko W.W., Obuchowskii W.W.	UFSCH 32(87)1663-1668	831
Domänen bei der Photoanregung in LiNbO ₃ :Fe	Lemeschko W.W., Obuchowskii W.W.	Fis TT 30(88)1614-1618	832
Temperature dependence of photorefractive properties of strontium-barium niobate (Sr _{0.6} Ba _{0.4} Nb ₂ O ₆) (SBN)	Rytz D., Wechsler B.A., Schwartz R.N., Nelson C.C., Brandle C.D., Valentin	JAP 66(89)1920-1924	833
Phase shift and gross talk of a self-pumped phase-conjugate mirror	Tomita Y., Yahalom R., Yariv A.	OC 73(89)413-418	834
Two-wavelength photorefractive dynamic optical interconnect	Mc Ruer R., Wilde J., Hesselink L., Goodman J.	OL 14(89)1174-1176	835
Real time moire interferometry using a Fabry-Perot cavity with a phase conjugate mirror	Indebetouw G., Lo K.P.	AO 28(89)3893-3896	836
Stability analysis and temporal behavior of four-wave mixing in photorefractive crystals	Krolikowski W., Shaw K.D., Cronin-Golomb M., Bledowski A.	JOSA B 6(89)1828-1833	837
Observation of diminished specular reflectivity from phase-conjugate mirrors	Pepper D.M.	PRL 62(89)2945-2948	838
Self-pumped phase conjugation with nanosecond pulses in strontium barium niobate (SBN)	Monson B., Salamo G.J., Mott A.G., Miller M.J., Sharp E.J., Clark III W.W.	OL 15(90)12-14	839
Order-of-magnitude reduction of the photorefractive response time in rhodium-doped Sr _{0.6} Ba _{0.4} Nb ₂ O ₆ with a dc electric field	Sayano K., Yariv A., Neurgaonkar R.R.	OL 15(90)9-11	840
Enhanced photorefractive gain in Cr-doped strontium barium niobate with an external dc electric field	Sayano K., Yariv A., Neurgaonkar R.R.	JAP 67(90)1594-1596	841
Coherent signal beam amplification in two-wave mixing experiments with photorefractive Bi ₁₂ SiO ₂₀ crystals	Huignard J.P., Marrakchi A.	OC 38(81)249-254	842
Aberration correction of acousto-optically modulated laser beams by phase conjugation	Honda T., Matsumoto H.	OL 15(90)308-310	843
Hole-electron competition with fast and slow gratings in Bi ₁₂ SiO ₂₀ crystals (BSO)	Bernardo L.M., Lopes J.C., Soares O.D.	AO 29(90)12-14	844

Electro-optic and ferroelectric effect in La-doped strontium barium niobate single crystals (SBN)	Liu S.T., Maciolek R.B., Zook J.D., Rajagopalan B.	FE 87(88)265-269	845
Study of polarization switching in barium strontium niobate ferroelectric crystals (SBN)	Morozov N.A., Rukovishnikov A.I.	SPSS 24(82)1190-1192	846
Tungsten bronze crystals for photorefractive self-pumped phase conjugation	Sharp E.J., Miller M.J., Salamo G.J., Clark III W.W., Wood G.L., Neurgaonk	FE 87(88)335-346	847
A thermodynamic phenomenology for ferroelectric tungsten bronze $Sr_{0.6}Ba_{0.4}Nb_2O_6$ (SBN:60)	Oliver J.R., Neurgaonkar R.R., Cross L.E.	JAP 64(88)37-47	848
The production of large bismuth germanate crystals at shanghai institut of ceramics (BGO)	Zhilin X.	The Bulletin of the Bismuth Institute 51(849
Measuring photorefractive trap density without the electro-optic effect	Pierce R.M., Cudney R.S., Bacher G.D., Feinberg J.	OL 15(90)414-416	850
Photorefractive spatial light modulation by electrocontrolled beam coupling in SBN:Ce crystals	Ma J., Liu L., Wu S., Wang Z., Mormile P., Pierattin G., de Nicola S.	OC 70(89)181-184	851
Self-pumped phase conjugation in potassium niobate ($KNbO_3$)	Rytz D., Zhong S.D.	APL 54(89)2625-2627	852
Photorefractive gain and response time of Cr-doped strontium barium niobate (SBN)	Sayano K., Yariv A., Neurgaonkar R.R.	APL 55(89)328-330	853
Two-wave mixing by phase and absorption gratings in saturable absorbers	Boothroyd S.A., Chrostowski J., O'Sullivan M.S.	JOSA B 6(89)766-771	854
Determination of the phase of the complex nonlinear refractive index by transient two-wave mixing in saturable absorbers	Boothroyd S.A., Chrostowski J., O'Sullivan M.S.	OL 14(89)946-948	855
Voltage-controlled photorefractive effect in paraelectric $KTa_{1-x}Nb_xO_3:Cu,V$	Agranat A., Leyva V., Yariv A.	OL 14(89)1017-1019	856
Higher-order optical activity in bismuth germanium oxide single crystals (BGO)	de las Heras C., Contreras L.	JOSA B 6(89)1418-1421	857
Optical phase conjugation in rhodamine-6G doped boric acid glass	Kumar G.R., Singh B.P., Sharma K.K.	OC 73(89)81-84	858
Thermal gratings written in glycerol with CO_2 laser radiation	Prevost D., Thibault G., Galarneau P., Denriez-Roberge M.M., Tarrats Saugn	AO 28(89)3751-3753	859
On the measurement of electrooptic coefficients by the static polarimetric technique	Gorski P., Kucharczyk W.	Optik 83(89)7-10	860
Four-wave mixing with different coupling coefficients for readout and writing beams; an analytical treatment	Goltz J., Tschudi T.	OC 73(89)195-198	861

Holographic beam coupling in anisotropic photorefractive media	Vachss F., Hesselink L.	JOSA A 4(87)325-338	862
Techniques for the enhancement of space-charge fields in photorefractive materials	Walsh K., Powell A.K., Stace C., Hall T.J.	JOSA B 7(90)288-303	863
Analysis of double phase conjugate mirror interaction in absorbing photorefractive crystals: application to BGO: Cu	Wolffer N., Gravey P., Moisan J.Y., Laulan C., Launay J.C.	OC 73(89)351-356	864
Enhanced photorefractive beam fanning due to internal and external electric fields	Clark III W.W., Wood G.L., Miller M.J., Sharp E.J., Salamo G.J., Monson B.	AO 29(90)1249-1257	865
Semilinear double phase conjugate mirror	He Q.C., Duthie J.G.	OC 75(90)311-314	866
Characterization of cooper doped BGO application to double phase conjugate mirror	Wolffer N., Gravey P., Moisan J.Y., Laulan C., Launay J.C.	Top. Meeting; Photorefr. Materials; Ausso	867
Efficient phase conjugation in the photorefractive crystal $\text{Bi}_{12}\text{TiO}_{20}$ (BTO)	Stepanov S.I., Petrov M.P.	STPL 10(84)572-573	868
Efficient degenerate four-wave mixing in a photorefractive cubic $\text{Bi}_{12}\text{TiO}_{20}$ crystal (BTO)	Stepanov S.I., Petrov M.P., Krasin'kova M.V.	SPT P 29(84)703-705	869
Optical oscillators and phase conjugators using photorefractive $\text{Bi}_{12}\text{TiO}_{20}$ (BTO)	Stepanov S.I., Petrov M.P., Sochava S.L.	FE 8(89)00-06	870
A simple analytic solution for transient two-wave mixing in photorefractive materials	Erbschloe D.R., Wilson T.	OC 72(89)135-138	871
Multiplexed permanent and real time holographic recording in photorefractive BSO	Vainos N.A., Clapham S.L., Eason R.W.	AO 28(89)4381-4385	872
Enhanced two-beam mixing gain in photorefractive GaAs using alternating electric fields	Kumar J., Albanese G., Steier W.H., Ziari M.	OL 12(87)120-122	873
Berücksichtigung des Einflusses der optischen Aktivität auf die wechselseitige Transformation elektromagnetischer Wellen in kubischen photorefraktiven Kristallen	Schepelewitsch W.W.	DOKL AN BSSR 33(89)883-888	874
Zur Steuerung des Beugungswirkungsgrades von Reflexionshologrammen nach Denisjuk durch Einbeziehung der girodromie beim Aufzeichnen	Schepelewitsch W.W.	Pis SCH T F 8(82)713-716	875
Über die wechselseitige Transformation elektromagnetischer Wellen in Volumenhologrammen unter Berücksichtigung der Gyrostropie des registrierenden Mediums während der Aufzeichnung	Schepelewitsch W.W.	SCH T F 54(84)2177-2184	876

Einfluß der optischen Aktivität auf die Beugungsaktivität und die Polorisation in photorefraktiven kubischen Kristallen	Schepelewitsch W.W.	SCH T F 56(86)618-620	877
Gleichungen gekoppelter Wellen in optisch aktiven Medien	Suchorakow W.L., Petrov I.D., Demechin W.F.	OiS 58(85)1365-1368	878
Beugung an Volumen hologrammen unter Berücksichtigung optischer Aktivität	Schepelewitsch W.W.	SCH T F 55(85)1201-1204	879
Zur wechselseitigen Transformation elektromagnetischer Wellen in Volumen hologrammen unter Berücksichtigung des Faraday Effektes	Schepelewitsch W.W.	Pis SCH T F 9(83)773-778	880
Optical phase conjugation for postgraduates	Moosad K.P.B.	EJP 10(89)133-135	881
Beugung elektromagnetischer Wellen bei ihrer Ausbreitung in Reflexions hologrammen aufgezeichnet in photorefraktiven optisch aktiven Kristallen	Chramowitsch E.M.	Akad. BSSR 2(87)105-112	882
Einfluß der optischen Aktivität und des elektrischen Feldes auf die Berechnung holographischer Gitter in photorefraktiven Kristallen	Chramowitsch E.M., Schepelewitsch W.W.	Pis SCH T F 13(87)1313-1318	883
Energy efficiency of optical interconnection using photorefractive holograms	Chiou A., Yeh P.	AO 29(90)1111-1117	884
Modulated index structures	Stegeman G.I., Hall D.G.	JOSA A 7(90)1387-1398	885
Multiwave analysis of grating diffraction at Bragg incidence	Kenan R.P.	JOSA A 7(90)1475-1463	886
Guided-mode resonances in planar dielectric-layer diffraction gratings	Wang S.S., Magnusson R., Bagby J.S., Moharam M.G.	JOSA A 7(90)1470-1474	887
Aztec surface-relief volume diffractive structure	Cowan J.J.	JOSA A 7(90)1529-1544	888
Higher harmonic gratings in photorefractive materials at large modulation with moving fringes	Au L.B., Solymar L.	JOSA A 7(90)1554-1561	889
Chaos in photorefractive four-wave mixing with a single grating and a single interaction region	Krolikowski W., Belic M.R., Cronin-Golomb M., Bledowski A.	JOSA B 7(90)1204-1209	890
Single-mode resonator incorporating an internal multimode optical fiber and a phase-conjugate reflector	Luther-Davies B., Liebman A., Maddever A.	JOSA B 7(90)1216-1220	891
Electrochromic and optical waveguide studies of corona-poled electro-optic polymer films	Page R.H., Reck J.B., Sen A., Twieg R.J., Swalen J.D., Bjorklund G.C., Wil	JOSA B 7(90)1239-1250	892

Electro-optical and magneto-optical effects in bismuth silicate crystals and optical polarization sensors using such crystals	Gorchakov V.K., Kutsaenko V.V., Potapov V.T.	IJOE 5(1990) 235-250	893
Holographic memories; a critical review	Pappu S.V.	IJOE 5(1990) 251-292	894
Nonlinear complex susceptibility of cresyl violet solution measured with a dynamic grating method	Wiese N., Eichler H.J., Salk J.	IEEE JOE 25(89)403-407	895
Diffraction efficiency of a thin amplitude-phase holographic grating: a convolution approach	Song L., Lessard R.A.	JMO 37(90)1319-1328	896
Double phase conjugation in tungsten bronze crystals	Sharp E.J., Clark III W.W., Miller M.J., Wood G.L., Monson B., Salamo G.J.	AO 29(90)743-749	897
Computer-generated holography in photorefractive materials	Pugliese L., Morris G.M.	OL 15(90)338-340	898
Einfluß des piezoelektrischen Effektes und der optischen Aktivität auf das Lesen von Hologrammen in photorefraktiven Kristallen	Mandel A.E., Schandarov S.M., Schepelewitsch V.V.	Pis SCH T F 14(88)2147-2151	899
Coupling modulation in BSO with applied ac fields	Stace C., powell A.K., Hall T.J.	FE 92(1989) 307	900
Phase conjugation by degenerate forward four-wave mixing	Khyzniak A., Kondilenko V., Kucherov Y., Lesnik S., Odoulov S., Soskin M.	JOSA A 1(84)169-175	901
Opto-optical light deflection	Sincerbox G.T., Roosen G.	AO 22(83)690-697	902
Performance of real time associative memory using a photorefractive crystal and liquid crystal and liquid crystal and liquid crystal electrooptic switches	Xu H., Yuan Y., Yu Y., Xu K., Xu Y.	AO 29(90)3375-3379	903
Real-time defect inspection of periodic patterns using self-pumped barium titanate crystals (BaTiO ₃)	Ghosh A.P., Dube R.R.	OC 77(90)135-138	904
Photochromic and photorefractive gratings induced by pulsed excitation in BSO crystals	Khromov A.L., Kamshilin A.A., Petrov M.P.	OC 77(90)139-143	905
Correction of optical phase aberration by phase conjugation and type II frequency doubling	Johnson R.P.	OC 77(90)231-234	906
Nonlinear multi two-wave mixing, the fanning process and its bleaching in photorefractive media	Segev M., Ophir Y., Fischer B.	OC 77(90)265-274	907
Build-up and dark decay of transient photorefractive gratings in reduced KNbO ₃	Biaggio I., Zgonik M., Günter P.	OC 77(90)312-317	908
Ti:Al ₂ O ₃ laser with phase conjugate feedback of the residual pump	Kong H., Chen B.S., Cronin-Golomb M.	OC 77(90)325-328	909

Real-time edge enhancement using the photorefractive effect	Feinberg J.	OL 5(80)330-332	910
The quantum theory of optical coherence	Glauber R.J.	PR 130(63)2529-2539	911
Coherent beam and image amplification by Brillouin two-beam coupling in CS ₂	Sternklar S., Jackel S., Chomsky D., Zigler A.	OL 15(90)616-618	912
Real-time holographic associative memory using doped LiNbO ₃ in a phase-conjugating resonator	Kang H., Yang C.X., Mu G.G., Wu Z.K.	OL 15(90)637-639	913
Amplitude-modulated interferometry	Brunfeld A., Singher L., Shamir J.	OL 15(1990) 774-776	914
High-reflectivity phase conjugation using Brillouin preamplification	Ridley K.D., Scott A.M.	OL 15(90)777-779	915
Periodically refreshed multiply exposed photorefractive holograms	Brady D., Hsu K., Psaltis D.	OL 15(90)817-819	916
Optical aberration correction by real-time holography in liquid crystals	Karaguleff C., Clark Sr. G.L.	OL 15(90)820-822	917
Submicrometer lithography using lensless high-efficiency holographic systems	Chen R.T., Sadovnik L., Aye T.M., Jansson T.	OL 15(90)869-871	918
Saturation effect in nondegenerate two-wave mixing	Zhou H., Mi X., Jiang Q., Zhang R., Ye P.	OC 78(90)382-386	919
Real-time image subtraction and addition using two cross-polarized phase-conjugate waves	Fujiware H., Nakagawa K., Suzuki T.	OC 79(90)6-10	920
Real-time edge-enhancement using self-pumped conjugation in BaTiO ₃	Yu Y., Xu H., Yuan Y., Xu K.	OC 79(90)19-23	921
Dynamics of refractive-index changes and two-beam coupling in resonant media	Saxena R., Mc Michael I., Yeh P.	AP B 51(90)243-253	922
Wellenfronten hoch nichtkohärenter Strahlung in photorefraktiven Medien	Zozulya A.A., Mamaev A.V.	SCH E T F 97(90)101-113	923
A simple explicit form of finite difference to compute the effective gain in degenerate two-wave mixing; comparison with the shooting method	Das T.K., Singh K.	JMO 37(90)1573-1591	924
Hocheffektive Projektion mit PCM durch Vierwellenmischung und optischen Verstärker	Kulagin O.V., Pasmanik G.A., Shilov A.A.	KE 17(90)355-358	925
Generation and detection of two-photon coherent states in degenerate four-wave mixing	Yuen H.P., Shapiro J.H.	OL 4(79)334-336	926
Cross-polarization two-beam coupling in optically active photorefractive media	Vachss F., Chang T.Y.	JOSA B 6(89)1683-1692	927
Effect ac field on the phase conjugate signal in BSO	Ghosh A.P., Just D., Staples J.L., Dube R.R.	OC 72(89)109-112	928

Detection of moving object by phase conjugation in photo-induced anisotropic dye-doped film	Suzuki T., Fujiwara H.	SPIE 1319(90)87	929
Laser microscope using phase-conjugate reconstruction from a photorefractive hologram	Brody P.S., Garvin C.	SPIE 1319(90)468-469	930
Coherence and intensity statistics in phase-conjugate resonators	Lazaruk A.M., Friberg A.T., Salomaa R.R.E.	IEEE JOE 26(90)378-389	931
Coherent and incoherent states of the radiation field	Glauber R.J.	PR 131(63)2766-2788	932
Observation of sub-Poisson Franck-Hertz light at 253.7nm	Teich M.C., Saleh B.E.A.	JOSA B 2(85)275-282	933
Contribution of resonance medium amplitude and phase modulation to the effectiveness of phase conjugation by degenerate four-wave mixing	Kabanov V.V., Rubanov A.S., Tolstik A.L., Chaley A.V.	OQE 19(87)351-359	934
Real-time image processing via four-wave mixing in a photorefractive medium	White J.O., Yariv A.	APL 37(80)5-7	935
Passive (self-pumped) phase conjugate mirror: theoretical and experimental investigation	Cronin-Golomb M., Fischer B., White J.O., Yariv A.	APL 41(82)689-691	936
Asymmetric self-defocusing of an optical beam from the photorefractive effect	Feinberg J.	JOSA 72(82)46-51	937
Three-dimensional phase-conjugate-resonator performance	Valley G.C.	JOSA 73(83)572-575	938
Low-cost LCD video display for optical processing	Young M.	AO 25(86)1024-1026	939
Construction of a Wiener filter using a phase-conjugate filter	Ikeda O., Sato T., Kojima H.	JOSA A 3(86)645-650	940
Phase conjugation in the gain saturation of a flashlamp pumped dye laser	Routledge P.A., King T.A.	OC 62(87)357-359	941
Adaptive optics for optimization of image resolution	Gaffard J.P., Boyer C.	AO 26(87)3772-3777	942
Spectral dependence of light-induced change in dye solution refractive index	Kabanov V.V., Rubanov A.S.	Acta Phys. Hung 61(87)99-102	943
Intensity-dependent absorption coefficient in photorefractive BaTiO ₃ crystals	Motes A., Kim J.J.	JOSA B 4(87)1379-1381	944
Photorefractive rainbows	Salamo G.J., Miller M.J., Clark III W.W., Wood G.L., Sharp E.J., Neurgaonk	AO 27(88)4356-4357	945
Theory of intracavity-pumped photorefractive phase-conjugate mirror	Yahalom R., Yariv A.	JOSA B 5(88)1783-1787	946

Dielectric photorefractive crystals as the storage medium in holographic memory systems	Agranat A., Yacoby Y.	JOSA B 5(88)1792-1799	947
Higher-order anisotropic diffraction in photorefractive crystals	Temple D.A., Warde C.	JOSA B 5(88)1800-1805	948
Observations on centrosymmetric and asymmetric scattering in barium titanat (BaTiO ₃)	Moore T.R., Walters D.L.	JOSA B 5(88)1806-1810	949
Mutually coherent beam induced self-pumped phase conjugate reflection in BaTiO ₃	Ye P., Wang D., Zhang Z., Wu X.	APL 55(89)830-831	950
Observation of bifurcation to chaos in an all-optical bistable system	Nakatsuka H., Asaka S., Itoh H., Ikeda K., Matsuoka M.	PRL 50(1983) 109-112	951
Fiber-optic sensor using a tandem combination of a multimode fiber and a self-pumped phase conjugator	Kwong N.S.K.	OL 14(89) 590-592	952
Optical measurement accuracy in the case of non-classical light	Schubert M., Fleischhauer M.	JMO 37(90) 1075-1085	953
Spatial light modulation via enhanced diffraction efficiency of photochromic gratings in photorefractive BSO	Clapham S.L., Eason R.W.	OC 74(90) 290-294	954
Phenolbetainfarbstoffe	Hünig S., Rosenthal O.	Justus Liebligs Annalen der Chemie 592(54)	955
Collimation method using fourier imaging and moire techniques	Yokozeki S., Patorski K., Ohnishi K.	OC 14(75) 401-405	956
Coherent oscillation by self-induced gratings in the photorefractive crystal BaTiO ₃	White J.O., Cronin-Golomb M., Fischer B., Yariv A.	APL 40(82) 450-452	957
Phase conjugation by four wave mixing in an ArF excimer amplifier	Cefalas A.C., King T.A.	OC 51(84) 105-110	958
Resonator memories and optical novelty filters	Anderson D.Z., Erie M.C.	OE 26(87) 434-444	959
Low-pass, high-pass, and bandpass spatial-filtering characteristics of a BaTiO ₃ phase conjugator	Ikeda O.	JOSA B 4(87) 1387-1391	960
Polarization-based technique for separating copropagating waves of different wavelengths	Azzam R.M.A.	OC 68(88) 396-398	961
Selective enhancement of spatial harmonics of a photorefractive grating	Vachss F., Hesselink L.	JOSA B 5(88) 1814-1821	962
Single-mode fibre grating written into sagnac loop using photosensitive fibre: transmission filters	Hand D.P., Russell P.S.J.	IOOC '89, Kobe Japan	963
White light phase-conjugate lensless image projection	Hribek P., Gower M.C.	JMO 36(89) 1011-1018	964

Efficient phase conjugation of a cw low-power laser diode in a short Cs vapor cell at 852 nm	Oria M., Bloch D., Fichet M., Ducloy M.	OL 14(89) 1082-1084	965
Liquid crystal TV-based white light optical tracking novelty filter	Li Y., Kostrzewski A., Kim D.H., Eichmann G.	AO 28(89) 4861-4864	966
Fidelity of optical phase conjugation by degenerate four-wave mixing in semiconductor glasses and ruby	Saltiel S.M., Van Wonterghem B., Parthenopoulos D.A., Dutton T.E., Rentzep	APL 54(89) 1842-1844	967
One-way image transmission through a distorting medium using two holograms	Lee H.S., Fenichel H.	APL 55(89) 543-544	968
Off-resonant third-order optical nonlinearities of metal-substituted phthalocyanines	Shirk J.S., Lindle J.R., Bartoli F.J., Hoffman C.A., Kafafi Z.H., Snow A.W	APL 55(89) 1287-1288	969
Enhanced photorefractivity in germanosilicate fibres: effects of bleaching with 488 nm light	Hand D.P., Poyntz-Wright L.J., Russell P.S.J.	Top. Meet. on Integr. Photon. Research, 1	970
UV-induced refractive index changes in germanosilicate fibres	Hand D.P., Russell P.S.J., Wells P.J.	Top. Meet. on Photorefr. Materials, Jan.	971
Optical technique for the measurement of turbulent spectra using the photorefractive properties of BaTiO ₃	Albrecht G.F., Robey H.F., Moore T.R.	APL 57(90) 864-866	972
Lensless imaging through phase-conjugated backscattering in SF ₆	Pfau A.K., Proch D., Bachmann F.	OL 15(90) 6-8	973
Photoinduced refractive-index changes in germanosilicate fibres	Hand D.P., Russell P.S.J.	OL 15(90) 102-104	974
Combined processes of stimulated Raman scattering and four-wave mixing in optical fibres	Chen Y.	JOSA B 7(90) 43-52	975
A sensitive modified Mach-Zehnder interferometer for studying electrooptic properties	Pan W.Y., Jang S.J.	RSI 61(90) 2109-2112	976
Optical array imaging system using digital phase conjugation: proposal of an optimum data selecting method	Ikeda O.	SPIE 1319(90) 368-369	977
Optical implementation of an iterative algorithm for matrix inversion	Rajbenbach H., Fainman Y., Lee S.H.	AO 26(87) 1024-1031	978
Subtracting incoherent optical neuron model: analysis, experiment, and applications	Wang C.H., Jenkins B.K.	AO 29(90) 2171-2186	979
Epitaxial growth of thin films of BaTiO ₃ using excimer laser ablation	Davis G.M., Gower M.C.	APL 55(89) 112-114	980

Phasenkonjugierende Abbildung durch stimulierte Brillouinstreuung in flüssigen und gasförmigen Medien bei 2	Pfau A.	MPQ 152; März 1990 (Max-Planck-Inst. Qua	981
Interferometry using conjugate-wave generation	Hopf F.A.	JOSA 70(80) 1320-1323	982
Interferometer with a self-pumped phase conjugating mirror	Feinberg J.	OL 8(83) 569-571	983
Measurements of density, surface recombination coefficient, and diffusion coefficient of hydrogen atoms by L_{α} laser fluorescence spectroscopy	Kajiwara T., Inoue M., Okada T., Muraoka K., Akazaki M., Maeda M.	RSI 56(85) 2213-2216	984
Foam structures with a negative Poisson's ratio	Lakes R.	Science 235(87) 1038-1040	985
Wavefront reversal in convergent four-wave interaction	Arutyunov Y.A., Zherdienko V.V., Khizhnyak A.I.	I A N SSSR; Ser. Fis 51(87) 347-357	986
High-transmission 20-channel polychromator for observing non-Maxwellian electron velocity distributions in plasmas by Thomson scattering	Barth C.J.	AO 27(88) 2981-2986	987
Nonstationary multiple-beam interactions in a slow nonlinear medium	Arutyunov Y.A., Zherdienko V.V., Khizhnyak A.I.	I A N SSSR; Ser. Fis. 52(88) 389-392	988
Survey of photorefractive nonlinear crystals and their applications	Huignard J.P.	SPIE 1127(89) 205-212	989
Analysis of the energy dependence of the photorefractive gain in nanosecond wave mixing in semiconductor crystals	Fabre J.C., Brotons E., Halter P.U., Jonathan J.M.C., Roosen G.	SPIE 1127(89) 213-218	990
Multibeam coupling in photorefractive $BaTiO_3$	Denz C., Klees L., Tschudi T.	SPIE 1127(89) 253-256	991
Simultaneous binarisation and amplification of optical signals through the photorefractive effect	Hornung-Lequeux V., Lalanne P., Chavel P., Roosen G.	SPIE 1127(89) 257-263	992
Characterization of insulating photorefractive materials	Zielinger J.P., Tapiero M., Gies J.G., Launay J.C.	SPIE 1127(89) 188-194	993
The photorefractive effect in doped bismuth silicon oxide crystals (BSO)	Dube R.R., Just D., Bashaw M.C., Mroczkowski S., Ma T.P., Barker R.C.	SPIE 1127(89) 195-204	994
Polarization properties of two wave mixing under an alternating electric field in BGO crystals	Pauliat G., Roosen G.	SPIE 1127(89) 229-236	995
Resonant gas media for optical phase conjugation	Ducloy M., Oria M., Klein A., Le Boiteux S., Gorceix O., Leite J.R.R., Fic	"Laser Spectroscopy IX" (Academic Press,	996
Theory of complementary holograms arising from electron-hole transport in photorefractive media	Bashaw M.C., Ma T.P., Barker R.C., Mroczkowski S.	JOSA B 7(90) 2329-2338	997
Diffraction properties of fixed gratings in photorefractive media	Gu C., Yeh P.	JOSA B 7(90) 2339-2346	998

Development of space interferometer with a LiNbO ₃ :Fe crystal as holographic support	Mary J., Bernard Y., Lefaucheux F.	JOSA B 7(90) 2356-2361	999
Simultaneous diffraction of two finite waves at non-uniform dynamic volume reflection gratings	Notni G., Kowarschik R.	OQE 22(90) 433-442	1000
Phase noise elimination in interferometric experiments by sawtooth phase modulation	De Maziere M., Sierens C.	AO 29(90) 1901-1904	1001
Holographic 1:1 imaging of 1µm resolution by using phase conjugate optics	Je C.H., Choe O.S.	27(87) 583-587	1002
PATENT: " Efficient phase conjugate laser "	Bruesselbach H.W.	WO 87/05751	1003
Multiple image correlation by binary phase-only code division multiplexing	Javidi B., Farrokhnia F.	Michigan State Univ., Electr. Eng. Dep.,	1004
Fidelity of two-beam phase locking in a phase-conjugate mirror	Pasmanik G.A., Khazanov E.A.	Inst. of Appl. Phys., USSR Acad. of Scien	1005
Time dependence of degenerate four-wave mixing with broad bandwidth pulsed lasers	Kaczmarek M., Meacher D.R., Ewart P.	JMO 37(90) 1561-1571	1006
Third-order nonlinear optical properties of thin films of poly(p-phenylene benzobisthiazole) and its molecular composites with polyamides	Vanherzeele H., Meth J.S., Jenekhe S.A., Roberts M.F.	APL 58(91) 663-665	1007
Holographic interferometry using anisotropic self-diffraction in Bi ₁₂ SiO ₂₀ (BSO)	Troth R.C., Dainty J.C.	OL 16(91) 53-55	1008
Picosecond time-resolved four-wave mixing experiments in sodium-seeded flames	Fourkas J.T., Brewer T.R., Kim H., Fayer M.D.	OL 16(91) 177-179	1009
Diffraction efficiency of volume holograms written by coupled beams	Hong J.H., Saxena R.	OL 16(91) 180-182	1010
Nonlinear response of the photorefractive phase conjugator: a perturbation analysis	Li G., Saleh B.E.A.	IEEE JQE 26(90) 793-801	1011
Processing microscope using phase-conjugate illumination generated by self-pumping in barium titanate	Brody P.S., Garvin C.G.	FE 107(90) 9-14	1012
Application of the BaTiO ₃ beam-fanning optical limiter as an adaptive spatial filter for signal enhancement in pulsed infrared laser-excited photothermal spectroscopy	Bialkowski S.E.	OL 14(89) 1020-1022	1013
Double phase-conjugate mirror is not an oscillator	Zozulya A.A.	OL 16(91) 545-547	1014
Exact solution of a nonlinear model of four-wave mixing and phase conjugation	Cronin-Golomb M., White J.O., Fischer B., Yariv A.	OL 7(82) 313-315	1015

Photorefractive two-beam coupling in cubic crystals	Yeh P.	JOSA B 4(87) 1382-1386	1016
Photorefractive two beam coupling in cubic crystals. II. General case ($\Phi=\pi/2$)	Yeh P.	JOSA B 5(88) 1811-1813	1017
Phase conjugation by nondegenerate four-wave mixing in sodium vapor	de Araujo M.T., Vianna S.S., Grynberg G.	OC 80(90) 79-83	1018
A novel way of noise reduction in image amplification by two-beam coupling in photorefractive BaTiO ₃ crystal	Joseph J., Pillai P.K.C., Singh K.	OC 80(90) 84-88	1019
Optical phase conjugation in cooled organic dye film	Nakatsuka H., Masuoka D., Yamamoto T.	OC 80(91) 215-218	1020
Photo refractive intrinsic parameters measured in BiTiO ₂₀ crystal at $\lambda = 0.6332\mu\text{m}$	dos Santos P.A.M.	OC 80(91) 225-228	1021
Phase shift in nondegenerate coupling of waves in the photorefractive crystal	Ilinykh P.N., Nestiorkin O.P., Zel'dovich B.Y.	OC 80(91) 249-252	1022
Angular selectivity of holographic gratings in BSO	Tao S. Selviah D.R., Mobasher B., Poon P., Midwinter J.E.	1991 technical digest series volume 14, B	1023
Determination of the effective trap density of Ta:KNbO ₃ at 823 nm	Clement A.E., Gilbreath G.C., Fuguera S.N.	1991 technical digest series volume 14, B	1024
Theory of hologram fixing and amplification in LiNbO ₃ :Cu	Hertel P., Ringhofer K.H., Sommerfeldt R.		1025
New gain mechanism for wave amplification in photorefractive materials	Ringhofer K.H., Solymar L.	APL 53(88) 1039-1040	1026
Reading volume gratings under bragg angle	Marotz J., Ringhofer K.H.	OC 64(87) 245-247	1027
Selfenhancement in Lithium niobate (LiNbO ₃)	Otten J., Ozols A., Reinfelde M., Ringhofer K.H.	OC 72(89) 175-179	1028
Analysis of irregular and chaotic fluctuations in a self pumped BaTiO ₃ phase-conjugate mirror	Denz C., Rauch T., Tschudi T.	ECO3, Den Haag, März 1990, 1-9	1029
Intensity crosstalk and angular selectivity of multibeam coupling in photorefractive BaTiO ₃	Klees L., Denz C., Tschudi T.	OC 77(90) 65-70	1030
Effects of laser coherence on coupling efficiency for the double phase-conjugate mirror	Gruneisen M.-T., Seeberger D., Mileski J.F., Koch K.	OL 16(91) 596-598	1031
Extraordinary-polarized light does not always yield the highest reflectivity in self-pumped BaTiO ₃	James S.W., Eason R.W.	OL 16(91) 633-635	1032
Photorefractive two-beam coupling with white light	Rabinovich W.S., Feldman B.J.	OL 16(91) 708-710	1033
Noise reduction using adaptive spatial filtering in photorefractive two-beam coupling	Khoury J., Woods C.L., Cronin-Golomb M.	OL 16(91) 747-749	1034
Suppression of photorefractive beam fanning using achromatic gratings	Rabinovich W.S., Feldman B.J.	OL 16(91) 1147-1149	1035

Photorefractive two-beam coupling with reduced spatiotemporal coherence	Kong H., Wu C., Cronin-Golomb M.	OL 16(91) 1183-1185	1036
Optical switching with photorefractive polarization holograms	Song Q.W., Lee M.C., Talbot P.J., Tam E.	OL 16 (91) 1228-1230	1037
Phase-conjugate Nd:YAG laser with internal acousto-optic beam steering	Ayral J.L., Montel J., Verny T., Huignard J.P.	OL 16(91) 1225-1227	1038
High-performance self-pumped phase conjugator with a multichannel in KNSBN:Cu crystal	Xu J., Wu Y., Liu S., Zhang G., Sun D., Song Y., Chen H.	OL 16(91) 1255-1257	1039
Photorefractive hologram writing with modulation 1	Bledowski A., Otten J., Ringhofer K.H.	OL 16(1991) 672-674	1040
Optical interconnection method for neural networks using self-pumped phase-conjugate mirrors	Owechko Y., Soffer B.H.	OL 16(1991) 675-677	1041
Detection of multipath effect using a self-pumped optical phase-conjugate filter	Li Y., Ha B., Eichmann G.	OL 16(1991) 741-743	1042
Image subtraction using fixed holograms in photorefractive Bi ₁₂ TiO ₂₀ crystals	Zhivkova S., Miteva M.	OL 16(1991) 750-751	1043
Theory of origins of the photorefractive and photoconductive effects in Bi ₁₂ SiO ₂₀	Attard A.E.	JAP 69(1991) 44-55	1044
Fringe-locked running hologram and multiple photoactive species in Bi ₁₂ TiO ₂₀	Frejlich J.	JAP 68(1990) 3104-3109	1045
Photorefractive properties of BaTiO ₃ :Co	Rytz D., Wechsler B.A., Garrett M.H., Nelson C.C., Schwartz R.N.	JOSA B 7(1990) 2245-2254	1046
Photorefractive effect generated in sillenite crystals by picosecond pulses and comparison with the quasi-comparison with the quasi-continuous regime	Pauliat G., Roosen G.	JOSA B 7(1990) 2259-2267	1047
Properties of photorefractive gratings with complex coupling constants	Saxena R., Gu C., Yeh P.	JOSA B 8(1991) 1048-1052	1048
Space-charge field in photorefractive media with a constant applied magnetic field	Johansen P.M., Jensen A.S.	JOSA B 8(1991) 2342-2354	1049
Large photorefractive coupling coefficient in a thin cerium-doped strontium barium niobate crystal	Vazquez R.A., Vachss F.R., Neurgaonkar R.R., Ewbank M.D.	JOSA B 8(1991) 1932-1941	1050
Influence of piezoelectricity on the photorefractive effect	Pauliat G., Mathey P., Roosen G.	JOSA B 8(1991) 1942-1946	1051
High-fidelity phase conjugation and real-time orthoscopic three-dimensional image projection in BaTiO ₃	Vainos N.A., Gower M.C.	JOSA B 8(1991) 2355-2362	1052

Direct measurement of the amplitude and the phase of photorefractive fields in $\text{KNbO}_3:\text{Ta}$ and BaTiO_3	Lawler W.B., Sherman C.J., Moharam M.G.	JOSA B 8(1991) 2190-2195	1053
Photorefractive effect in crystal with a nonlinear recombination of charge carriers: theory and observation	Fluck D., Amrhein P., Günter P.	JOSA B 8(1991) 2196-2203	1054
Time-dependent behavior of photorefractive two- and four-wave mixing	Horowitz M., Kligler D., Fischer B.	JOSA B 8(1991) 2204-2217	1055
Intensity stabilization in photorefractive two-wave mixing by controlling the phase shift of the fringe	Shimura T., Miao H.Y., Itoh M., Kuroda K.	OC 87(1992) 171-174	1056
Mutually pumped phase conjugation in Kerr media and the effects of external seeding	Saxena R., Yeh P.	JOSA B 7(1990) 326-334	1057
Phase conjugation in long pulse CO_2 lasers	Gorton E.K., Richmond A.M.	OC 86(1991) 341-350	1058
Photorefractive holographic interference novelty filter	Khoury J., Woods C.L., Cronin-Golomb M.	OC 82(1991) 533-538	1059
Velocity filtering using complementary gratings in photorefractive BSO	Hussain G., Eason R.W.	OC 86(1991) 106-112	1060
Holographic microscope for phase imaging	Brody P.S., Garvin C.G., Gillman A., Shentu L.	(1991)	1066
On line interferometric mirror deforming measurement with an high power argon ion laser	Schmitt R., Schuchert C., Scheuer V., Vietze P., Tschudi T.	SPIE 1013(1990) 102-104	1100
Response of a BaTiO_3 phase conjugate mirror to broadband and narrowband radiation	White J.O.	AP (1992)	1101
Interferometer with photorefractive BGO crystals	Rodriguez-Zurita G., Kowarschik R., Erdmann A.	JMO 38(1991) 2203-2219	1102
Investigations of the characteristics of fixed holograms in $\text{Bi}_{12}\text{TiO}_{20}$ photorefractive crystals	Zhivkova S., Miteva M.	OC 86(1991) 449-453	1103
Multiple forward phase conjugate waves by degenerate four-wave-mixing in Langmuir-Blodgett films with BOXCAR	Du W., Zhang X., Chen K., Lu Z., Zheng Y. Wu J.	OC 86(1991) 428-430	1104
Photorefractive optical holographic correlation using a $\text{Bi}_{12}\text{TiO}_{20}$ crystal at $\lambda = 0.633 \mu\text{m}$	Faria S.G., Tagliaferri A.A., dos Santos P.A.M.	OC 86(1991) 29-33	1105
Conoscopic holography. I. Basic principles and physikal basis	Sirat G.Y.	JOSA A 9(1992) 70-90	1106
Self-organizing photorefractive frequency demultiplexer	Saffman M., Benkert C., Anderson D.Z.	OL 16(1991) 1993-1995	1107
High-resolution degenerate four-wave mixing spectral profiles of OH	Brown M.S., Rahn L.A., Dreier T.	OL 17(1992) 76-78	1108
Measurement of the photorefractive phase shift	Cudney R.S., Bacher G.D., Pierce R.M., Feinberg J.	OL 17(1991) 67-69	1109

A new method for measuring the electro-optic coefficients with higher sensitivity and higher accuracy	Zhang H.Y., He X.H., Shih Y.H., Tang S.H.	OC 86(1991) 509-512	1110
Image formation of dilute arrays for optical information processing	Lohamnn A.W.	OC 86(1991) 365-370	1111
Tracking novlty filter using transient enhancement of gratings in photorefractive BSO	Soutar C., Cartwright C.M., Gillespie W.A., Wang Z.Q.	OC 86(1991) 255-259	1112
Linear adaptive interferometers via diffusion recording in cubic photorefractive crystals	Rossomakhin L., Stepanov S.	OC 86(1991) 199-204	1113
Velocity filtering using complementary gratings in photorefractive BSO	Hussain G., Eason R.W.	OC 86(1991) 106-112	1114
Nearly degenerata two-wave mixing in saturable absorbers	Zilio S.C., Penaforte J.C., Gouveia E.A., Bell M.J.V.	OC 86(1991) 81-87	1115
Nondegenerate photorefractive four-wave mixing without feedback in Bi ₁₂ TiO ₂₀	Ilinykh P.N., Nestiorkin O.P., Zel'dovich B.Y.	OC 86(1991) 75-80	1116
Parallel subtraction of Fourier power spectrum using holographic interferometry	Yeh P., Zhang D., Gu C.	OL 17(1992) 70-73	1117
Threshold of self-enhancement in lithium niobate	Otten J., Ozols A., Reinfelde M., Bledowski A., Ringhofer K.H.	OC 87(1992) 157-160	1118
Real-time double-exposre interferometry using self-pumped conjugator with Cu: KNSBN	Zhang J., Xu H., Pu H., Yuan Y., Xu K.	OC 87(1992) 263-266	1119
Real-time edge enhancement with hybrid amorphous silicon/ferroelectric liquid crystal devices	Mao C.C., Johnson K.M.	OC 87(1992) 150-156	1120
Gain dependence on external electric field in two-wave coupling with a BSO crystal	Kawata Y., Kawata S.	Optik 90(1992) 27-31	1121
How to test an asphere with a computer generated hologramm	Arnold, S.M.	SPIE 1052(1989)191-197	1122
Testing asheric surfaces with computer-generated holograms: analysis of adjustment and shape errors	Dörband, B., Tiziani H.J.	AO 24(1985)2604-2611	1123
Nonlinear optical phase conjugation	Pepper D.M.	OE 21(1982)156-183	1124
Coupled wave theory for thick hologram gratings	Kogelnik H.	BSTJ	1125
Extraordinary-polarized light does not always yield the highest reflectivity in self-pumped BaTiO ₃	James S.W., Eason R.W.	OL 16(1991)633-635	1126
Photorefractive coupling between orthogonally polarized light beams in barium titanate	Pierce R.M., Cudney R.S.	OL 17(1992)784-786	1127
The transfer function and impulse response of photorefractive two-beam coupling	Hermanns A., Benkert C., Lininger D.M., Anderson D.Z.	IEEE JQE 28(1992)750-756	1128

Coherent beam combination in barium titanate	Fairchild P., Davis K., Valley M.	JOSA B 5(1988)1758-1762	1129
Two-dimensional phase decoding from bounded fringe patterns by using the Fourier-transform method	Spik A.	O Appl	1130
Dynamics of an optical ring circuit having photorefractive gain and loss and history-dependent feedback	Crouch D.D., Anderson D.Z.	JOSA B 8(1991)1315-1325	1131
Absorption gratings in photorefractive crystals with multiple levels	Cudney R.S., Pierce R.M., Bacher G.D., Feinberg J.	JOSA B 8(1991)1326-1332	1132
Self-bending of light beams in photorefractive phase conjugators	Eliseev V.V., Zozulya A.A., Bacher G.D., Feinberg J.	JOSA B 9(1992)398-404	1133
Model for mutually pumped phase conjugation	Yeh P., Chang T.Y., Ewbank M.D.	JOSA B 5(1988)1743-1749	1134
Observations on centrosymmetric and asymmetric scattering in barium titanate	Moore T.R., Walters D.L.	JOSA B 5(1988)1806-1810	1135
An updateable image correlator employing synthetic discriminant functions	Nicholson M.G., Gibbons G.G., Cooper I.R., Petts C.R.	SPIE 812(1987)54-59	1136
Absorption gratings in photorefractive crystals with multiple levels	Cudney R.S., Pierce R.M., Bacher G.D., Feinberg J.	JOSA B 8(1991)1326-1332	1137
Analysis of irregular fluctuations in a self-pumped BaTiO ₃ phase-conjugate mirror	Rauch T., Denz C., Tschudi	OC 88(1992)160-166	1138
Tracking novelty filter using transient enhancement of gratings in photorefractive BSO	Soutar C., Cartwright C.M., Gillespie W.A., Wang Z.Q.	OC 86(1991)255-259	1139
Double phase-conjugate mirror: two-dimensional analysis	Eliseev V.V., Tikhonchuk V.T., Zozulya A.A.	JOSA B 8(1991)2497-2504	1140
Phase transfer in optical phase conjugation	Krolikowski W., Belic M.R., Bledowski A.	PR A 37(1988)2224-2227	1141
Nonlinear response of the photorefractive phase conjugator: a perturbation analysis	Li G., Saleh B.E.A.	IEEE JQE 26(1990)793-801	1142
Beam coupling in photorefractive BaTiO ₃ crystals	Motes A., Kim J.J.	OL 12(1987)199-201	1143
Photorefractive two-beam coupling with white light	Rabinovich W.S., Feldman B.J.	OL 16(1991)708-710	1144
Spatial light modulation by beam coupling in GaAs crystals	Cheng L., Gheen G., Chao T., Liu H., Partovi A., Katz J., Garmire E.M.	OL 12(1987)705-707	1145
Resolution limit for anisotropic Bragg diffraction from finite holographic gratings	Amrhein P., Günter P.	OL 15(1990)1173-1175	1146
Image amplification with local addressing by two-wave coupling in a Bi ₁₂ SiO ₂₀ crystal by application of direct-current voltage	Kawata Y., Kawata S., Minami S.	JOSA B 7(1990)2362-2368	1147

Bandpass filtering in barium titanate	Pugliese L., Morris G.M.	AO 27(1988)4535-4539	1148
Non-plane wave two-wave mixing interaction in diffusion-driven photorefractive media	Gilbreath G.C., Davidson F.M.		1149
Two-wave mixing photorefractive diffraction efficiency	Gilbreath G.C., Davidson F.M.	SPIE 968(1988)54-63	1150
Phase conjugation by reflection gratings in electrooptic crystals	Kukhtarev N.V., Semenets T.I.	AP B 41(1986)259-263	1151
Equivalent circuit representation of spatial frequency dependence for wave interactions in photorefractive	Solyman L., Ringhofer K.H.	OC 66(1988)31-34	1152
Self-diffraction by two-wave mixing in organic-dye-doped film	Fujiwara H., Shio K., Miyanaga S., Nakagawa K.	JJ AP 29(1990)1235-1237	1153
Energy transfer between injection-locked single-mode diode lasers by two-beam coupling in BaTiO ₃	Christian W.R., Beckwith P.H., McMichael I.	OL 14(1989)81-83	1154
Measuring photorefractive trap density without the electro-optic effect	Pierce R.M., Cudney R.S., Bacher G.D., Feinberg J.	OL 15(1990)414-416	1155
Self-induced photorefractive spatial frequency filter	Möbius G., Schmidt B., Tiziani H.J.	JOSA B7(1990)2374-2379	1156
Amplification of temporally modulated signal beams by two-wave mixing in Bi ₁₂ SiO ₂₀	Webb D.J., Solyman L.	JOSA B 7(1990)2369-2373	1157
Diffraction properties of multiple-beam photorefractive gratings	Saxena R., Vachss F., McMichael I., Yeh P.	JOSA B 7(1990)1210-1214	1158
Spatial-mode cleanup of a pulsed laser beam through mutually pumped phase conjugation with a cw reference	Chang T.Y.	OL 15(1990)1342-1344	1159
Resolution limit for isotropic and anisotropic Bragg diffraction from finite holographic gratings	Amrhein P., Günter P.	JOSA B 7(1990)2387-2392	1160
Improvement of phase-conjugate beam fidelity in degenerate four-wave mixing by focused probe fields	Bochove E.	OL 8(1983)202-204	1161
Phase-conjugated distortion by degenerate four-wave mixing	Chen N.	OC 59(1986)69-71	1162
Improved soldering alloys with bismuth	Ramon J.J., Dirnfeld S.F.		1163
Industrial use of a real-time optical inspection system	Casasent D., Richards J.	AO 27(1988)4653-4659	1164
Construction of a holographic deblurring filter using a thermoplastic film	Minemoto T., Takahashi T.	OC 38(1981)243-248	1165
Modes of resonators with internal apertures	Piche M., Lavigne P., Martin F., Belanger P.A.	AO 22(1983)1999-2005	1166
Real and achromatic imaging with two planar holographic optical elements	Weingärtner I.	OC 58(1986)385-388	1167

Input states for enhancement of fermion interferometer sensitivity	Yurke B.	PRL 56(1986)1515-1517	1168
Passive versus active interferometers: Why cavity losses make them equivalent	Gea-Banacloche J.	PR A 35(1987)2518-2522	1169
Straified volume holographic optical elements	Johnson R.V., Tanguay A.R.	OL 13(1988)189-191	1170
A holographic photomask defect inspection system	Lin L.H., Cavan D.L., Howe R.B., Graves R.E.	SPIE 538(1985)110-116	1171
Holographic optical processing for submicrometer defect detection	Fusek R.L., Lin L.H., Harding K., Gustafson S.	OE 24(1985)731-734	1172
Optical imaging applied to microelectronic chip-to-chip interconnctions	Kostuk R.K., Goodman J.W., Hesselink L.	OA 24(1985)2851-2857	1173
Deblurring filter of phase hologram type	Minemoto T., Goto T., Suemoto Y., Fujita S.	JJ AP 15(1976)1605-1606	1174
Holographic image-deblurring filter	Minemoto T.	JAPE 7(1981)151-159	1175
On the quantum theory of parametric frequency converter	Janszky J., Yushin Y.Y.	Acta Phys. Hung. 53(1982)51-57	1176
Squeezing via frequency jump	Janszky J., Yushin Y.Y.	OC 59(1986)151-154	1177
Amplification of noise in the quantum theory of parametric processes	Janszky J., Yushin Y.Y.	OC 41(1982)299-303	1178
Anwendungen volumenholografischer Effekte in der Optik	Hesse G., Kowarschik R.	BT	1179
Holography and four wave mixing under picosecond and nanosecond excitations	Ferrier J.-L., Rivoire G., Herriau J.-P., Huignard J.-P.		1180
Vibration measurement using phase-shifting speckle-pattern interferometry	Nakadate S.	AO 25(1986)4162-4167	1181
Vibration measurement using phase-shifting time-average holographic interferometry	Nakadate S.	AO 25(1986)4155-4161	1182
Domain walls formation during nucleation in garnet films	Kleparski V.G., Pinter I., Bodis L.	IEEE MAG20 (1984)1156-1158	1183
Domain wall wildening in high drive fields	Kleparski V.G., Pinter I., Zimmer G.J.	IEEE MAG17 (1981)2775-2777	1184
Two kinds of instability during domain nucleation	Pinter I., Kleparski V.G.		1185
Direct observation of domain nucleation in garnet films	Kleparski V.G., Pinter I.	Phys. stat. sol.(a) 76(1983)	1186
Domain wall widening in high drive fields	Kleparski V.G., Pinter I.	Phys. stat. sol.(a) 67(1981)	1187
Measurement of 3-D displacement: sandwich holography and regulated path length interferometry	Füzessy Z., Abramson N.	AO 21(1982)260-264	1188
Measurement of 3D-displacement by regulated path length interferometry	Füzessy Z.		1189
Hologram interferometric measuring system for industry	Füzessy Z., Adam A., Bogar I., Gyimesi F., Szarvas G.		1190

Spectra of luminescence from metal-barrier-metal structures	Varga P., Vertosh G., Dyulai I., Kiss D., Kroo N., et al.	KE 12(1985)2161-2162	1191
Calculation of an optical channel of the archival holographic memory	Varga P., Kiss G.	KE 6(1979)1048-1056	1192
Difference holographic interferometry (DHI): Two-refractive-index contouring	Gyimesi F., Füzessy Z.	OC 53(1985)17-22	1193
Evaluation of holographic interferograms by parametric representation of the displacement vector field	Szarvas G., Adam A., Bogar I., Füzessy Z., Gyimesi F.	SPIE 473(1984)48-51	1194
Crosstalk and loss of information in holography	Varga P., Kiss G.	KE 10(1983)111-120	1196
Aneffect of optical system imperfections on probability of holographic memory failure	Kiss G.	KE 11(1984)1947-1956	1195
Measurement of 3-D displacement by incoherent superposition of interferograms	Füzessy Z.	IJT 18(1980)251-254	1196
Observation of a phase object using a multipinhole camera	Apostolidis A.G., Vanidhis E.D.	AO 25(1986)4321-4324	1197
New all-optical devices based on third-order nonlinearity of birefringent fibers	Daino B., gregori G., Wabnitz S.	OL 11(1986)42-44	1198
Spatial chaos in the polarization for a birefringent optical fiber with periodic coupling	Wabnitz S.	PRL 58(1987)1415-1418	1199
Nonlinear nonreciprocity in a coherent mismatched directional coupler	Trillo S., Wabnitz S.	APL 49(1986)752-754	1200
All-optical switching and intensity discrimination by polarization instability in periodically twisted fiber filters	Mecozzi A., Trillo S., Wabnitz S., Daino B.	OL 12(1987)275-277	1201
Nonlinear polarization evolution and instability in a twisted birefringent fiber	Matera F., Wabnitz S.	OL 11(1986)467-469	1202
Experimental observation of polarization instability in a birefringent optical fiber	Trillo S., Wabnitz S., Stolen R.H., Assanto G., Seaton C.T., Stegeman G.I.	APL 49(1986)1224-1226	1203
Dual-frequency Nd: YAG laser for the study and application of nonlinear optical crystals	Morgan R.A., Hopf F.A., Peyghambarian N.	OE 26(1987)1240-1244	1204
Measurement of the temperature tuning coefficient of lithium niobate using nonlinear optical interferometry	Morgan R.A., Hopf F.A.	AO 25(1986)3011-3013	1205
Fringe order calibration in hologram interferometry	Adam A.		1206
Measurement of the thermal diffusivity of nonlinear anisotropic crystals using optical interferometry	Morgan R.A., Kang K.I., Hsu C.C., Koliopoulos C.L., Peyghambarian N.	AO 26(1987)5266-5271	1207
Refractive index measurement	Bhattacharya J.C.	OLT 19(1987)29-32	1208

Strain measurement by digital speckle interferometry	Maas A.A.M., Vrooman H.A.		1209
Accuracy of phase determination with unequal reference phase shift	Ohyama N., Kinoshita S., Cornejo-Rodriguez A., Honda T., Tsujiuchi J.	JOSA A 5(1988)2019-2025	1210
Rapid electromechanical phase shifting in differential holography	Brehm L.P.	RSI 59(1988)1920-1923	1211
Fringe-shifting technique for numerical analysis of time-average holograms of vibrating objects	Stetson K.A., Brohinsky W.R.	JOSA A 5(1988)1472-1476	1212
Self-diffraction for intrinsic optical modulation evolution measurement in photoresists	Cescato L., Frejlich J.	AO 27(1984)1984-1987	1213
Phase difference amplification of double-exposure holograms	Fu S., Chen J.	OC 67(1988)417-420	1214
Fast measurements of phase using a PC-based frame grabber and phase stepping technique	Rosvold G.O.	AO 29(1990)237-241	1215
A scanning differential optical system for simultaneous phase and amplitude measurement	Appel R.K., See C.W., Somekh M.G.	SPIE 1988)	1216
Scanning differential optical profilometer for simultaneous measurement of amplitude and phase variation	See C.W., Appel R.K., Somekh M.G.	APL 53(1988)10-12	1217
Differential amplitude scanning optical microscope: theory and applications	See C.W., Vaez-Iravani M.	AO 27(1988)2786-2792	1218
Common path scanning heterodyne optical profilometer for absolute phase measurement	Offside M.J., Somekh M.G., See C.W.	APL 55(1989)2051-2053	1219
Application of electron-beam lithography at CSEM for fabricating computer-generated holograms	Buczek H., Tejjido J.M.	SPIE 884(1988)46-51	1220
Stabilized holographic recording using the residual real-time effect in a positive photoresist	Cescato L., Mendes G.F., Frejlich J.	OL 12(1987)1986-1991	1221
Fourier synthesis for fabricating blazed gratings using real-time recording effects in a positive photoresist	Cescato L., Mendes G.F., Frejlich J.	AO 27 (1988)1988- 1991	1222
Measurement of $\chi^{(3)}$ and phase shift of nonlinear media by means of a phase-conjugate interferometer	Saltiel S.M., Van Wouterghem B., Rentzepis P.M.	OL 14(1989)183-185	1223
Effet photorefractif dans les cristaux d'oxyde de bismuth et de silicium ($\text{Bi}_{12}\text{SiO}_{20}$) ou de germanium ($\text{Bi}_{12}\text{GeO}_{20}$)	Roosen G., Le Saux G., Pauliat G., Allain M., Jonathan J.M.C., Brun A.	RPA 22(1987)1253-1267	1224
Dual-frequency Nd: YAG laser for the study and application of nonlinear optical crystals	Morgan R.A., Hopf F.A., Peyghambarian N.	OE 26(1987)1240-1244	1225

Modeling of adaptive image processing strategies in fly vision	Schulding F.H., Mastebroek H.A.K.		1226
Le point sur les modulateurs spatiaux de lumiere	Lebreton G.	RPA 22(1987)1309-1320	1227
Spatially multiplexed phase conjugate imaging and processing in photorefractive BSO	Vainos N.A., Eason R.W.	OC 62(1987)311-316	1228
Effects of birefringence in phase conjugation by four-wave mixing in a ruby crystal	Bernardo L.M., Almeida S.P.	OC 48(1984)389-392	1229
Dynamic optical cross-correlator using a liquid crystal in the fourier plane	Loiseaux B., Illiaquer G., Huignard J.P.	OE 24(1985)144-149	1230
Characterization of improved binary phase-only filters in a real-time coherent optical correlation system	Flannery D., Keller P., Cartwright S., Loomis J.		1231
Calcul optique bidimensionnel	Lebreton G.		1232
Multiple image correlation by binat phase-only code division multiplexing	Javidi B., Farrokhnia F.		1233
On the use of the litton magneto-optic device in optical processors	Psaltis D., Mok F., Paek E.G.		1234
Optical parallel logic based on magneto-optic spatial light modulator	Yu F.T.S., Jutamulia S., Lu T.		1235
Color image correlation using a magneto-optic spatial light modulator	Javidi B., Kuo C.J., Chen Y.F., Ludman J.E.		1236
2D magneto-optic spatial light modulator for signal processing	Ross W.E., Psaltis D., Anderson R.H.		1237
Generation of the phase-conjugate wavefront from a fourier hologram via wave-mixing in the Bi ₁₂ SiO ₂₀ crystal	Tianji W.		1238
Crosstalk in the one-dimensional controlled transparency on the basis of a transverse effect in electrooptic ceramics	Berezin P.D., Varga P., Zakar Ch., Kish G.	KE 8(1981)2050-2053	1239
Investigation of photorefractive self-pumped phase-conjugate mirrors in the presence of loss and high modulation depth	Millerd J.E., Garmire E.M., Klein M.B.	JOSA B 9(1992)1499-1506	1240
Periodic and chaotic spatiotemporal states in a phase-conjugate resonator using a photorefractive BaTiO ₃ phase-conjugate mirror	Liu S.R., Indebetouw G.	JOSA B 9(1992)1507-1520	1241
Holographic interferometry using -1-order diffraction in photorefraction Bi ₁₂ SiO ₂₀ and Bi ₁₂ TiO ₂₀ crystals	Sochava S.L., Troth R.C., Stepanov S.I.	JOSA B 9(1991)1521-1527	1242

Doublephase-conjugate mirror: experimental investigation and comparison with theory	Bogodaev N.V., Eliseev V.V., Ivleva L.I., Korshunov A.S., Orlov S.S., Polo	JOSA B 9(1992)1493-1498	1243
High beam-coupling gain and deep- and shallow-trap effects in cobalt-doped barium titanate, BaTiO ₃ :Co	Garrett M.H., Chang J.Y., Jenssen H.P., Warde C.	JOSA B 9(1992)1407-1415	1244
Photorefractive properties of SBN:60 systematically doped with rhodium	Vazquez R.A., Neurgaonkar R.R., Ewbank M.D.	JOSA B 9(1992)1416-1427	1245
Temperature dependence of the electron mobility in photorefractive Bi ₁₂ SiO ₂₀	Nouchi P., Partanen J.P., Hellwarth R.W.	JOSA B 9(1992)1428-1431	1246
Holographic image storage in LiNbO ₃ fibers with compensation for intrasignal photorefractive coupling	Ito F., Kitayama K., Oguri H.	JOSA 9(1992)1432-1439	1247
Evolution of phase-conjugate waves in stimulated photorefractive backscattering	Valley G.C.	JOSA B 9(1992)1440-1448	1248
Photorefractive grating formations at large modulation with alternating electric fields	Brost G.A.	JOSA B 9(1992)1454-1460	1249
Enhancement of the photorefractive gain at 1.3-1.5 μm in CdTe using alternating electric fields	Ziari M., Steier W.H., Ranon P.M., Klein M.B., Trivedi S.	JOSA B 9(1992)1461-1466	1250
Perturbative analysis of higher-order photorefractive gratings	Saxena R., Chang T.Y.	JOSA B 9(1992)1467-1472	1251
Diffraction properties of momentum-mismatched gratings in photorefractive media	Gu C., Hong J., Yeh P.	JOSA B 9(1992)1473-1479	1252
Photorefractive effects induced by picosecond light pulses in reduced KNbO ₃	Biaggio I., Zgonik M., Günter P.	JOSA B 9(1992)1480-1487	1253
Two-beam coupling and resonance-time measurements in barium titanate using high-intensity laser pulses	Barry N., Damzen M.J.	JOSA B 9(1992)1488-1492	1254
Dynamic energy transfer and transient fringe dislocations in photorefractive lithium niobate	Maniloff E.S., Johnson K.M., Wagner K.	JOSA B 9(1992)1673-1684	1255
A fast method to measure the voltage characteristics of liquid crystals using Edser-Butler fringes	Love G.D., Major J.V.		1256
Photorefractive effects of BaTiO ₃ single crystals grown in inert atmospheres	Ajimura S., Tomomatsu K., Nakao O., Kurosaka A., Tominaga H., Fukuda O.	JOSA B 9(1992)1609-1613	1257
Temperature dependence of the photorefractive effect in InP:Fe: role of multiple defects	Rana R.S., Nolte D.D., Steldt R., Monberg E.M.	JOSA B 9(1992)1614-1625	1258
Photorefractive quantum wells: transverse Franz-Keldysh geometry	Wang Q., Brubaker R.M., Nolte D.D., Melloch M.R.	JOSA B 9(1992)1626-1641	1259

Two-beam coupling measurements of grating phase in a photorefractive polymer	Walsh C.A., Moerner W.E.	JOSA B 9(1992)1642-1647	1260
Parametric conical scattering of two orthogonally polarized waves in BaTiO ₃	Odoulov S., Sturman B., Holtmann L., Krätzig E.	JOSA B 9(1992)1648-1653	1261
Spatial subharmonic generation in BaTiO ₃	Novikov A., Odoulov S., Jungen R., Tschudi T.	JOSA B 9(1992)1654-1660	1262
Generation of spatial subharmonic gratings through mode mixing in planar waveguides	Popov V., Shandarov E.	JOSA B 9(1992)1661-1665	1263
Comparison of single- and two-species models of electron-hole transport in photorefractive media	Bashaw M.C., Ma T.-P., Barker R.C.	JOSA B 9(1992)1666-1672	1264
Signal-to-pump ratio dependence of buildup and decay rates in photorefractive nonlinear two-beam coupling	Horowitz M., Fischer B.	JOSA B 9(1992)1685-1688	1265
Optical bistability by two-wave mixing in photorefractive crystals	Baraban E.D., Zhang H.-Z., Boyd R.W.	JOSA B 9(1992)1689-1692	1266
Effect of position-dependent time constant on photorefractive two-wave mixing	Dai L.-K., Gu C., Yeh P.	JOSA B 9(1992)1693-1697	1267
Photorefractive two-beam coupling with light of partial spatiotemporal coherence	Cronin-Golomb M., Kong H., Krolikowski W.	JOSA B 9(1992)1698-1703	1268
Intensity dependence of the photogalvanic effect in barium titanate	Cudney R.S., Pierce R.M., Bacher G.D., Mahgerefteh D., Feinberg J.	JOSA B 9(1992)1704-1713	1269
Beam diameter threshold for polarization conversion photoinduced by spatially oscillating bulk photovoltaic currents in LiNbO ₃ :Fe	Wilson D.W., Glytsis E.N., Hartman N.F., Gaylord T.K.	JOSA B 9(1992)1714-1725	1270
Phase conjugation by stimulated photorefractive scattering using a retroreflected seeding beam	Mullen R.A., Vickers D.J., West L., Pepper D.M.	JOSA B 9(1992)1726-1734	1271
Frequency locking in the photorefractive phase-conjugate ring oscillator	Saxena R., Rosker M.J., McMichael I.	JOSA B 9(1992)1735-1743	1272
Studies of the dynamic range of photorefractive gratings in ferroelectric crystals	Chang T.Y., Hong J.H., Vachss F., McGraw R.	JOSA B 9(1992)1744-1751	1273
Cross-Talk and Cross-Coupling in Multiplexed Holographic Gratings	Moharam M.G.	SPIE 1051(1989)143-147	1274
Rotational invariant pattern recognition using photorefractive correlator	Chang Chi-Ching, Tong Yuh-Ping, Yau Hon-Fai	JJ AP 31(1992)43-45	1275
Self-amplified optical pattern-recognition	Liu Hua-Kuang	AO 31(1992)2568-2575	1276
A high-sensitivity PRIZ/image intensifier spatial light modulator	Khomenko A.V., Petrov V.M., Shlyagin M.G., Shalaevskii N.O.	SPIE 1183(1989)309-315	1277

Amplification by beam coupling of the diffraction efficiency of a grating photoinduced in a $F_A(II)KCl:Li$ crystal	May M., Debrus S.	SPIE 1183(1989)297-308	1278
Large viewing angle rainbow hologram by holographic phase conjugation	Cheng F., Chaochuan J., Lurong G.	SPIE 1461(1991)265-269	1279
Space-invariant optical correlator using a photorefractive medium	Kim R.S., Ihm J.T., Son H., Park H.K.	OLT 21(1989)315-318	1280
The transient detection microscope	Cudney R.S., Pierce R.M., Feinberg J.	NAT 332 (1988)424-426	1281
Self-pumped phase conjugation in the red in photorefractive $Ba_{0.5}Sr_{1.5}K_{0.25}Na_{0.75}Nb_5O_{15}$ and $Sr_{10.6}Ba_{0.4}Nb_2O_6$ with cerium in 9-fold coordinated sites	Montgomery S.R., Yarrison-Rice J., Pederson D.O., Salamo G.J., Miller M.J.	JOSA B 5(1988)1775-1782	1282
Measurement of light scattering at 0 by micrometer-size quartz fibers	Padmabandu G.G., Oh Ch., Fry E.S.	OL 17(1992)169-171	1283
Narrow optical bandpass filter via nearly degenerate four-wave mixing	Pepper D. M., Abrams R.L.	OL 3(1978)212-214	1284
High photorefractive sensitivity in an n-type 45-cut $BaTiO_3$ crystal	Garrett M.H., Chang J.Y., Jenssen H.P., Warde C.	OL 17(1992)103-105	1285
Photorefractive intermode space-charge fields in volume holographic interconnections	Beak W.S., Lee H.	JAP 67(1990)1194-1202	1286
Photorefractive properties of $BaTiO_3:Cr$	Hathcock R.S., Temple D.A., Warde C.	IEEE JQE QE23(1987)2122-2125	1287
Electrooptic and piezoelectric measurements in photorefractive Barium Titanate and Strontium Barium Niobate	Ducharme S., Feinberg J., Neurgaonkar R.R.	IEEE JQE QE23(1987)2116-2121	1288
Dynamically programmable self-aligning optical interconnect with fan-out and fan-in using self-pumped phase conjugation	Cronin-Golomb M.	APL 54(1989)2198-2191	1289
Infrared photorefractive passive phase conjugation with $BaTiO_3$: Demonstration with GaAlAs and 1.09- μm Ar^+ lasers	Cronin-Golomb M., Lau K.Y., Yariv A.	APL 47(1985)567-569	1290
Hybrid optoelectronic neutral networks using a mutually pumped phase-conjugate mirror	Dunning G.J., Owechko Y., Soffer B.H.	OL 16(1991)928-930	1291
Mode multiplexing and holographic demultiplexing communication channels on a multimode fiber	Saffman M., Anderson D.Z.	OL 16(1991)300-302	1292

High-gain, low-noise signal beam amplification in photorefractive BaTiO ₃	Joseph J., Pillai P.K.C., Singh K.	AO 30(1991)3315-3318	1293
Photorefractive time-integrating correlator	Hong J.H., Chang T.Y.	OL 16(1991)333-335	1294
Optical novelty filter with phase carrier	Yu F.T.S., Wu S., Rajan S., Mayers A., Gregory D.A.	OC 92(1992)205-208	1295
Vibration analysis using photorefractive two-wave mixing	Xie Ch., Itod M., Kuroda K., Ogura I.	OC 82(1991)544-548	1296
Holographic recording in Cerium doped Strontium Barium niobate a-axis single crystal fiber	Sugiyama Y., Yagi S., Yokohama I., Hatakeyama I.	JAP 31(1992)708-712	1297
Double exposure planar transmission holograms recorded in nonlinear dichromated gelatin	Blair L.T., Solymar L.	AO 30(1991)775-779	1298
Dynamic gratings and four-wave phase conjugation in dye solutions	Kabanov V.V., Rubanov A.S.	IEEE JQE 26(1990)1990-1998	1299
Transient phase conjugation in a two-level system	Nakano H., Sakai J.	IEEE JQE 27(1991)2495-2504	1300
Two-dimensional mapping of temperature in a flame by degenerate four-wave mixing in OH	Ewart P., Kaczmarek M.	AO 30(1991)3996-3999	1301
Phase conjugation by degenerate four-wave mixing in inverted dye solutions	Rouledge P.A., King T.A.	JMO 35(1988)799-805	1302
Instability of spatial subharmonics under hologram recording in a photorefractive crystal	Nestiorkin O.P.	OC 81(1991)315-320	1303
Phase-conjugation and self-oscillation with copropagating cross-polarized beams	Vallet M., Pinard M., Grynberg G.	OC 81(1991)403-407	1304
Theory of amplitude and phase effects in 2-d-two-wave mixing	Notni G., Kowarschik R.	IEEE JQE 27(1991)2193-2200	1305
Nearly degenerate two-wave mixing in saturable absorbers	Zilio S.C., Penaforte J.C., Gouveia E.A., Bell M.J.V.	OC 86(1991)81-87	1306
An electronic Cranz-Schardin camera	Bretthauer B., Meier G.E.A., Stasicki B.	RSI 62(1991)364-368	1307
Two-wave coupling and self-pumped phase conjugation at near infrared wavelengths in BaTiO ₃	Zhang H.Y., He X.H., Shih Y.H.	OC 88(1992)424-430	1308
Optical correlator production system neutral net	Casasent C., Botha E.	AO 31(1992)1030-1040	1309
Processing microscope using phase-conjugate illumination generated by self-pumping in Barium Titanate	Brody P.S., Garvin C.G.	FE 107(1990)9-14	1310
Photorefractive optical holographic correlation using a Bi ₁₂ TiO ₂₀ crystal at $\lambda = 0.633 \mu\text{m}$	Faria S.G., Tagliaferri A.A., dos Santos P.A.M.	OC 86(1991)29-33	1311

Analysis of irregular fluctuations in a self-pumped BaTiO ₃ phase-conjugate mirror	Rauch T., Denz C., Tschudi T.	OC 88(1992)160-166	1312
Nondegenerate photorefractive four-wave mixing without feedback in Bi ₁₂ TiO ₂₀	Ilinykh P.N., Nestiorkin O.P., Zel'dovich B.Y.	OC 86(1991)75-80	1313
Image formation of dilute arrays for optical information processing	Lohmann A.W.	OC 86(1991)365-370	1314
Real-time spatial selective filtering with BSO crystals	Pinzon J.S., Grosz S.I., Zerbino L.M., Bolognini N., Garavaglia M.	Optik 87(1991)83-86	1315
Optical technique for the measurement of turbulent spectra using the photorefractive properties of BaTiO ₃	Albrecht G.F., Robey H.F., Moore T.R.	APL 57(1990)864-866	1316
Effect of shallow traps on electron-hole competition in semi-insulating photorefractive materials	Tayebati P.	JOSA B 9(1992)415-419	1317
Noise limitations of Brillouin two-beam coupling: theory and experiment	Sternklar S., Glick Y., Jackel S.	JOSA B 9(1992)391-396	1318
High reflectivity broadband self-pumped phase conjugator in near-infrared wavelengths	Shih Y.H., He X.H., Zhang H.Y.	APL 61(1992)1910-1911	1319
Optical transfer function and longitudinal image spread of phase conjugation owing to finite frequency bandwidth and finite medium thickness	Okamoto A., Mishima T., Sakuraba I.	JOSA A 9(1992)1285-1288	1320
Anisotropic cross talk in an optical interconnection by using a self-pumped phase-conjugate mirror at the Fourier plane	Chiou A.	OL 17(1992)1018-1020	1321
Coherent-beam amplification and polarization switching in a birefringent medium-photorefractive crystal	Khoo I.-Ch., Liang Y., Li H.	IEEE JQE 28(1992)1816-1824	1322
Bi ₁₂ SiO ₂₀ thin-film spatial light modulator	Nagao Y., Sakata H., Mimura Y.	AO 31(1992)3966-3970	1323
Numerical calculations of two-beam energy coupling gains in photorefractive BaTiO ₃ crystal	Lee Y.H.	IEEE JQE 27(1991)2488-2494	1324
Distortion of phase-conjugation in degenerate four-wave mixing with phase fluctuation of pump and signal	Wilhelmi B.	OC 82(1991)89-93	1325
Preparation and photorefractive properties of barium strontium titanate (Ba _{1-x} Sr _x TiO ₃)	Zhuang J., Li G.-S., Gao X.-C., Guo X.-B., Huang Y.-H., Shi Z.-Z., Weng Y.	OC 82(1991)69-72	1326
Investigations of the characteristics of fixed holograms in Bi ₁₂ TiO ₂₀ photorefractive crystals	Zhivkova S., Miteva M.	OC 86(1991)449-453	1327
Holographic grating formation in poly(spiropyran l-glutamate)	Cooper T.M., Tondiglia V., Natarajan L.V., Shapiro M., Obermeier K., Crane	AO 32(1993)674-677	1328

A method of analyzing holographic interferograms of ballistic models in hypersonic free-flight	Kieffer D.L., Griffith W.C., Tam T.C., Cavolowsky J.A.	(1992)1-10	1329
Phase-conjugate Fizeau-Interferometer for testing optical surfaces	Notni G., Wenke L., Kowarschik R.	(1991)1-4	1330
Optical phase-conjugate studies of organic dyes doped in a boric acid host	Reddy B.R., Venkateswarlu P.	JOSA B 10(1993)438-445	1331
Two-wave mixing in thin nonlinear local-response media: a simple theoretical model	Sanchez F.	JOSA B 9(1992)2196-2205	1332
Holographic interferometry applied to rib-roughness heat transfer in turbulent flow	Lockett J.F., Collins M.W.	IJ HMT 33(1990)2439-2449	1333
Holographic methods for imaging through an inhomogeneity	Leith E.N., Cunha A.	OE 28(1989)574-579	1334
Transient nonlinear optical behavior of fluorescein-doped boric acid glass	Maloney C., Blau W.	JOSA B 9(1992)2225-2229	1335
Phase conjugate Twayman-Green interferometer for testing spherical surfaces and lenses and for measuring refractive indices of liquids or solid transparent materials	Shukla R.P., Dokhanian M., Venkateswarlu P., George M.C.	OC 78(1990)407-415	1336
Spectral relationship of light-induced refractive index and absorption changes in bacteriorhodopsin films containing wildtype BR _{WT} and the variant BR _{D96N}	Zeisel D., Hampp N.	J. Chem. Phys. 96(1992)7788-7792	1337
Optical spectra and kinetics of single impurity molecules in a polymer: spectral diffusion and persistent spectral hole burning	Basche T., Ambrose W.P., Moerner W.E.	JOSA B 9(1992)829-836	1338
Detection and spectroscopy of single pentacene molecules in a p-terphenyl crystal by means of fluorescence excitation	Ambrose W.P., Basche T., Moerner W.E.	J. Chem. Phys. 95(1991)7150-7163	1339
Dynamic holographic interconnects with analog weights in photorefractive crystals	Marrakchi A., Hubbard W.M., Habiby S.F., Patel J.S.	OE 29(1990)215-224	1340
Optical information processing with the double phase conjugate mirror	Sternklar S., Weiss S., Fischer B.	OE 26(1987)423-427	1341
Mirrorless parametric oscillation in BaTiO ₃	Odoulov S., van Olfen U., Krätzig E.	AP B 54(1992)313-316	1342
Novely imaging system with a desired long-time scale using BaTiO ₃ and a controlled shutter sequence	Suzuki T., Sato T.	AO 31(1992)606-612	1343
To the mechanism of Q-switching by phase conjugation using stimulated Brillouin scattering	Brückner V., Heinemann S., Ludwig S.	JMO 40(1993)187-193	1344

Novel configuration of two-wave mixing of laser-diode radiation in cobalt-doped BaTiO ₃	Lambelet P., Glick M., Salathe R.P., Rytz D.	IEEE PTL 4(1992)1041-1043	1345
The use of a ruby laser with interferometers suitable for work in fluid mechanics	Tanner L.H.	Sci. Instr. 44(1967)1015-1017	1346
Electric-field multiplexing / demultiplexing of volume holograms in photorefractive media	Kewitsch A., Segev M., Yariv A.	OL 18(1993)534-536	1347
Analysis of weighted fan-out / fan in volume holographic optical interconnections	Asthana P., Nordin G.P., Tanguay A.R., Jenkins B.K.	AO 32(1993)1441-1469	1348
Photorefractive adaptive resonance neutral network	Wunsch II D.C., Morris D.J., Mc Gann R.L., Caudell T.P.	AO 32(1993)1399-1407	1349
Self-trapping of optical beams in photorefractive media	Crosignani B., Segev M., Engin D., Di Porto P., Yariv A., Salamo G.	JOSA B 10(1993)446-453	1350
Cross-talk noise in photorefractive interconnection	Gu C., Chiou A., Hong J.	AO 32(1993)1437-1440	1351
Real-time coherent image differentiation using a self-pumped conjugator with Cu:KNSBN	Zhang J., Xu H., Yuan Y., Xu K.	AO 32(1993)1470-1472	1352
Simple methods of measuring the net photorefractive phase shift and coupling constant	Hofmeister R., Yariv A., Kewitsch A., Yagi S.	OL 18(1993)488-490	1353
Onset dynamics of self-pumped phase conjugation from speckled noise	Khoo I.C., Beldyugina N., Li H., Mamaev A.V., Shkunov V.V.	OL 18(1993)473-473	1354
Range sensing by shearing interferometry: influence of speckle	Häusler G., Herrmann J.M.	AO 27(1988)4631-4637	1355
Phase visualization using a BaTiO ₃ phase conjugation mirror	Tang Q., Jäger E., Hoßfeld J., Tschudi T.	JMO 38(1991)1415-1419	1356
Fanning effects in photorefractive crystals	Hong Y.-H., Xie P., Dai J.-H., Zhu Y., Yang H.-G., Zhang H.-J.	OL 18(1993)772-774	1357
Two-wave mixing in photorefractive Bi ₁₂ SiO ₂₀ fibers	Kamshilin A.A., Silvennoinen R., Jaaskelainen T., Lima C.J., Andreetta M.R.	OL 18(1993)690-692	1358
Quantum theory of phase-conjugate mirrors	Bochove E.J.	JOSA B 9(1992)266-280	1359
Laser induced transient gratings in bacteriorhodopsin	Kumar G.R., Wategaonkar S.J., Roy M.	OC 98(1993)127-131	1360
Distortion-free multiplexed holography in striated photorefractive media	Aharoni A., Bashaw M.C., Hesselink L.	AO 32(1993)1973-1982	1361
Self-enhanced diffraction from fixed photorefractive gratings during coherent reconstruction	Segev M., Kewitsch A., Yariv A., Rakuljic G.A.	APL 62(1993)907-909	1362
Real-time interferometry with photorefractive reference holograms	Wang X., Magnusson R., Haji-Sheikh A.	AO 32(1993)1983-1986	1363

Fanning and photorefractive self-pumped four-wave mixing geometries	Zozulya A.A.	IEEE JQE 29(1993)538-555	1364
Photorefractive frequency converter and phase-sensitive detector	Khoury J., Ryan V., Cronin-Golomb M.	JOSA B 10(1993)72-82	1365
Two-wave mixing in photorefractive AlGaAs/GaAs quantum wells	Wang Q.N., Nolte D.D., Melloch M.R.	APL 59(1991)256-258	1366
Double grating formation in anisotropic photorefractive crystals	Li H.-Y., Psaltis D.	JAP 71(1992)1394-1400	1367
Speckle metrology with novelty filtering using photorefractive two-beam coupling in BaTiO ₃ crystal	Liu L., Helmers H., Hinsch K.	OC 100(1993)19-23	1368
Forward phase conjugation by three-wave mixing with bacteriorhodopsin	Werner O., Daisy R., Fischer B., Lewis A.	OC 92(1992)108-110	1369
Theory of phase-conjugate oscillators. II	Lee W.-S., Chi S., Yeh P., Saxena R.	JOSA B 8(1991)1421-1427	1370
Speckle-free image amplification by two-wave coupling in a photorefractive crystal	Kawata Y., Kawata S.	AO 32(1993)730-736	1371
Temporal evolution of fanning in photorefractive materials	Segev M., Engin D., Yariv A., Valley G.C.	OL 18(1993)956-958	1372
Dependence of photorefractive beam fanning on beam parameters	Banerjee P.P., Misra R.M.	OC 100(1993)166-172	1373
Steady holographic gratings formed in photorefractive materials: influence of material parameters	Carrascosa M., Cabrera J.M., Agulló-López F.	IEEE JQE 27(1991)509-515	1374
Comparison of two-wave and three-wave forward mixing in Bismuth Silicon Oxide - theory and experiment	Jones D.C., Solymar L.	IEEE JQE 27(1991)121-127	1375
Polarization dependences of degenerate backward four-wave mixing in dye doped boric acid glass	Saha S.K.	OC 92(1992)111-114	1376
Theory of photorefractive phase-conjugate ring oscillators	Gu C., Yeh P.	JOSA B (1991)1428-1432	1377
Beam quality measurements of a unidirectional self-pumped phase conjugate mirror	Liby B.W., McIver J.K., Statman D.	OC 101(1993)79-84	1378
Gray-scale fidelity in volume-multiplexed photorefractive memory	Sasaki H., Fainman Y., Lee S.H.	OL 18(1993)1358-1360	1379
BaTiO ₃ waveguide self-pumped phase conjugator	James S.W., Youden K.E., Jeffrey P.M., Eason R.W.	OL 18(1993)1130-1140	1380
Two mutually incoherent beams coupling by self-pumped phase-conjugation in a KNSBN crystal	Wu X., Hu X.	OC 101(1993)381-384	1381

Polarization state evolution and eigenmode switching in photorefractive BSO	Brignon A., Wagner K.H.	OC 101(1993)239-246	1382
Dynamics of the self-starting generation of a phase-conjugate seminlinear mirror	Bel'dyugina N.I., Mamaev A.V., Shkunov V.V.	AO 32(1993)3962-3965	1383
Improvement of response time with an additional bias beam in a BaTiO ₃ self-pumped phase-conjugate mirror	Suzuki T., Sato T.	AO 32(1993)3959-3961	1384
Programmable image associative memory using an optical disk and a photorefractive crystal	Neifeld M.A., Psaltis D.	AO 32(1993)4398-4409	1385
Nonlinear pulse propagation in a monomode dielectric guide	Kodama Y., Hasegawa A.	IEEE QE 23(1987) 510-524	1386
Experimental observation of adiabatic compression and expansion of soliton pulses over long fiber paths	Smith K., Mollenauer L.F.	OL 14(1987) 751-753	1387
Phase conjugate optics and real-time holography	Yariv A.	IEEE QE 14(1978) 650-660	1388
Observation of the trapping of an optical soliton by adiabatic gain narrowing and its escape	Nakazawa M., Kurokawa K., Kubota H., Yamada E.	PRL 65(1990) 1881-1884	1389
Parallel interconnection through an optical fiber using phase conjugation mirror acceptable for optical data pattern	Fukushima S., Kurokawa T.	IEEE QE 29(1993) 613-618	1390
Theory of the soliton self-frequency shift	Gordon J.P.	OL 11 (1986) 662-664	1391
Discovery of the soliton self-frequency shift	Mitschke F.M., Mollenauer L.F.	OL 11(1986) 659-661	1392
Compensation for channel dispersion by nonlinear optical phase conjugation	Yariv A., Fekete D., Pepper D.M.	OL 4(1979) 52-54	1393
Initial demonstration of a novel broadband optical amplifier using the Kerr effect in an optical fiber	Davison A.S., White I.H.	OL 14 (1989) 802-804	1394
Dynamics of coupled dark and bright optical solitons	Afanasyev V.V., Kivshar Yu.S., Konotop V.V., Serkin V.N.	OL 14(1989) 805-807	1395
Periodic amplification of dark solitons using stimulated Raman scattering	Zhao W., Bourkoff E.	OL 14(1989) 808-810	1396
Soliton switching in a fiber nonlinear loop mirror	Islam M.N., Sunderman E.R., Stolen R.H., Pleibel W., Simpson J.R.	OL 14(1989) 811-813	1397
Experimental demonstration of optical soliton switching in an all-fiber nonlinear Sagnac interferometer	Blow K.J., Doran N.J., Nayar B.K.	OL 14(1989) 754-756	1398
Random walk of coherently amplified solitons in optical fiber transmission	Gordon J.P., Haus H.A.	OL 11(1986) 665-667	1399
cw three-wave mixing in single-mode optical fibers	Hill K.O., Johnson D.C., Kawasaki B.S., MacDonald R.I.	JAP 49(1978) 5098-5106	1400

Simulation of 50GHz transmission over 50km of standard fibre using mid-point spectral inversion for dispersion compensation	Richardson D.J., Laming R.I., Taverner D., Payne D.N.	TuD2 293296	1401
Compensation of chromatic dispersion in a single-mode fiber by optical phase conjugation	Watanabe S., Naito T., Chikama T.	IEEE PTL 5(1993) 92-95	1402
Polarization independent frequency conversion by fiber four-wave mixing with a polarization diversity technique	Hasegawam T., Inoue K., Oda K.	IEEE PTL 5(1993) 947-949	1403
Measurement of fiber nonlinear kerr coefficient by four-wave mixing	Prigent L., Hamaide J.-P.	IEEE PTL 5(1993) 1092-1095	1404
Wavelength conversion experiment using fiber four-wave mixing	Inoue K., Toba H.	IEEE PTL 4(1992) 69-72	1405
Phase-mismatch dependence of efficiency of wave generation through four-wave mixing in a single-mode optical fiber	Shibata N., Braun R.P., Waarts R.G.	IEEE JQE 23(1987) 1205-1210	1406
Four-photon parametric mixing in optical fibers: effect of pump depletion	Chen Y., Snyder A.W.	OL 14(1989) 87-89	1407
Phase-conjugate replay for a-axis strontium barium niobate single-crystal fibers	Bashaw M.C., Aharoni A., Hesselink L.	OL 18(1993) 2059-2061	1408
Double phase conjugation in Bi ₁₂ TiO ₂₀ photorefractive fiber-like crystal	Kamshilin A.A., Ravattinen R., Tuovinen H., Jaaskelainen T.	OC 103(1993) 221-226	1409
Photorefractive effect in annealed proton-exchanged LiTaO ₃ waveguides	Fujiwara T., Cao X.F., Ramaswamy R.V.	IEEE TAC 5(1993) 1062-1064	1410
Holographic interconnects: transverse Bragg waveguides	Gredel H., Zhong W.	OL 18(1993) 1123-1125	1411
Bragg gratings in Ce ³⁺ -doped fibers written by a single excimer pulse	Dong L., Archambault J.L., Reekie L., Russell P.St.J., Payne D.N.	OL 18(1993) 861-863	1412
Diffraction efficiency and selectivity of polarization holographic recording	Nikolova L., Todorov T.	OA 31(1984) 579-588	1413
Fiber-optic white-light interferometry: lead sensitivity considerations	Gauthier R.R., Farahi F., Dahi N.	OL 19(1994) 138-140	1414
x ⁽³⁾ -effects in polymer waveguides	Bräuer A., Bartuch U., Karthe W., Zeisberger M.		1415
Compact mach-zehnder fiber interferometer incorporating photoinduced gratings in elliptical-core fibers	Kanellopoulos S.E., Handerek V.A., Rogers A.J.	OL 18(1993) 1013-1015	1416

Profile measurement of optically rough surfaces by fiber-optic interferometry	Hand D.P., Carolan T.A., Barton J.S., Jones J.D.C.	OL 18(1993) 1361-1363	1417
Nonlinear fiber loop mirror with an inserted half-mirror	Shi Ch.-X.	OL 18(1993) 1195-1197	1418
Complete compensation for the soliton self-frequency shift and third-order dispersion of a fiber	Liu S.-L., Wang W.-Z.	OL 18(1993) 1911-1912	1419
Parametric generation of a spatial subharmonic grating in photorefractive crystals: theory	Nestiorkin O.P., Shershakov Y.P.	JOSA B 10(1993) 1907-1918	1420
Space-charge waves in photorefractive crystals and their parametric excitation	Sturman B.I., Mann M., Otten J., Ringhofer K.H.	JOSA B 10(1993) 1919-1932	1421
Kinky beam paths inside photorefractive crystals	Brown W.P., Valley G.C.	JOSA B 10(1993) 1901-1906	1422
Measurement of the envelope function of the index grating in photorefractive crystals	Okamura H., Kuroda K., Yajima H., Iizuka K., Ithoh M.	OL 18(1993) 1305-1307	1423
Gray-scale fidelity in volume-multiplexed photorefractive memory	Sasaki H., Fainman Y., Lee S.H.	OL 18(1993) 1358-1360	1424
Laser-diode phase-shifting interferometry with a self-pumped phase-conjugate mirror	Ishii Y., Uehira I.	OL 18(1993) 1459-1461	1425
Geometry of a self-pumped passive ring mirror in crystals with strong fanning	Bogodaev N.V., Ivleva L.I., Korshunov A.S., Mamaev A.V., Polozkov N.N., Zo	JOSA B 10(1993) 1054-1059	1426
Energy-transfer measurement and determination of the phase shift between the holographic grating and the fringe pattern in photorefractive materials	Kapoor R., Moghbel M., Venkateswarlu P.	OL 18(1993) 696-698	1427
Fanning effects in photorefractive crystals	Hong Y.-H., Xie P., Dai J.-H., Zhu Y., Yang H.-G., Zhang H.-J.	OL 18(1993) 772-774	1428
Improved model of optical fuzzy associative memory	Zhang S., Lin S., Chen C.	OL 18(1993) 1837-1839	1429
Polarization- and space-encoded parallel optical fuzzy logic processor	Zhou S., Campbell S., Wu W., Yeh P., Liu H.-K.	OL 18(1993) 1831-1833	1430
Fanning and photorefractive self-pumped four-wave mixing geometries	Zozulya A.A.	IEEE QE 29(1993) 538-555	1431
Phase-shifting errors in interferometric tests with high-numerical-aperture reference surfaces	Creath K., Hariharan P.	AO 33(1994) 24-25	1432
Temporal evolution of photorefractive double phase-conjugate mirrors	Segev M., Engin D., Yariv A., Valley G.C.	OL 18(1993) 1828-1830	1433
Bifurcating optical pattern recognition in photorefractive crystals	Liu H.-K.	OL 18(1993) 60-62	1434
High-brightness output from a laser-diode array coupled to a phase-conjugating mirror	MacCormack S., Feinberg J.	OL 18(1993) 211-213	1435

Double phase-conjugate mirror with sixfold gain in photorefractive BaTiO ₃ at near-infrared wavelengths	Ross G.W., Eason R.W.	OL 18(1993) 571-573	1436
Mutually pumped phase conjugator as a moving-object correlator	Anderson R.J., Sharp E.J., Wood G.L., Clark III W.W., Vuong Q., Salamo G.J	OL 18(1993) 986-988	1437
Angle-multiplexed storage of 5000 holograms in lithium niobate	Mok F.H.	OL 18(1993) 915-917	1438
Storage of 2000 holograms in a photochemical hole-burning system	Kohler B., Bernet S., Renn A., Wild U.P.	OL 18(1993) 2144-2146	1439
Phase step measurement and variable step algorithms in phase-shifting interferometry	Farrell C.T., Player M.A.	MST 3(1992) 953-958	1440
Dynamic range compression of images by two-wave mixing in photorefractive materials	Snowbell M., Fischer B.	AO 33(1994) 4480-4486	1441
Reflection-grating self-pumped phase conjugation with optical feedback free of input conditions	Honda T., Matsumoto H.	AO 33(1994) 4475-4479	1442
Multi-colour-pumped oscillator in photorefractive BaTiO ₃	Kaczmarek M., Solymar L., Pun P.	OC 108(1994) 176-184	1443
Photorefractive two-wave mixing between phase-modulated beams	Tei K., Yokota H.	OC 107(1994) 133-136	1444
Unified method for solution of wave equations in photorefractive media	Belic M., Petrovic M.	JOSA B 11(1994) 481-485	1445
Lyapunov exponent analysis of irregular fluctuations in a self-pumped BaTiO ₃ phase-conjugate mirror, establishing transition to chaotic behavior	Jeffrey P.M., Eason R.W.	JOSA B 11(1994) 476-480	1446
Frequency-dependent photorefractive response in the presence of applied ac electric fields	Vachss F.	JOSA B 11(1994) 1045-1058	1447
Light waves at the interface of linear and photorefractive media	Daisy R., Fischer B.	JOSA B 11(1994) 1059-1063	1448
Third-order nonlinear optical response in organic materials: theoretical and experimental aspects	Bredas J.L., Adant C., Tackx P., Persoons A.	Chem.Rev. 94(1994) 243-278	1449
A life-sized physical model of the human cochlea with optical holographic readout	Zhou G., Bintz L., Anderson D.Z., Bright K.E.	JOSA 93(1993) 1516-1523	1450
Tracking-novelty-filtering moire interferometer with a self-pumped conjugator	Fu X., Liu L., Yin Y.	OC 88(1992) 431-436	1451
Electrophotochromic gratings in photorefractive Bi ₁₂ TiO ₂₀ crystals	Kamshilin A.A., Frejlich J., Garcia P.M.	AO 31(1992) 1787-1793	1452

Stable photorefractive square-law conversion using moving grating techniques	Vachss F., Hong J., Campbell S., Cordeiro D.	AO 31(1992) 1783-1786	1453
Seeding and grating phase in mutually pumped phase conjugators	Christian W.R., Saxena R., McMichael I.	JOSA B 9(1992) 108-113	1454
Multigrating competition effects in photorefractive mutually pumped phase conjugation	He Q.B., Yeh P., Gu C., Neurgaonkar R.R.	JOSA B 9(1992) 114-120	1455
Applications of self-processing polymermaterials: pattern recognition by optical correlation	Carre C., Maze S., Refregier P.	OC 106(1994) 29-32	1456
Self-pumped phase conjugation of KLTN crystal	Wei J., Guan Q., Wang J., Yue X., Shao Z., Lui Y.	OC 107(1994) 129-132	1457
Basic transverse dynamics of a photorefractive oscillator	Hennequin D., Dambly L., Dangoisse D., Glorieux P.	JOSA B 11 (1994) 676-684	1458
Recording and erasure kinetics in photorefractive materials at large modulation depths	Serrano E., Lopez V., Carrascosa M., Agulló-Lopez F.	JOSA B 11(1994) 670-675	1459
Orientationally enhanced photorefractive effect in polymers	Moerner W.E., Silence S.M., Hache F., Bjorklund G.C.	JOSA B 11(1994) 320-330	1460
An analytical solution for large modulation effects in photorefractive two-wave couplings	Kwak C.H., Park S.Y., Jeong J.S., Suh H.H., Lee El-H.	OC 105 (1994) 353-358	1461
Nonstationary, band-like spatial patterns of phase conjugate emission generated by a self-pumped BaTiO ₃ phase conjugator	Lin H., Radloff J.L., Dai J.	OC 105(1994) 347-352	1462
Nonlinear holographic associative memories	Owechko Y.	IEEE QE 25(1989) 619-634	1463
Phase conjugate interferometry using a photorefractive crystal-dye film composite	Mohan R.K., Balan S., Narayanan P.S., Subramanian C.K.	OC 106(1994) 84-90	1464
Heterodyne detection of weak optical wavefronts buried in a photorefractive fanning noise	Breugnot S., Defour M., Rajbenbach H., Huignard J.P.	OC 104(1993) 118-122	1465
Real-time parallel optical logic operation using photorefractive two-wave mixing and fringe-shifting techniques	Xu H., Yuan Y., Xu K., Lu Y.	AO 31(1992) 1769-1773	1466
Moving grating and intrinsic electron-hole resonance in two-wave mixing in photorefractive InP:Fe	Mainguet B., Le Guiner F., Picoli G.	OL 15(1990) 938-940	1467
Polarization properties in phase conjugation with Bacteriorhodopsin	Okada Y., Yamaguchi I., Otomo J., Sasabe H.	JJ AP 32(1993) 3828-3832	1468
Real-time optical intensity correlator using photorefractive BSO and a liquid crystal television	Soutar C., Wang Z.Q., Cartwright C.M., Gillespie W.A.	JMO 39(1992) 761-769	1469

The effects of optical activity and absorption on two-wave mixing in $\text{Bi}_{12}\text{SiO}_{20}$	Webb D.J., Solymar L.	OC 83(1991) 287-294	1470
Effect of strong pump depletion on two-beam coupling in photorefractive BaTiO_3 at 442 nm	Joseph J., Kamra K., Singh K., Pillai P.K.C.	JMO 39(1992) 845-852	1471
Holographic microscope for phase imaging	Brody P.S., Garvin C., Gillman A.W., Shentu L.	SPIE 1553(1991) 98-109	1472
Superresolving phase conjugate scanning microscope	Mao C., Johnson K.M., Cathey W.T.	AO 29(1990) 3753-3765	1473
Powerful femtosecond pulse generation by chirped and stretched pulse parametric amplification in BBO crystal	Dubietis A., Jonusauskas G., Piskarskas A.	OC 88(1992) 437-440	1474
Onset of subharmonics generated by forward wave interactions	Webb D.J., Au L.B., Jones D.C., Solymar L.	APL 57(1990) 1602-1604	1475
Observations of spatial subharmonics arising during two-wave mixing in BSO	Webb D.J., Solymar L.	OC 74(1990) 386-388	1476
Spatial harmonics of photorefractive gratings in a barium titanate crystal	Lee Y.H., Hellwarth R.W.	JAP 71(1992) 916-923	1477
Compensation of chromatic dispersion in a single-mode fiber by optical phase conjugation	Watanabe S., Naito T., Chikama T.	IEEE PTL 5(1993) 92-94	1478
Phase dependent forward three wave amplification in photorefractive BSO	Webb D.J., Ringhofer K.H., Solymar L.	EL 27(1991) 889-890	1479
On the measuring accuracy of phase-shifting phase conjugate interferometers	Notni G., Krause A., Schenderlein R., Wenke L.	SPIE Conf. (1994)	1480
Physical origins and general dielectric tensor of photoinduced anisotropy in optical fibers and bulk glasse	Kamal A., Russell P.St.J.	JOSA B 11(1994) 1576-1584	1481
Determination of the refractive index of a bacteriorhodopsin film	Zhang Ch., Song Q.W., Ku Ch.-Y., Gross R.B., Birge R.R.	OL 19(1994) 1409-1411	1482
Liquid crystalline monomers as switchable holographic recording media	Carlen Ch.R., Palmer S., Zhang J., Sponsler M.B.	OC 111(1994) 433-437	1483
Fringe contrast and phase effects in multi-colour holography	Vikram C.S., Witherow W.K., Trolinger J.D.	JMO 41(1994) 1531-1536	1484
Relative contribution of the electric-field-induced third-order effect to second-harmonic generation in poled, doped, amorphous polymers	Dhinojwala A., Wong G.K., Torkelson J.M.	JOSA B 11(1994) 1549-1554	1485
Pulse compression by intracavity degenerate four-wave mixing	Vanherzeele H., Van Eck J.L.	AO 20(1981) 524-525	1486

Bistability and noncommutative behavior of multiple-beam self-pulsing and self-pumping in BaTiO ₃	Eason R.W., Smout A.M.C.	OL 12(1987) 51-53	1487
Analysis of mutually incoherent beam coupling in BaTiO ₃	Smout A.M., Eason R.W.	OL 12(1987) 498-500	1488
Time reversal by an interferometer with coupled phase-conjugate reflectors	Ewbank M.D., Yeh P., Khoshnevisan M., Feinberg J.	OL 10(1985) 282-284	1489
Nanosecond four-wave mixing and holography in BSO crystals	Hermann J.P., Herriau J.P., Huignard J.P.	AO 20(1981) 2173-2174	1490
Photorefractive-index gratings formed by nanosecond optical pulses in BaTiO ₃	Lam L.K., Chang T.Y., Feinberg J., Hellwarth R.W.	OI 6(1981) 475-477	1491
Mode-locked laser oscillation using self-pumped phase-conjugate reflection	Vanherzeele H., Van Eck J.L., Siegmann A.E.,	OL 6(1981) 467-469	1492
Spatial and temporal properties of a continuous-wave phase-conjugate resonator based on the photorefractive crystal BaTiO ₃	Jain R.K., Dunning G.J.	OL 7(1982) 420-422	1493
Beam coupling in undoped GaAs at 1.06 μm using the photorefractive effect	Klein M.B.	OL 9(1984) 350-352	1494
Pulsed amplification of continuous-wave signal fields in photorefractive BaTiO ₃	Vainos N.A., Mailis S., Gower M.C.	APL 60(1992) 1529-1531	1495
Four-wave mixing in semi-insulating InP and GaAs using the photorefractive effect	Glass A.M., Johnson A.M., Olsen D.H., Simpson W., Ballman A.A.	APL 44(1994) 948-950	1496
High-efficiency, high-power difference-frequency generation of 0.9-1.5 μm light in BBO	Ashworth S., Iaconis C., Votava O., Riedle E.	OC 97(1993) 109-114	1497
Exact theory of two-dimensional self-focussing and one-dimensional self-modulation of waves in nonlinear media	Zakharow V.E., Shabat A.-B.	SP JETP 61(1971) 118-134	1498
Method for solving the Korteweg-deVries equation	Gardner C.S., Greene J.M., Kruskal M.D., Miura R.M.	PRL 19(1967) 1095-1097	1499
Hologram indexing in LiNbO ₃ with a tunable pulsed laser source	Woodbury D.A., Rabson T.A., Tittel F.K.	AO 18(1979) 2555-2558	1500
Temporal shaping of optical pulses using beam coupling in a photorefractive crystal	Yao X.S., Feinberg J.	OL 18(1993) 622-624	1501
Femtosecond temporal encoding in barium titanate	Acioli L.H., Ulman M., Ippen E.P., Fujimoto J.G., Kong H., Chen B.S., Cron	OL 16(1984) 1984-1986	1502
Real-time photorefractive hologram phase-shift measurement and self-diffraction effects	Frejlich J.	OC 107(1994) 260-264	1503

Third order nonlinear optical interactions in thin films of poly-p-phenylenebenzobisthiazole polymer investigated by picosecond and subpicosecond degenerate four wave mixing	Narayana D., Swiatkiewicz J., Chopra P., Ghoshal S.K., Prasad P.N.	APL 48(1986) 1187-1189	1504
Third-order nonlinear optical response in organic materials: theoretical and experimental aspects	Bredas J.L., Adant C., Tackx P., Persoons A.	Chem. Rev. 94(1994) 243-278	1505
Noise-immune phase unwrapping algorithm	Huntley J.M.	AO 28(1989) 3268-3270	1506
Temporal phase-unwrapping algorithm for automated interferogram analysis	Huntley J.M., Saldner H.	AO 32(1993) 3047-3052	1507
Analysis of the phase unwrapping algorithm	Itoh K.	AO 21(1982) 2470-2756	1508
Laser beam divergence utilizing a lateral shearing interferometer	Riley M.E., Gusinow M.A.	AO 16(1977) 2753-2756	1509
Real-time measurement of optical thickness by three-channel homodyne interferometry	Greco V., Iemmi C., Ledesma S., Molesini G., Quercioli F.	SPIE 2248	1510
The taste of things to come	Wyatt P.J.	AO 21(1982) 2471-2472	1511
Real-time holographic interferometry using degenerated four-wave mixing in $\text{Bi}_{12}\text{TiO}_{20}$	Kiessling A., Wenke L.	IJOE 8(1993) 617-627	1512
BaTiO_3 waveguide self-pumped phase conjugator	James S.W., Youden K.E., Jeffrey P.M., Eason R.W., Chandler P.J., Zhang L.	OL 18(1993) 1138-1140	1513
Self-pumped phase conjugation and four-wave mixing in 0° - and 45° - cut n-type BaTiO_3 : Co	Garrett M.H., Chang J.Y., Jossen H.P., Warde C.	OL 18(1993) 405-407	1514
Fanning noise reduction in photorefractive amplifiers using incoherent erasures	He Q.B., Yeh P.	AO 33(1994) 283-287	1515
Optical quadratic processor using four-wave mixing in BaTiO_3	Henderson G.N., Walkup J.F., Bochove E.J.	OL 14(1989) 770-772	1516
Diffraction properties of a reflection photorefractive hologram	Zhou H., Zhao F., Yu F.T.S.	AO 33(1994) 4345-4352	1517
Extension of the velocity detection range of a tracking novelty filter that uses LiNbO_3 and strontium barium niobate	Chen A., Fan S., Ding H., Wu C.	AO 33(1994) 2998-3002	1518
Analysis of a ring-laser gyroscope with intracavity phase-conjugate coupling	Dennis M.L., Diels J.-C.M.	AO 33(1994) 1659-1672	1519

Effects of recording-erasure dynamics of storage capacity of a wavelength-multiplexed reflection-type photorefractive hologram	Zhou H., Zhao F., Yu F.T.S.	AO 33(1994) 4339-4344	1520
Transmission of 6 ps linear pulses over 50 km of standart fiber using midpoint spectral inversion to eliminate dispersion	Laming R.I., Richardson D.J., Taverner D., Payne D.N.	IEEE QE 3(1994) 2114-2119	1521
Spectral hole burning and carrier-heating effect on the transient optical nonlinearity of highly carrier-injected semiconductors	Nambu Y., Tomita A.	IEEE QE 30(1994) 1981-1994	1522
Parallel optical image processing with image-logic algebra and a polynomial approach	Bhattachatya P.	AO 33(1994) 6142-6145	1523
Image classification with a chirp-encoded joint transform correlator	Javidi B., Tang Q., Zhang G., Parchekani F.	AO 33(1994) 6219-6227	1524
Spatial phase coding for incoherent optical processors	Tigin D.V., Lavrentev A.A., Gary C.K.	OLT 26(1994) 313-317	1525
An optoelectronic smart detector array for the classification of fingerprints	Ohta J., Sharpe J., Johnson K.	OC 111(1994) 451-458	1526
Pulse-coupled neural nets: translation, rotation, scale, distortion, and intensity signal invariance for images	Johnson J.L.	AO 33(1994) 6239-6253	1527
Generalized perceptron learning rule and its implications for photorefractive neural networks	Cheng C.-J., Yeh P., Hsu K.Y.	JOSA B 11(1994) 1619-1624	1528
Optical angular mapping for pattern recognition using self-pumped phase conjugation	Lee Y.-K.	AO 33(1994) 6228-6234	1529
Submillisecond photorefractive response time of KNbO ₃ : Rb ⁺	Zhang Y., Campell S., Yeh P., Shen D., Ma X., Chen J.	OL 19(1994) 1397-1399	1530
Observation of angularly tilted subharmonic grating in photorefractive bismuth silicon oxide	Pedersen H.C., Johansen P.M.	OL 19(1994) 1418-1420	1531
Comparison between continuous-wave and pulsed photorefraction in barium titanate	Barry N., Duffault L., Troth R., Ramos-Garcia R., Damzen M.J.	JOSA B 11(1994) 1758-1763	1532
Trapping the grating envelpoe in bulk photorefractive media	Jeganathan M., Bashaw M.C., Hesselink L.	OL 19(1994) 1415-1417	1533
Analytical model for grating dynamics in surface-charge-dominated pockels readout optical modulator devices	Smith S.L.,Hesselink L.	JOSA B (1994) 1878-1884	1534
Nonlinear dynamics of single-mode oscillations in photorefractive ring resonators	Jost B.M., Saleh B.E.A.	JOSA B 11(1994) 1864-1871	1535

Cross-talk considerations for angular and phase -encoded multiplexing in volume holography	Bashaw M.C., Heanue J.F., Aharoni A., Walkup J.F., Hesselink L.	JOSA B 11(1994) 1820-1836	1536
Analysis of photorefractive stratified volume holographic optical elements	De Vre R., Hesselink L.	JOSA B 11(1994) 1800-1808	1537
Diffraction from thermally fixed gratings in a photorefractive medium: steady-state and transient analysis	Jeganathan M., Hesselink L.	JOSA B 11(1994) 1791-1799	1538
Photorefractive phase shift induced by hot-electron transport: multiple-quantum-well structures	Wang Q.N., Brubaker R.M., Nolte D.D.	JOSA B 11(1994) 1773-1779	1539
Photorefractive effect in InP: Fe dominated by holes at room temperature: influence of the indirect transitions	Özkul C., Jamet S., Gravey P., Turki K., Bremond G.	JOSA B 11(1994) 1668-1673	1540
Characterization of photorefractive CdTe: V: high two-wave mixing gain with an optimum low-frequency periodic external electric field	Moisan J.-Y., Wolffer N., Moine O., Gravey P., Martel G., Aoudia A., Repka E., Marfaing Y., Triboulet R.	JOSA B 11(1994) 1655-1667	1541
Angular bandwidth for brillouin amplification	Glick Y., Sternklar S.	JOSA B 11(1994) 1539-1543	1542
Optical hyperfine pumping as nonlinear mechanism in degenerate four-wave mixing	Schiffer M., Cruse E., Lange W.	OC 111(1994) 521-525	1543
Contouring by electronic speckle pattern interferometry emplouing divergent dual beam illumination	Zou Y., Pedrini G., Tiziani H.	JMO 41(1994) 1637-1652	1544
Phase recovery in an optical imaging system with diffraction loss	Dong B., Zhuang J., Ersoy O.K.	JMO 41(1994) 1575-1590	1545
Phase conjugation in degenerate four-wave mixing with finite apertures	Bouchal Z., Perina J.	JMO 39(1992) 1365-1380	1546
Theory of degenerate four-wave mixing in anisotropic, optically active photorefractive crystals	Erdmann A., Kowarschik R.	IEEE QE 24(1988) 155-161	1547
Digital logic operations and half-adder in photorefractive material	Shakil-ur-Rehman, Zuairy M.S.	OC 106(1994) 25-28	1548
Cross talk for angle- and wavelength-multiplexed image plane holograms	Curtis K., psaltis D.	OL 19(1994) 1774-1776	1549
Correction of phase and depolarization distortions in a multimode fiber at 1.064 μm with stimulated-Brillouin-scattering phase conjugation	Matthews S.C., Rockwell D.A.	OL 19(1994) 1729-1731	1550
Recovery of the soliton self-frequency shift by optical phase conjugation	Chi S., Wen S.	OL 19(1994) 1705-1707	1551

Fractional Talbot four-level phase-only holograms using ferroelectric liquid-crystal spatial light modulators	Hamam H., de Bougrenet de la Tocnaye J.L.,	OL 19(1994) 1654-1656	1552
Phase conjugation of an optical near field	Bozhevolnyi S.I., Keller O., Smolyaninov I.I.	OL 19(1994) 1601-1603	1553
Highly efficient ultrafast optical Kerr shutters with the use of organic nonlinear materials	Kanbara H., Kobayashi H., Kaino T., Kurihara T., Ooba T., Kubodera K.	JOSA B 11(1994) 2216-2223	1554
Degenerate four-wave mixing in picosecond pulses: study of the temporal shape of the diffracted signal as a function of the material response time	Coic H., Roblin M.L., Gires F., Grousseau R.	JOSA B 11(1994) 2232-2239	1555
Real-time measurement of diffraction efficiency in holographic materials with nonlinear responses	Fima A., Fuentes R., Mateos F., Sastre R., Pineda J., Amat-Guerri F.	JMO 41 (1994) 1867-1873	1556
Fabrication and characterization of a third-order nonlinear organic-polymer composite glass waveguide: a self-phase modulator	Chon J.C., Mickelson A.R.	AO 33(1994) 6935-6941	1557
Phase-conjugate holographic system for high-resolution particle-image velocimetry	Barnhart D.H., Adrian R.J., Papen G.C.	AO 33(1994) 7159-7170	1558
Dynamic self-pumped phase-conjugating mirror based on the bacteriorhodopsin variant D96N	Zeisel D., Hampp N.	OL 19(1994) 1412-1414	1559
Mutually pumped phase-conjugate mirror in a bidirectional ring resonator geometry	Yu W., Krolikowski W., Luther-Davies B.	JOSA B 11(1994) 1872-1877	1560
Holographic double-exposure interferometry in near real time with photorefractive crystals	Dirksen D., von Bally G.	JOSA B 11(1994) 1858-1863	1561
Photorefractive recording in BTO in the near infrared	Odoulov S.G., Shcherbin K.V., Shumeljuk A.N.	JOSA B 11 (1994) 1780-1785	1562
Physical origin of mirrorless parametric in BaTiO ₃	Sturman B.I., Odoulov S.G., van Olfen U., Jäkel G., Schulz R.K., Krätzig E.	JOSA B 11(1994) 1700-1707	1563
Phase sensitivity of parametric gain for a seeded subharmonic in BaTiO ₃	Odoulov S.G., Jungen R., Tschudi T.	JOSA B 11(1994) 1786-1790	1564
Double phase conjugation	Engin D., Segev M., Orlov S., Yariv A., Valley G.C.	JOSA B 11(1994) 1708-1717	1565
Modulation dependence of the photorefractive response with moving gratings: numerical analysis and experiment	Brost G.A., Magde K.M., Larkin J.J., Harris M.T.	JOSA B 11(1994) 1764-1772	1566
Spatial and temporal fidelity of photorefractive image correlators	Meigs A., Saleh B.E.A.	JOSA B 11(1994) 1848-1857	1568
Noise analysis of two-beam coupling in a photorefractive material	Banerjee P.P., Yu H.-L.	JOSA B 11(1994) 1809-1812	1569

Cooperative photorefractive beam fanning in BaSrKNaNb ₅ O ₁₅	Montgomery S.R., Gallagher M.P., Salamo G.J., Sharp E.J., Wood G.L., Neurgaonkar R.R.	JOSA B 11(1994) 1694-1699	1570
Velocimetry of gas flows using degenerate four-wave mixing	Williams R.B., Ewart P., Dreizler A.	OC 19(1994) 1486-1488	1571
Simple autocorrelator for ultraviolet pulse-width measurements based on the nonlinear photoelectric effect	Takagi Y.	AO 33(1994) 6328-6332	1572
Graded-index fibers, Wigner-distribution functions, and the fractional Fourier transform	Mendlovic D., Ozaktas H.M., Lohmann A.W.	AO 33(1994) 6188-6193	1573
Transient analysis of degenerate four-wave mixing with orthogonally polarized pump beams in a saturable Nd: YAG amplifier	Brignon A., Huignard J.-P.	IEEE QE 30(1994) 2203-2210	1574
Nonlinear propagation of high-power, sub-100-fs pulses near the zero-dispersion wavelength of an optical fiber	Yanovsky V.P., Wise F.W.	OL 19(1994) 1547-1549	1575
Fringe-orientation maps and fringe skeleton extraction by the two-dimensional derivative-sign binary method	Yu Q., Andresen K.	AO 33(1994) 6873-6878	1576
High-energy SBS pulse compression	Dane C.B., Neuman W.A., Hackel L.A.	IEEE QE 30(1994) 1907-1915	1577
Anisotropic alignment of a nematic liquid crystal controlled by a polarization sensitive Langmuir-Blodgett command layer	Sekkat Z., Büchel M., Orendi H., Knobloch H., Seki T., Ito S., Koberstein J., Knoll W.	OC 111(1994) 324-330	1578
Holographic contouring by using tunable lasers	George N., Li W.	OL 19(1994) 1879-1881	1579
Upconverting time gate for imaging through highly scattering media	Faris G.W., Banks M.	OL 19(1994) 1813-1815	1580
Optimization of morphological filters by learning	Asano A., Matsumura K., Itoh K., Ichioka Y., Yokozeki S.	OC 112(1994) 265-270	1581
Focusing fan-out elements based on phase-matched Fresnel lenses	Rossi M., Kunz R.E.	OC 112(1994) 258-264	1582
Response measurements of a Fabry-Perot to short pulses	Offrein B.J., Hoekstra H.J.W.M., van Loenen J.P., Driessen A., Popma Th.J.A.	OC 112(1994) 253-257	1583
Multiwavelength, multilevel optical storage using dielectric mirrors	Wullert II J.R., Delfyett P.J.	IEEE PTL 6(1994) 1133-1135	1584
All-optical pulse width and wavelength conversion at 10 Gb/s using a nonlinear optical loop mirror	Rauschenbach K.A., Hall K.L., Livas J.C., Raybon G.	IEEE PTL 6(1994) 1130-1132	1585
An optical scanning technique in a white light interferometric system	Wang D.N., Ning Y.N., Palmer A.W., Grattan K.T.V., Weir K.	IEEE PTL 6(1994) 855-857	1586

Tuning bragg wavelength by writing gratings on prestrained fibers	Zhang Q., Brown D.A., Reinhart L., Morse T.F., Wang J.Q., Xiao G.	IEEE PTL 6(1994) 839-841	1587
Formation dynamics of bragg phase grating in photosensitive optical fibers	Kwak Ch. H., Kim K.H., Jeong J.S., Suh H.H., Lee El-H.	IEEE PTL 6(1994) 836-838	1588
Dynamic phase-encoding storage of 64 images in a BaTiO ₃ photorefractive crystal	Alves C., Pauliat G., Roosen G.	OL 19(1994) 1894-1896	1589
Linear image differentiation by use of analog differential self-electro-optic effect devices	De Souza E.A., Carraresi L., Miller D.A.B.	OL 19(1994) 1882-1884	1590
Fourier-transform method of fringe-pattern analysis for computer-based topography and interferometry	Takeda M., Ina H., Kobayashi S.	JOSA 72(1982) 156-160	1591
Pancharatnam's phase for polarized light	De Vito E., Levrero A.	JMO 41(1994) 2233-2238	1592
White-light phase-stepping interferometry for surface profiling	Hariharan P., Roy M.	JMO 41(1994) 2197-2201	1593
Dynamic four-wave mixing induced by self-pump phase conjugation in Cu: KNSBN crystal	Zhao M., Yamaguchi I.	OC 112(1994) 163-168	1594
Photorefractive two-beam-coupling nonlinear joint-transform correlator	Khoury J., Cronin-Golomb M., Gianino P., Woods Ch.	JOSA B 11(1994) 2167-2174	1595
Transient modeling of pulsed phase conjugation experiments in a saturable Nd: YAG amplifier	Syed K.S., Green R.P.M., Crofts G.J., Damzen M.J.	OC 112(1994) 175-180	1596
Observation of orientational photorefractive effects in nematic liquid crystals	Khoo I.C., Li H., Liang Y.	OL 19(1994) 1723-1725	1597
Order-selective Raman conversion by dual-wavelength-pumped four-wave mixing	Nakata T., Yamada T., Kannari F.	JOSA B 11(1994) 2182-2192	1598
Compression, self-bending, and collapse of Gaussian beams in photorefractive crystals	Christodoulides D.N., Carvalho M.I.	OL 19(1994) 1714-1716	1599
Photorefractive response time measurement in GaAs crystal by phase modulation in two-wave mixing	Bian S., Frejlich J.	OL 19(1994) 1702-1704	1600
Imaging of coherent fields through lenslike systems	Yariv A.	OL 19(1994) 1607-1608	1601
Phase-coding technique for one-way image transmission through aberrating media	Khoury J., Fu J., Woods Ch.L.	OL 19(1994) 1645-1647	1602
Synthetic-array heterodyne detection: a single-element detector acts as an array	Strauss Ch.E.M.	OL 19(1994) 1609-1611	1603
Diffusion model of hologram formation in dry photopolymer materials	Zhao G., Mouroulis P.	JMO 41(1994) 1929-1939	1604
The birth of a phase-cat	Schaufler S., Freyberger M., Schleich W.P.	JMO 41(1994) 1765-1779	1605

Design of highly efficient four-wave mixing devices using optical fibers	Kikuchi K., Lorattanasane Ch.	IEEE PTL 6(1994) 992-994	1606
Determination of the phase change on reflection from two-beam interference	Biegen J.F.	OL 19(1994) 1690-1692	1607
Antiresonant ring interferometric nonlinear spectroscopy for nonlinear-optical measurements	Lee H.W.H., Hughes R.S.	OL 19(1994) 1708-1710	1608
Optical switching in Lambda/4-shifted nonlinear periodic structures	Radic S., George N., Agrawal G.P.	OL 19(1994) 1789-1790	1609
Signal switching by a control beam in a nonlinear coupler	Samir W., Pask C., Garth S.J.	JOSA B 11(1994) 2193-2205	1610
Integrated polarization-optical logic processor	Peng H., Liu L., Yin Y., Wang Z.	OC 112(1994) 131-135	1611
Transient behavior in absorptive optical bistability by the Hamilton-Jacobi method	Sarkar S., Satchell J.S.	PR A 33(1986) 2517-2524	1612
Observation of beating between cw lasers by time-delayed laser-induced double gratings mediated by photorefractive effect	Ding X., Zhang Z., Jiang Q., Mi X., Yu Z., Fu P., Shen D., Ma X.	OC 112(1994) 55-58	1613
Highly efficient self-pumped phase conjugation in barium titanate crystals	Zhang Z., Zhang Y., Yang C., Kang J., Zheng S., Zhu Y., Chen Y., Wu X., Fu P.	JOSA B 11(1994) 1992-1995	1614
Exact solution of the Bragg-diffraction problem in sillenites	Sturmann B.I., Webb D.J., Kowarschik R., Shamonina E., Ringhofer K.H.	JOSA B 11(1994) 1813-1819	1615
Two-wave mixing with externally applied magnetic field and faraday effect on photorefractive medium	Johanson P.M.B.	IEEE JQE 30(1994) 1916-1923	1616
Blue-light-infrared absorption in KNbO ₃	Mabuchi H., Polzik E S., Kimble H.J.	JOSA B 11(1994) 2023-2029	1617
Phase conjugate Twyman-Green interferometer for testing spherical surfaces and lenses and for measuring refractive indices of liquids or solid transparent materials	Shukla R.P., Dokhanian M., Venkateswarlu P., George M.C.	OC 78(1990) 407-415	1618
Holographic recording of complex images by double phase conjugation in Bi ₁₂ TiO ₂₀ fiberlike crystal	Kamshilin A.A., Liu S., Tuovinen H., Prokofiev V.V., Jaaskelainen T.	OL 19(1994) 907-909	1619
Laser microscope using phase-conjugate reconstruction from a photorefractive hologram	Brody P.S., Garvin C., Gillman A.W., Shentu L.	SPIE 1319(1990) 468-469	1620
The optics of ferroelectric liquid crystals	Elston S.J.	JMO 42(1995) 19-56	1621
Subfeature speckle interferometry	Burckel D., Zaidi S.H., Frauenglass A., Lang M., Brueck S.R.J.	OL 20(1995) 315-317	1622
Light-induced dark decay and sublinear intensity dependence of the response time in cobalt-doped barium titanate	Chang J.Y., Garrett M.H., Tayebati P., Jenssen H.P., Warde C.	JOSA B 12(1995) 248-254	1623

Spatial frequency filtering in holographic image reconstruction	Bolognini N., Arizmendi L., Solymar L.	AO 34(1995) 243-248	1624
Real-time image processing with a cat conjugator	Sreedhar P.R., Sirohi R.S.	AO 34(1995) 333-337	1625
Photorefractive two-beam coupling optimal thresholding filter for additive signal-dependent noise reduction	Fu J., Khoury J., Cronin-Golomb M., Woods Ch.L.	AO 34(1995) 346-351	1626
General classes of double phase conjugation	Sternklar S.	OL 20(1995) 249-251	1627
Excited-state enhancement of the third-order nonlinear optical susceptibility of nonether polyphenylquinoxaline	Yan J., Wu J., Zhu H., Zhang X., Sun D., Hu Y., Li F., Sun M.	OL 20(1995) 255-257	1628
Origin and elimination of dynamic instability in a self-pumped phase-conjugate mirror	Zheng Y., Sasaki A., Gao X., Aoyama H.	OI 20(1995) 267-269	1629
Optical restoration of photorefractive holograms through self-enhanced diffraction	Campbell S., Yeh P., Gu C., Lin S.H., Cheng Ch.-J., Hsu K.Y.	OL 20(1995) 330-332	1630
Continuous-wave laser beam fanning in organic solutions: a novel phenomenon	Abdeldayem H., Witherow W.K., Shields A., Penn B., Frazier D.O., Moghbel M., Venkateswarlu P., Sekhar P.Ch., George M.C.	OL 19(1994) 2068-2070	1631
Real-time pattern recognition system based on a bipolar winner-take-all model with a threshold	Shen J.-Y., Ding T.-Y., Zhang Y.-X., Mu G.-G.	OL 19(1994) 2158-2160	1632
A simple method for the determination of the intensity and phase of ultrashort optical pulses	Prade B.S., Schins J.M., Nibbering E.T.J., Franco M.A., Mysyrowicz A.	OC 113(1994) 79-84	1633
Mesurement of the spatio-temporal response of photorefractive conjugation	meigs A.D., Saleh B.E.A.	OC 115(1995) 121-128	1634
Nitroprussides, a new group of materials for holographic information storage on the basis of metastable electronic states	Hausstühl S., Schetter G., Woike Th.	OC 114(1995) 219-222	1635
Nonlinear optical responses of strontium barium niobate	Holmstrom S.A., Taheri B., Reeves R.J., Powell R.C., Sharp E.J., Neurogankar R.R.	OC 114(1995) 413-420	1636
Characteristics of crystallographic gratings	Sarathy J., Diaz D.C., Hartin O.L., Campbell J.C.	OL 20(1995) 228-230	1637
Experimental demonstration of swept-carrier time-domain optical memory	Lin H., Wang T., Wilson G.A., Mossberg T.W.	OL 20(1995) 91-93	1638
Simple coherence measurement with a modified Lau interferometer	Lohmann A.W., Ojeda-Castaneda J., Ibarra J.	OL 20(1995) 321-323	1639
Imaging in diffuse media with ultrafast degenerate optical parametric amplification	Watson J., Georges P., Lepine Th., Alonzi B., Brun A.	OL 20(1995) 231-233	1640
Heterodyne nondegenerate pump-probe measurement technique for guided-wave devices	Sun C.-K., Golubovic B., Fujimoto J.G., Choi H.K., Wang C.A.	OL 20(1995) 210-212	1641

Transient photocurrents in photoconductive semiconductors generated by step-phase modulations	Davidson F., Wang C.C., Trivedi S.	OL 20(1995) 175-177	1642
Four-wavelength Bragg mirror using GaAs/AlAs	Anselm K.A., Murtaza S.S., Campbell J.C., Streetman B.G.	OL 20(1995) 178-179	1643
Single-shot measurement of the amplitude and phase of ultrashort laser pulses in the violet	Clement T.S., Taylor A.J., Kane D.J.	OL 20(1995) 70-72	1644
Frequency-domain interferometer for measuring the phase and amplitude of a femtosecond pulse probing a laser-produced plasma	Geindre J.P., Audebert P., Rousse A., Fallies F., Gauthier J.C., Mysyrowicz A., DosSantos A., Hamoniaux G., Antonetti A.	OL 19(1994) 1997-1999	1645
Attometer resolution of wavelength shifts by use of fiber modal interferometers	Bhatia V., Murphy K.A., Wang A., Claus R.O., Greene J.A.	OL 20(1995) 97-99	1646
Multiobject recognition in a multichannel joint-transform correlator	Feng J.H., Chin G.F., Wu M.X., Yan S.H., Yan Y.B.	OL 20(1995) 82-84	1647
Two-mode fiber-optic time-delay scanner for white-light interferometry	Sinha P.G., Kolltveit E., Bløtekjær K.	OL 20(1995) 94-96	1648
Optimization of the field of view of a Brillouin-enhanced four-wave-mixing phase conjugator	Ackermann J.R., Lebow P.S.	OL 19(1994) 2015-2017	1649
Low-intensity degenerate four-wave mixing at the cesium D1 resonance in thin cells	Glassner D.S., Ai B., Knize R.J.	OL 19(1994) 2071-2073	1650
Two-wave mixing of focused Gaussian beams in photorefractive waveguides	Fluck D., Weiss J.A., Brülisauer S., Günter P.	OL 19(1994) 2080-2082	1651
Method for the measurement of the modulation transfer function of sampled imaging systems from bar-target patterns	Sitter D.N., Goddard J.S., Ferrell R.K.	AO 34(1995) 746-751	1652
Double phase-conjugate mirror: convection and diffraction	Zozulya A.A., Saffman M., Anderson D.Z.	JOSA B 12(1995) 255-264	1653
Wave-front sensing by pseudo-phase-conjugate interferometry	Baharav Y., Spektor B., Shamir J., Crowe D.G., Rhodes W.	AO 34(1995) 108-113	1654
Incoherent optical image processing with acousto-optical pupil-plane filtering	Athale R.A., van der Gracht J., Prather D.W., Mait J.N.	AO 34(1995) 276-280	1655
Rank-order and morphological enhancement of image details with an optoelectronic processor	Szoplik T., Garcia J., Ferreira C.	AO 34(1995) 267-275	1656
Composite harmonic filters for scale-, projection-, and shift-invariant pattern recognition	Mendlovic D., Zalevsky Z., Kiryushev I., Lebreton G.	AO 34(1995) 310-316	1657
Fractional correlation	Mendlovic D., Ozaktas H.M., Lohmann A.W.	AO 34(1995) 303-309	1658

Contradirectional two-beam coupling in absorptive photorefractive materials: application to Rh-doped strontium barium niobate (SBN:60)	Ewbank M.D., Vazquez R.A., Neurgaonkar R.R., Vachss F.	JOSA B 12(1995) 87-98	1659
Infrared degenerate four-wave spectroscopy of polyatomic molecules: CH ₄ and C ₂ H ₂	Germann G.J., Farrow R.L., Rakestraw D.J.	JOSA B 12(1995) 25-32	1660
Resonant optical phase conjugation in laser plasmas	Lahiri J., Sinha B.K.	OC 113(1995) 407-412	1661
Pump-probe propagation in a passive Kerr nonlinear optical medium	Spencer P.S., Shore K.A.	JOSA B 12(1995) 67-71	1662
Stimulated Rayleigh-wing scattering with two-beam coupling in CS ₂	Dorkenoo K.D., Wang D., Xuan N.P., Lecoq J.P., Chevalier R., Rivoire G.	JOSA B 12(1995) 37-42	1663
Phase conjugation by cascaded second-order nonlinear-optical processes	Unsbo P.	JOSA B 12(1995) 43-48	1664
Phase distortions in sum- and difference-frequency mixing in crystals	Smith A.V., Bowers M.S.	JOSA B 12(1995) 49-57	1665
Phase-matched gratings for enhanced forward degenerate four-wave mixing	Giorgetti E., Lambkin P., Li Q., Palchetti L., Sottini S., Grando D., Blau W.	JOSA B 12(1995) 58-66	1666
Photorefractive properties of Ce: BaTiO ₃ crystals	Yang C., Zhang Y., Yeh P., Zhu Y., Wu X.	OC 113(1995) 416-420	1667
Anomalous photorefractive response in two-beam coupling with focussed beams in photorefractive crystals and waveguides	Kaczmarek M., Eason R.W.	OC 113(1995) 550-558	1668
Pulsed and cw confocal microscopy: a comparison of resolution and contrast	Hell S.W., Hänninen P.E., Salo J., Kuusisto A., Soini E., Wilson T., Tan J.B.	OC 113(1995) 144-152	1669
Error propagation in a closed-loop adaptive optics system: a comparison between Shack-Hartmann and curvature wave-front sensors	Roddier F.	OC 113(1995) 357-359	1670
Optical optimization of binary phase fan-out elements	Weible K.J., Herzig H.P.	OC 113(1995) 9-14	1671
Digital associative memory neural network with optical learning capability	Watanabe M., Ohtsubo J.	OC 113(1995) 31-38	1672
Neural learning algorithm for halftoning	Tuttaß T., Bryngdahl O.	OC 113(1995) 360-364	1673
Dynamic white light holography using an optically addressed multiple quantum well spatial light modulator	Adler C.L., Rabinovich W.S., Bowman S.R., Feldman B.J., Katzer D.S., Kyono C.S.	OC 114(1995) 375-380	1674
Fidelity of image restoration by partial phase conjugation through multimode fibers	Campbell S., Yeh P., Gu C., He Q.B.	OC 114(1995) 50-56	1675
Three-dimensional degenerate multiwave mixing and optical storage effects in C ₆₀ Langmuir-Blodgett films	Zhang X., Ye X., Chen K.	OC 113(1995) 519-522	1676

Amplification and shaping of short optical pulses in multilevel resonant medium	Christov I.P.	OC 113(1995) 530-534	1677
Whole-beam method analysis of photorefractive effect in correlators	Daniel O., Stelmach A., Jonathan J.-M. C., Roosen G.	OC 113(1995) 559-567	1678
Bi-imaginary number system for optical complex calculation	Li G., Liu L.	OC 113(1995) 25-30	1679
Negabinary encoding for optical complex matrix operation	Li G., Liu L.	OC 113(1995) 15-19	1680
An alternative to computing grey-scale mathematical morphological operations and its optical implementation	Liang F., Liu L., Wang B., Wang Z.	OC 113(1995) 20-24	1681
Scattered light enhancement near a phase conjugating mirror	Bozhevolnyi S.I., Keller O., Smolyaninov I.I.	OC 115(1995) 115-120	1682
Chirp in forward stimulated Brillouin quasi-solitons	Teichmann J., Brabant D.	OC 114(1995) 309-314	1683
Pulse self-switching in optical fiber Bragg gratings	Wabnitz S.	OC 114(1995) 170-180	1684
Spatial light modulator based on the control of the wavefront curvature	Vdovin G.	OC 115(1995) 170-178	1685
A novel approach to solving the nonlinear Schrödinger equation by the coupled amplitude-phase formulation	Du M., Chan A.K., Chui C.K.	IEEE JQE 31(1995) 177-182	1686
Investigation of the time behaviour of different self-pumped phase-conjugating mirrors for the application in interferometric systems	Krause A., Notni G., Wenke L.	OM 4(1995) 386-391	1687
Phase-shifted fiber bragg gratings and their application for wavelength demultiplexing	Agrawal G.P., Radic S.	IEEE PTL 6(1995) 995-997	1688
Optische Echtzeit-Neuigkeitsfilterung mittels photorefraktiver Strahlkopplung	Sedlatschek M., Rauch T., Denz C., Tschudi T.	DGaO 94	1689
Photoconductivity and grating response time of a photorefractive polymer	Jones B.E., Ducharme S., Liphardt M., Goonesekera A.	JOSA B 11(1994) 1064-1072	1690
Increase of light-beam coherence by two-wave mixing in photorefractive crystals	Bogodaev N.V., Ivleva L.I., Korshunov A.S.	JOSA B 10(1993) 2287-2289	1691
Nonlinear optical responses of C60-toluene solution	Yang L., Dorsinville R., Alfano R.	Chem. PL 226(1994) 605-609	1692
Real-time holographic image correction using bacteriorhodopsin	Downie J.D.	AO 33(1994) 4353-4357	1693
Laser ablation of nonlinear-optical polymers to define low-loss optical channel waveguides	Chon J.C., Comita P.B.	OL 19(1994) 1840-1842	1694
Optical trap activation in a photorefractive polymer	Silence S.M., Bjorklund G.C., Moerner W.E.	OL 19(1994) 1822-1824	1695

The intensity-dependent refractive index of chemically enhanced bacteriorhodopsin	Wang Song Q., Zang C., Gross R.B., Birge R.R.	OC 112(1994) 296-301	1696
Interferometric tomography for flow visualization of density fields in supersonic jets and convective flow	Söllner C., Wenskus R., Middendorf P., Meier G.E.A., Obermeier F.	AO 33(1994) 2921-2932	1697
Third-order nonlinear optical response in organic materials: theoretical and experimental aspects	Brédas J.L., Adant C., Tackx P., Persoons A.	Chem. Rev. 94(1994) 243-278	1698
Vector phase conjugation by degenerate four-wave mixing in a nematic liquid crystal film	Ye V., Wang P.-Y., Dai J.-H., Zhang H.-J.	OC 104(1993) 129-131	1699
Verification of the standard model of the photorefractive nonlinearity in BSO crystals	Webb D.J., Kießling A., Sturman B.I., Shamonina E., Ringhofer K.H.,	OC 108(1994) 31-36	1700
New method for compensating and measuring any motion of three-dimensional objects in holographic interferometry	Stimpfling A., Smigielski P.	OE 24(1985) 821-823	1701
Incoherent-only joint-transform correlator	Nomura T., Yoshimura Y., Itoh K., Ichioka Y.	AO 34(1995) 1420-1425	1702
Holographic recording and light amplification in doped polymer film	Xu J., Zhang G., Wu Q., Liang Y., Liu S., Sun Q., Chen X., Shen Y.	OL 20(1995) 504-506	1703
Investigation of aberration measurement in confocal microscopy	Zhou H., Gu M., Sheppard C.J.R.	JMO 42(1995) 627-638	1704
Measurement of strains in turbine blades vibrating at resonance using electro-optic holography	Bhat G.K.	JMO 42(1995) 667-677	1705
Synthesis and spectroscopical characterization of some poly(vinyl alcohol)s with alkoxyazobenecarbonyl substituents	Janietz D., Bauer M.	MMC 192(1991) 2635-2640	1706
Conjugate solitons in amplified optical fibre transmission systems	Forysiak W., Doran N.J.	EL 30(1994) 154-155	1707
Double phase-conjugate mirror: oscillation and amplification properties	Korneev N.A., Sochava S.L.	OC 115(1995) 539-544	1708
Holographic counterfeit protection	Chesak C.E.	OC 115(1995) 429-436	1709
Spatial solitons in photorefractive crystals with local mechanism of nonlinearity	Iturbe Castillo M.D., Márquez Aguilar P.A., u.a.	CLEO/EQEC 94 244-247	1710
Simulation of 50 GHz transmission over 50 km of standard fibre using mid-point spectral inversion for dispersion compensation	Richardson D.J., Laming R.I., u.a.	CLEO/EQEC 94 293-296	1711
How to increase capacity beyond 200 Tbit/s x km without solitons	Kurtzke C., Gnauck A.	CLEO/EQEC 94	1712

Spatial solitons in planar waveguides	Aitchison J.S.	CLEO/EQEC 94 2- 5	1713
Experimental measurement of multiple brillouin stokes order in a fibre amplifier under pulsed excitation	Wait P.C., Newson T.P., Pannell C.N., Russell P.St.J.	CLEO/EQEC 94 32- 35	1714
Stable trains of brillouin solitons generated by a cw-pumped fiber ring laser	Montes C., Botineau J., u.a.	CLEO/EQEC 94 36- 39	1715
Pattern and spatio-temporal complexity stimulated brillouin scattering in multi-mode optical fibre	Harrison R.G., Lim D.S., Lu W., Yu D.J.	CLEO/EQEC 94 40- 43	1716
Direct observation of picosecond pulse chirps influenced by copropagating stimulated Raman scattering signal in optical fiber	Emplit Ph., Hamaide J.-P.	CLEO/EQEC 94 44- 47	1717
Low.latency soliton logic gate in a rapidly amplifying fiber	Barnett B., Islam M.N.	CLEO/EQEC 94 50- 53	1718
Generation of cw fundamental soliton train using multisoliton pulse compression in a varying dispersion fiber	Shipulin A.V., fursa D.G., Golovchenko E.A., Dianov E.M.	CLEO/EQEC 94 54- 57	1719
Novel soliton states and bifurcation phenomena in nonlinear fibre couplers	Akhmediev N., Ankiewicz A.	CLEO/EQEC 94 69- 72	1720
The third order nonlinearity - a factor limiting high SH efficiency in optical fibers	Zhao Y., Town G., Sceats M.	CLEO/EQEC 94 84- 87	1721
Measurement of a fast nonlinear refractive index coefficient in an Er-doped fiber induced by a 527-nm pumping	Lee H.K., Kim K.H., Park S.Y.	CLEO/EQEC 94 88- 91	1722
Brillouin gain spectrum measurements using a single laser source	Niklès M., Thévenaz L., Robert P.	CLEO/EQEC 94 92- 95	1723
Nonlinear propagation of partially polarized light in optical waveguides	Svirko Y.P., Zheludev N.I.	CLEO/EQEC 94 100-103	1724
All single-mode synchronously mode locked erbium-ytterbium fiber laser pumped with a Nd: YAG laser	Stock M.L., Yang L.-M., Andrejco M.J., Fermann M.E.	CLEO/EQEC 94 104-107	1725
Properties of input nonlinear grating couplers	Yokota M.	CLEO/EQEC 94 112-115	1726
443 nm blue cerenkov SHG in a pNAn-PVA waveguide	Kinoshita T., Tsuchiya K., Sasaki K.	CLEO/EQEC 94 131-134	1727
Acoustic effect and the polarization of adjacent bits in soliton communication lines	Golovchenko E.A., Pilipetskii A.N.	CLEO/EQEC 94 162-165	1728
Ultrahigh-speed optical soliton communication and soliton transmission control	Nakazawa M.	CLEO/EQEC 94 158-161	1729

Theoretical analysis of soliton transmission with sliding filters	Kodama Y., Wabnitz S., Romagnoli M., Midrio M.	CLEO/EQEC 94 166-169	1730
Stepwise dispersion profiling of periodically amplified soliton systems	Forysiak W., Doran N.J.	CLEO/EQEC 94 170-173	1731
Separation of signal from noise in soliton transmission	Hasegawa A., Yano T., Kodama Y.	CLEO/EQEC 94 174-177	1732
Interpretation of the effect of reduction of soliton interaction by bandwidth limited amplification	Afanasjev V.V.	CLEO/EQEC 94 192-195	1733
Pulse-to-pulse frequency jitter in diode lasers and soliton transmission	Mirasso C.R., Pesquera L., Mecozzi A.	CLEO/EQEC 94 196-199	1734
A split-step finite element scheme for spatio-temporal analysis of pulse propagation in nonlinear waveguides	Buah P.A., Rahman B.M.A., Grattan K.T.V.	CLEO/EQEC 94 208-211	1735
Self-guided waves-bright and dark	Poladian L.	CLEO/EQEC 94 212-215	1736
Calculations of femtosecond temporal solitons and spatial solitons using the vector Maxwell's equations	Goorjian P.M., Joseph R.M., Taflove A.	CLEO/EQEC 94 228-231	1737
Interaction of vector solitons	Afanasjev V.V., Serkin V.N.	CLEO/EQEC 94 232-235	1738
Blue self-frequency shift of femtosecond optical solitons	Serkin V.N., Vysloukh V.A.-	CLEO/EQEC 94 236-239	1739
Soliton-like pulses governed by fourth order dispersion in optical fibers	Karlsson M., Höök A.	CLEO/EQEC 94 240-243	1740
Electronic nonlinear optical behavior of a polymer waveguide	Crook R.J., Cotter N.P.K., Sambles J.R.	CLEO/EQEC 94 273-275	1741
Switching and optical bistability with counter propagating waves in nonlinear bragg waveguides	Peschel T., Peschel U., Lederer F.	CLEO/EQEC 94 281-284	1742
Passive modelocking in fiber lasers	Menyuk C.R.	CLEO/EQEC 94 318-320	1743
Real-time digital control of optical interferometers by the mechanical- modulation technique	Barone F., DeRosa R., DiFiore L., Fusco F., u.a.	AO 33(1994) 7846-7856	1744
Optical implementation of a translation-invariant second-order neural network for multiple-pattern classification	Kakizaki S., Horan P., Arimoto A., u.a.	AO 33(1994) 8270-8280	1745
Morphological and wavelet transforms for object detection and image processing	Ye A., Casasent D.	AO 33(1994) 8226-8239	1746
Effect of the modulation transfer function of a digital image-acquisition device on phase-measuring profilometry	Zhou X., Su X.-Y.	AO 33(1994) 8210- 8215	1747

Fourier-transform speckle profilometry: three-dimensional shape measurements of diffuse objects with large height steps and / or spatially isolated surfaces	Takeda M., Yamamoto H.	AO 33(1994) 7829-7837	1748
Optical remote sensing of surface roughness through the turbulent atmosphere	Holmes J.F., Peacock J.S., Draper D.C.	AO 33(1994) 7770-7776	1749
Noise reduction in adaptive-optics imagery with the use of support constraints	Matson C.L., Roggemann M.C.	AO 34(1995) 767-780	1750
Motion-sensitive position sensor using bacteriorhodopsin	Fukuzawa K.	AO 33(1994) 7489-7495	1751
Numerical correction of reference phases in phase-shifting interferometry by iterative least-squares fitting	Han G.-S., Kim S.-W.	AO 33(1994) 7321-7325	1752
Phase extraction from electronic speckle pattern interferometry addition fringes	Moore A.J., Tyrer J.R., Santoyo F.M.	AO 33(1994) 7312-7320	1753
Oblique incidence and observation electronic speckle-pattern interferometry	Joenathan C., Franze B., Tiziani H.J.	AO 33(1994) 7307-7311	1754
Geometric theory of the ellipsoidal grating	Namioka T., Koike M., Content D.	AO 33(1994) 7261-7274	1755
Digital optical computing with magneto-optic spatial light modulators: a new and efficient multiplication algorithm	Wu Y.-D., Shen D.-S., Bykovsky V.K., Rosetti J., Fiddy M.A.	AO 33(1994) 7572-7578	1756
Chirp filtering in the fractional fourier domain	Dorsch R.G., Lohmann A.W., Bitran Y., Mendlovic D., Ozaktas H.M.	AO 33(1994) 7599-7602	1757
Toward a free-space parallel optoelectronic computer: a 300-MHz optoelectronic counter using holographic interconnects	Heuring V.P., Ji L.H., Feuerstein R.J., Morozov V.N.	AO 33(1994) 7579-7587	1758
Optical bistability and differential amplification in nonlinear fiber resonators	Capmany J., Fraile-Peláez F.J., Muriel M.	IEEE JQE 30(1994) 2578-2588	1759
Optimized multiwavelength combination sources for interferometric use	Wang D.N., Ning Y.N., Grattan K.T.V., Palmer A.W., Weir K.	AO 33(1994) 7326-7333	1760
High-speed noncontact profiler based on scanning white-light interferometry	Deck L., deGroot P.	AO 33(1994) 7334-7338	1761
Polynomial fitting of interferograms with Gaussian errors on fringe coordinates.I: Computer simulations	Cordero-Dávila A., Cornejo-Rodríguez A., Cardona-Nuñez O.	AO 33(1994) 7339-7342	1762
Polynomial fitting of interferograms with Gaussian errors on the fringe coordinates. II: Analytical study	Cordero-Dávila A., Cornejo-Rodríguez A., Cardona-Nuñez O., Díaz-Urbe R.	AO 33(1994) 7343-7349	1763

Digitaloptical computing with magneto-optic spatial light modulators: a new and efficient multiplication algorithm	Wu Y.-D., Shen D.-S., Bykovsky V.K., Rosetti J., Fiddy M.A.	AO 33(1994) 7572-7578	1764
Fractional fourier transform: simulations and experimental results	Britan Y., Mendlovic D., Dorsch R.G., Lohmann A.W.	AO 34(1995) 1329-1332	1765
Chirp filtering in the fractional Fourier domain	Dorsch R.G., Lohmann A.W., Bitran Y., Mendlovic D.	AO 33(1994) 7599-7602	1766
Fourier transformation with a planar holographic doublet	Reinhorn S., Gorodeisky S., Friesem A.A., Amitai Y.	OL 20(1995) 495-497	1767
Low-noise photorefractive amplification and detection of very weak signal beams	Breugnot S., Rajbenbach H., Defour M., Huignard J.-P.	OL 20(1995) 447-449	1768
Self-induced optical gratings in nematic liquid crystals with a feedback mirror	Macdonald R., Danlewski H.	OL 20(1995) 441-443	1769
Model of amplified scattering in photorefractive media: comparison of numerical results and experiment	Parshall E., Cronin-Golomb M., Barakat R.	OL 20(1995) 432-434	1770
Three-dimensional orderd pattern by light interference	Mei D., Cheng B., Hu W., Li Z., Zhang D.	OL 20(1995) 429-431	1771
Three-coordinate measurement of an object surface with a combined two-wavelength and two-source phase-shifting speckle interferometer	Maack T., Notni G., Schreiber W.	OC 115(1995) 576-584	1772
Edge enhancement, contrast reversal and logic operations using beam fanning in a photorefractive iron-doped barium titanate crystal	Kamra K., Singh K.	JMO 42(1995) 607-618	1773
Angle-dependent diffraction efficiency in a thick photorefractive hologram	Zhou H., Zhao F., Yu F.T.S.	AO 34(1995) 1303-1309	1774
Conoscopic holography: toward three-dimensional reconstructions of opaque objects	Mugnier L.M.	AO 34(1995) 1363-1371	1775
Phase reconstruction and unwrapping from holographic interferograms of partially absorbent phase objects	Vandenhouten R., Grebe R.	AO 34(1995) 1401-1406	1776
Neutral network approach to holographic nondestructive testing	Kreis T., Jüptner W., Biedermann R.	AO 34(1995) 1407-1415	1777
An 8.2 J phase-conjugate solid-state laser coherently combining eight parallel amplifiers	Sumida D.S., Jones D.C., Rockwell D.A.	IEEE JQE 30(1994) 2617-2627	1778
Phase noise reduction by self-phase locking in semiconductor lasers using phase conjugate feedback	Petersen L., Gliese U., Nielsen T.N.	IEEE JQE 30(1994) 2526-2533	1779
Semiconductor 1.55 μm laser source with gigabit/second integrated electroabsorptive modulator	Zhang L.M., Carroll J.E.	IEEE JQE 30(1994) 2573-2577	1780
Picosecond optical parametric amplification in BaB_2O_4	Huang F., Huang L.	IEEE JQE 30(1994) 2601-2607	1781

Demonstration of analog heterodyne interferometric phase-modulated (HIPM) link	Kalman R.F., Kazovsky L.G.	IEEE PTL 6(1994) 1271-1273	1782
Spatial subharmonic instabilities in photorefractive crystals	Sheng Z., Cui Y., Wang F., Wei Y.	OC 115(1995) 545-550	1783
Second order grating formation in dry holographic photopolymers	Zhao G., Mouroulis P.	OC 115(1995) 528-532	1784
Lateral and focal shifts of phase-conjugated beams in photorefractive materials	Papen G.C., Saleh E.A.	OL 14(1989) 745-747	1785
Self-pumped phase conjugation in BaTiO ₃ at 1.06 μm	Anderson B.T., Forman P.R., Jahoda F.C.	OL 10(1985) 627-628	1786
Impurity enhanced self-pumped phase conjugation in the near infrared in "blue" BaTiO ₃	Ross G.W., Hribek P., Eason R.W., Garrett M.H., Rytz D.	OC 101(1993) 60-64	1787
Space-charge field in photorefractive media with a constant applied magnetic field	Johansen P.M., Jensen A.S.	JOSA B 8(1991) 2342-2354	1788
Compact in-line interferometer for low-coherence reflectometry	Schmitt J.M.	OL 20(1995) 419-421	1789
Structure determination of weak phase objects from interferometric near-field measurements	Krumbügel M.A., Totzeck M.	AO 33(1994) 7864-7874	1790
Optical cellular logic two-level networks for morphological image processing	Wang B., Liu L., Liang F., Wang Z.	OC 115(1995) 251-255	1791
Imaging through random media by use of low-coherence optical heterodyning	Schmidt A., Corey R., Saulnier P.	OL 20(1995) 404-406	1792
Parallel arithmetic operations in an optical architecture using a modified iterative technique	Datta A.K., Seth M.	OC 115(1995) 245-250	1793
An electro-optic Fabry-Pérot through-plane-modulator based on a Langmuir-blodgett film	Cresswell J.P., Petty M.C., u.a.	OC 115(1995) 271-275	1794
Experimental characteristics of spatial subharmonics in BSO	Johansen P.M., Hansen R.S., Olsen T.	OC 115(1995) 308-314	1795
The general process in lasers	Tan W.	OC 115(1995) 303-307	1796
Image rotation, Wigner rotation, and the fractional Fourier transform	Lohmann A.W.	JOSA A10(1993) 2181-2186	1797
Low frequency peculiarities of the photorefractive response in sillenites	McClelland T.E., Webb D.J., Sturman B.I., Mann M., Ringhofer K.H.	OC 113(1995) 371-377	1798
Polarization-independent phase conjugation in a reflective optical mixer	Giles C.R., Mizrahi V., Erdogan T.	IEEE PTL 7(1995) 126-128	1799
Profilometry by phase-shifted Talbot images	Oreb B.F., Dorsch R.G.	AO 33(1994) 7955-7962	1800

Self-organized learning of purely temporal information in a photorefractive optical resonator	Montemezzani G., Zhou G., Anderson D.Z.	OL 19(1994) 2012-2014	1801
Performance of minimum-mean-square-error filters for spatially nonoverlapping target and input-scene noise	Javidi B., Zhang G., Parchekani F., Refregier P.	AO 33(1994) 8197-8209	1802
Portable real-time dual-axis joint-Fourier-transform correlator	Neidhardt D., Kreuzer M.	Annual Report 1992/1993	1803
Phase conjugation of BaTiO ₃ : Ce by backward stimulated photorefractive scattering	Zhu Y., Yang C., u.a.	APL 64(1994) 2341-2344	1804
High efficiency self-pumped phase conjugation at 633 nm in cerium-doped barium titanate crystals	Yang C., Zhu Y., u.a.	OC 109(1994) 318-323	1805
Coupling of mutually incoherent beams in photorefractive Bi ₁₂ TiO ₂₀ fiber	Kamshilin A.A., Tuovinen H., Prokofiev V.V., Jaaskelainen T.	OC 109(1994) 312-317	1806
Heterodyne technique for the direct measurement of the amplitude and phase of photorefractive space-charge fields	Gray D.G., Moharam M.G., Ayres T.M.	JOSA B 11(1994) 470-475	1807
Photorefractive spatial mode converter for multimode-to-single-mode fiber-optic coupling	Chiou A., Yeh P., Yang C., Gu C.	OL 20(1995) 1125-1127	1808
Threshold conditions and intensity relations in double-color-pumped oscillations	Kaczmarek M., Richter I., Solymar L.	JOSA B 11(1994) 136-142	1809
Subharmonic instabilities in photorefractive crystals for an applied alternating electric field: theoretical analysis	Grunnet-Jepsen A., Richter I., Shamonin M., Solymar L.	JOSA B 11(1994) 132-135	1810
Fundamental space-charge fields for applied alternating electric fields in photorefractive materials	Grunnet-Jepsen A., Kwak C.H., Richter I., Solymar L.	JOSA B 11(1994) 124-131	1811
A two-dimensional theory and propagation of beam fanning in photorefractive crystals	Xie P., Dai J.-H., Wang P.-Y., Zhang H.-J.	JAP 75(1994) 1891-1895	1812
Spectral response of fixed photorefractive grating interference filters	Hofmeister R., Yariv A., Yagi S.	JOSA B 11(1994) 1342-1351	1813
Recyclable holographic interferometer with a photorefractive crystal: optical scheme optimization	Miridonov S.V., Kamshilin A.A., Barbosa E.	JOSA B 11(1994) 1780-1788	1814
Photoconductivity and grating response time of a photorefractive polymer	Jones B.E., Ducharme S., Liphardt M., u.a.	JOSA B 11(1994) 1064-1072	1815
Mutually pumped phase-conjugate mirror: fish-head configuration	Chang C.C., Selviah D.R.	OL 20(1995) 677-679	1816
Phase defects in a phase-conjugate photorefractive-gain oscillator	Balzer G., Matamontero S., Vasnetsov M., Tschudi T	JMO 41(1994) 807-816	1817

A photorefractive guest-host polymer with high efficiency	Kippelen B., Meerholz K., Volodin B.L., Sanalphon, Peyghambarian N.	PMED (1995) 5-8	1818
Hexagonal pattern formation in BaTiO ₃ with mirror feedback	Honda T., Matsumoto H.	PMED (1995) 21-23	1819
Temperature dependence and wavelength dispersion of electro-optic in KNbO ₃ crystals	Bernsconi P., Zgonik M., Günter P.	PMED (1995) 24-27	1820
A study of photochromism in undoped and doped sillenite crystals via magnetic circular dichroism and the optical detection of magnetic resonance	briat B., Hamri A., Reyher H.J., u.a.	PMED (1995) 28-31	1821
Temperature dependent photoconductivity in a photorefractive polymer	Goonesekera A., Ducharme S., Takacs J.M., Zhang L.	PMED (1995) 44-47	1822
Band mobility of photoexcited electrons in Bi ₁₂ SiO ₂₀	Biaggio I., Partanen J.P., Hellwarth R.W.,	PMED (1995) 52-55	1823
Photorefractive fabry-perot quantum wells	Kwolek K.M., Melloch M.R., Nolte D.D.	PMED (1995) 59-61	1824
Carrier and charge dynamics during photorefractive recording	Murillo J.G., Magaña L.F., Carrascosa M., Agulló-López F.	PMED (1995) 67-70	1825
Effect of a chromium impurity on properties of photoinduced charge carriers in sillenite- structure crystals	Mokrushina E.V., Prokofiev V.V., Sokolov I.A.	PMED (1995)76-79	1826
Infrared recording in photorefractive tin-hypothiodiphosphate (Sn ₂ P ₂ S ₆)	Shumelyuk A., Hellwig U., Rupp R.A., u.a.	PMED (1995) 80-83	1827
Spectroscopic and photorefractive properties of molybdenum-doped barium titanate	Schwartz R.N., Wechsler B.A., West L., Bacher G.D.	PMED (1995) 93-95	1828
Near infrared response in KNSBN: Cu and LiNbO ₃ : Fe	Guo B., Yan L.	PMED (1995) 100-102	1829
Observation of photorefractive parametric oscillation in Bi ₁₂ SiO ₂₀	Pedersen H.C., Johansen P.M.	PMED (1995) 112-115	1830
Subharmonic in BSO in the absence of beam coupling	McClelland T.E., Webb D.J., Sturman B.I., Shamonina E., Ringhofer K.H.	PMED (1995) 116-119	1831
Effect of absorption on photorefractive gratings erasure	Liphardt M., Goonesekera A., Ducharme S., Takacs J.M., Zhang L.	PMED (1995) 124-127	1832
Absorption effects in photorefractive volume holographic memory	Campbell S., Yeh P.	PMED (1995) 128-131	1833
Very high single-pass two-beam coupling gain at 647 nm under conditions of induced transparency in Rh: doped BaTiO ₃	Kaczmarek M., Eason R.W., Garrett M.H., Rytz D.	PMED (1995) 132-135	1834

Near-infrared performance of the photorefractive self-pumped phase conjugation in Ni-doped KNbO ₃	Ding Y., Zhang Z.G., Eichler H.J., Shen D.Z., Ma X.Y., Chen J.Y.	PMED (1995) 153-155	1835
Influence of self-diffraction on polarization state in photorefractive BSO crystals	Tei K., Yokota H.	PMED (1995) 172-173	1836
Photorefractive holographic electrooptic phase - amplitude modulators in centrosymmetric materials	Kukhtarev N., Caulfield H.J., Kukhtareva T.	PMED (1995) 182-183	1837
The "Swiss cheese" effect: mapping 180° domains using photorefractive beam coupling	MacCormick S., Feinberg J., Wechsler B.A.	PMED (1995) 184-187	1838
Where do the petals in photorefractive beam fanning come from?	Montemezzani G., Zozulya A.A., Zgonik M., Czaia L., u.a.	PMED (1995) 192-195	1839
Non-steady-state photoemf based adaptive photodetectors with longitudinal configuration of electrodes	Mansurova S., Cruz D.M., Sokolov I., Stepanov S.	PMED (1995) 196-199	1840
Bright holographic scattering dots observed with LiNbO ₃ :Cu	Goul'kov M., Odoulov S., Sturman B., Jäkel G., Krätzig E.	PMED (1995) 200-203	1841
Observation of beam fanning in bulk Bi ₁₂ SiO ₂₀ crystals in the presence of an applied dc electric field	Pedersen H.C., Jojansen P.M.	PMED (1995) 204-207	1842
Wide angular aperture holograms in photorefractive crystals using orthogonally polarized write and read beams	Sarto A.W., Weverka R.T., Wagner K.H., Weaver S.	PMED (1995) 214-217	1843
Determination of orientation of optic-axis in a photorefractive crystal	Kos K., Siahmakoun A.	PMED (1995) 222-225	1844
Bragg reflection in photorefractive distributed feedback gratings	Shim S., Kwak C.H., Lee E.-H.	PMED (1995) 218-221	1845
Fixing of holograms induced by photorefractive oscillation	Modena V., Horowitz M., Fischer B.	PMED (1995) 247-248	1846
Excitation of space-charge waves in photorefractive ferroelectrics	Sturman B.I., Shamonina E., Ringhofer K.H.	PMED (1995) 249-252	1847
Three-valence charge transport model for explanation of the photorefractive effect	Buse K., Krätzig E.	PMED (1995) 253-256	1848
The effects of seeding on the oscillator/amplifier behavior of the double phase conjugate mirror	Parshall E., Cronin-Golomb M.	PMED (1995) 257-259	1849
Enhancement of phase conjugate beam reflectivity of photorefractive Bi ₁₂ SiO ₂₀ by the moving grating technique	Cook N.J., Wang Z.Q., Cartwright C.M., Gillespie W.A.	PMED (1995) 272-275	1850

Contribution of the reflection gratings to the self-pumped phase conjugation in BaTiO ₃	Sochava S.L., Krause A., Notni G., Rytz D.	PMED (1995) 178-181	1851
Self-pumped phase conjugate mirror "-C curve configuration" in photorefractive BaTiO ₃ crystals	Chang C.C., Selviah D.R.,	PMED (1995) 280-283	1852
Mutually pumped phase conjugate mirror "fish-head" configuration in photorefractive barium titanate crystals	Chang C.C., Selviah D.R.	PMED (1995) 284-287	1853
External mode-locking with feedback from a self-pumped phase-conjugator	Klose G., Siahmakoun A.	PMED (1995) 342-345	1854
Multi-beam phase conjugator through unpolished surface of crystal	Tan X., Shimura T., Kuroda K., Sun W.	PMED (1995) 346-349	1855
Improvement in degenerate four-wave mixing phase conjugation in a kerr medium using a mutually pumped phase conjugate mirror	Wood G.L., Yarrison-Rice J.M., Salamo G.J.	PMED (1995) 354-357	1856
Analysis of total internal reflection phase conjugate mirror	Zozulya A.A., Montemezzani G., Anderson D.Z.	PMED (1995) 375-378	1857
Adaptive processing and learning in photorefractive crystals	Wagner K., Weverka R.T., Sarto A.W., Garwin C., Slagle T., Blair S.	PMED (1995) 379-382	1858
Astigmatism of steady-state photoinduced drift photorefractive lenses	Gómez C.M., Márquez Aguilar P.A., Sánchez Mondragón J.J., Stepanov S., Vysloukh V.	PMED (1995) 387-390	1859
Observation and waveguide properties of photovoltaic spatial solitons	Bashaw M.C., Taya M., Fejer M.M., Segev M., Valley G.C.	PMED (1995) 391-394	1860
Dark, bright and vortex photorefractive quasi-steady-state spatial solitons	Salamo G., Duree G., Morin M., Segev M., Crosignani B., DiPorto P.	PMED (1995) 399-402	1861
Real-time holographic interferometer with BSO crystal using phase-shifting for quantitative deformation measurements	Georges M.P., Lemaire Ph.C.	PMED (1995) 403-407	1862
Comparison of the accuracy of interferometers with SPPCM	Krause A., Notni G.	PMED (1995) 408-411	1863
Analog optical image addition and subtraction using phase-code multiplexing in volume holographic memories	Denz C., Dellwig T., Lembke J., Tschudi T.	PMED (1995) 424-427	1864
Photorefractive double phase conjugator as a correlation filter in fiber-optic sensors	Khomenko A.V., Kamshilin A.A., Garcia-Weidher A.	PMED (1995) 428-431	1865
High-bandwidth, self-compensating laser-based ultrasound detector using photo-induced EMF in GaAs	Mitchell P.V., McCahon S.W., Klein M.B., O'Meara T.R., Dunning G.J., Pepper D.M.	PMED (1995) 432-434	1866

Anomalous time response of beam fanning in a BTO photorefractive fiber	Kamshilin A.A., Prokofiev V.V., Jaaskelainen T.	PMED (1995) 444-447	1867
Detection of phase modulation in 10 MHz frequency range with non-steady-state photo-EMF based photodetectors	Korneev N., Rodríguez P., Stepanov S.	PMED (1995) 500-503	1868
Opto-electronical two interconnection layer neutral network	Aing P., Pauliat G., Roosen G.	PMED (1995) 508-511	1869
Real time phase shift determination mod 2π in double pulse laser holography with BGO crystals	Labrunie L., Pauliat G., Jaunay J.-C., Roosen G.	PMED (1995) 512-515	1870
Photorefractive fourier image amplification for low light level image detection	Gilbreath G.C., Clement A.E., Reintjes J.F.	PMED (1995) 542-545	1871
Time-sharing optical thresholder by self-pumped phase conjugator with a ring cavity	Nakagawa K., Minemoto T.	PMED (1995) 316-319	1872
Double phase-conjugate mirror using a sillenite-structure crystal with the steady and alternating field application	Mokrushina E.V., Petrov M.P.	PMED (1995) 314-315	1873
Experimental determination of the response times of different self-pumped phase-conjugate mirror	Krause A., Sochava S.L., Notni G.	PMED (1995) 306-309	1874
Effect of two-input cross talk on laser-diode phase-conjugate	Ishii Y.	PMED (1995) 303-305	1875
Self-pump conjugation of dynamic images in a Cu: KNSBN crystal	Zhao M., Vorontsov M.A.	PMED (1995) 362-365	1876
Photorefractive associative memory which can discriminate enclosed image by weighted storage	Duelli M., Cudney R.S., Zgonik M., Günter P.	PMED (1995) 299-302	1877
Holographic fixing, readout and storage dynamics in photorefractive materials	Yariv A., Orlov S.	PMED (1995) 358-361	1878
Photoanisotropic incoherent-to-coherent converter using a bacteriorhodopsin thin film	Iman H., Lindvold L.R., Ramanujam P.S.	OL 20(1995) 225-227	1879
Real-time image processing by degenerate four-wave mixing in polarization sensitive dye-impregnated polymer films	O'Leary S.V.	OC 104(1994) 245-250	1880
Photophysical properties and photoisomerization processes of methyl red embedded in rigid polymer	Lee G.J., Kim D., Lee M.	AO 34(1995) 138-143	1881
Coupled mode analysis of polarization volume hologram	Huang T., Wagner K.H.	IEEE QE 31(1995) 372-390	1882

Chemically enhanced bacteriorhodopsin thin-film spatial light modulator	Song Q.W., Zhang C., Blumer R., u.a.	OL 18(1993) 1373-1375	1883
Optical logarithmic transformation of speckle images with bacteriorhodopsin films	Downie J.D.	OL 20(1995) 201-203	1884
Electro-optic Pockels and Kerr effects for the determination of $\chi^{(2)}$ and $\chi^{(3)}$: thin films of side-chain polymers containing dimethylaminonitrostilbene and of the polydiacetylene poly-(butoxycarbonylmethyleneurethane)	Herold M., Schmid W., Vogtmann Th., Fischer, u.a.	AO 34(1995) 996-1002	1885
Efficient nonlinear amplitude recording of holographic gratings in electrolytically colored potassium bromide crystals	Raita E., Ozols A., Salminen O.	AO 34(1995) 838-841	1886
Basic performance of an organic dye-doped polymer optical fiber amplifier	Tagaya A., Koike Y., Nihei E., Teramoto S., u.a.	AO 34(1995) 988-992	1887
Electro-optic polymer light modulator based on surface plasmon resonance	Jung C., Yee S., Kuhn K.	AO 34(1995) 946-949	1888
Dynamics of hologram recording in DuPont photopolymer	Rhee U.-S., Caulfield H.J., Vikram C.S., Shamir J.	AO 34(1995) 846-853	1889
Multiple-beam wedge-plate shear interferometer for collimation testing	Senthilkumaran P., Sriram K.V., Kothiyal M.P., Sirohi R.S.	AO 34(1995) 1197-1202	1890
Color holography using the angular selectivity of volume recording media	Zhu P., Liu X., Xu Z.	AO 34(1995) 842-845	1891
Improved noise-immune phase-unwrapping algorithm	Cusack R., Huntley J.M., Goldrein H.T.	AO 34(1995) 781-789	1892
Time-multiplexed real-time one-way image compensation for high-spatial-frequency aberration correction	Chakmakjian S.H., Gruneisen M.T., Koch K., Kramer M.A., Esch V.	AO 34(1995) 1076-1080	1893
Spatial and temporal fidelity of photorefractive image correlators	Meigs A.D., Saleh B.E.A.	JOSA B 11(1994) 1848-1857	1894
Bitonic sorting using an optoelectronic recirculating architecture	Beyette F.R., Mitkas P.A., Feld S.A., Wilmsen C.W.	AO 33(1994) 8164-8172	1895
Multi-input optical parallel logic processing with the shadow-casting technique	Datta A.K., Seth M.	AO 33(1994) 8146-8152	1896
Reflection and transmission properties of holographic mirrors and holographic Fabry-Perot filters. III. Holographic Fabry-Perot filters	Wang W.	AO 33(1994) 7883-7894	1897

Development and field demonstration of a hardware-compressive fiber-optic true-time-delay steering system for phased-array antennas	Goutzoulis A., Davies K., Zomp J., Hrycak P., Johnson A.	AO 33(1994) 8173-8185	1898
All-optical nonlinear joint Fourier transform correlator	Khoury J., Kane J.S., Asimellis G., Cronin-Golomb M., Woods C.	AO 33(1994) 8216-8225	1899
Real-time binary phase holograms on a reflective ferroelectric liquid-crystal spatial light modulator	Gourlay J., Samus S., McOwan P., Vass D.G., Underwood I., Worboys M.	AO 33(1994) 8251-8254	1900
Reflected optical harmonics from dielectric mirrors	Tsang T.	AO 33(1994) 7720-7724	1901
Determination of fractional fringe order by phase shifting in real-time shearography	Sim C.W., Chau F.S., Toh S.L.	JMO 42(1995) 271-277	1902
Digital double-pulsed holographic interferometry for vibration analysis	Pedrini G., Zou Y.L., Tiziani H.J.	JMO 42(1995) 367-374	1903
Achromatic white-light self-imaging phenomenon: an approach using the Wigner distribution function	Lancis J., Sicre E.E., Pons A., Saavedra G.	JMO 42 (1995) 425-434	1904
Binary nonlinear joint transform correlator performance with different thresholding methods under unknown illumination conditions	Javidi B., Li J., Fazlollahi A.H., Horner J.	AO 34(1995) 886-896	1905
Amplitude-modulated circular-harmonic filter for pattern recognition	Chen X., Chen Z.,	AO 34(1995) 879-885	1906
Real-time acquisition of laser-induced fluorescence decays	Reichardt T.A., Klassen M.S., King G.B., Laurendeau N.M.	AO 34(1995) 973-976	1907
Multiplexed imaging by means of optically generated Kronecker products: 1. The basis concept	Davis D.S.	AO 34(1995) 1170-1176	1908
Intensity dependent two-wave mixing at large modulation depth in photorefractive BaTiO ₃ crystal	Kwak C.H., Park S.Y., Lee E.	OC 115(1995) 315-322	1909
Double-pulse electronic speckle interferometry for vibration analysis	Pedrini G., Tiziani H.J.	AO 33(1994) 7857-7863	1910
Nonlinear coherent optical image processing using logarithmic transmittance of bacteriorhodopsin films	Downie J.D.	AO 34(1995) 5210-5217	1911
Thermal fixing of holographic gratings in BaTiO ₃	Zhang D., Zhang Y., Li Ch., Chen Y., Zhu Y.	AO 34(1995) 5241-5246	1912
Data-dependent-systems and Fourier-transform methods for single-interferogram analysis	Pandit S.M., Jordache N.	AO 34(1995) 5945-5951	1913
Image-contrast manipulation by the use of photorefractive ring multiresonators	Jost B.M.	AO 34(1995) 4022-4024	1914

Fringe visibility improvement using an asynchronous image-subtracting optically addressed spatial light modulator	Sharpe J.P., Barbier P.R., Moddel G., Johnson K.M.	AO 34(1995) 4013-4021	1915
Stabilized nonlinear regression for interferogram analysis	Slepicka J.S., Cha S.S.	AO 34(1995) 5039-5044	1916
A novel technique for spatial phase-shifting interferometry	Servin M., Cuevas F.J.	JMO 42(1995) 1853-1862	1917
High-intensity effects in self-pumped photorefractive phase conjugation using nanosecond pulses	Damzen M.J., Barry N.P., Buttinger M.	JMO 42(1995) 2051-2057	1918
Beam splitter model of two-beam coupling in photorefractive materials	Yarrison-Rice J.M., Rice P.R., Rowan D.J.	JMO 42(1995) 1971-1984	1919
Optical implementation of a wavelet transform by the use of dynamic holographic recording in a photorefractive material	Joseph J., Oura T., Minemoto T.	AO 34(1995) 3997-4003	1920
High-frequency resonances in photorefractive crystals	Grunnet-Jepsen A., Aubrecht I., Solymar L.	OL 20(1995) 819-821	1921
Phase contrast using photorefractive LiNbO ₃ : Fe crystals	Liu J., Xu J., Zhang G., Liu S.	AO 34(1995) 4972-4975	1922
Optical phase conjugation by two-wave mixing in iron-doped lithium niobate	Jayanth P., Krishna Mohan R., Subramanian C.K., Narayanan P.S.	OC 116(1995) 175-178	1923
Nonstationary amplification of the holographic recording in doped BSO crystals: a base for photorefractive incoherent-to-coherent optical conversion	Miteva M., Dushkina N., Gospodinov M.	AO 34(1995) 4083-4085	1924
Polarization properties of transmission and diffraction in BSO - a unified analysis	Goff J.R.	JOSA B 12(1995) 99-116	1925
Manipulating the information carried by an optical beam with reflexive photorefractive beam coupling	Anderson D.Z., Saffman M., Hermanns A.	JOSA B 12(1995) 117-123	1926
Optical computing by use of photorefractive polymers	Halvorson C., Kraabel B., Heeger A.J., Volodin B.L., Meerholz K., Sandalphon, Peyghambarian N.	OL 20(1995) 76-78	1927
Implementation of an optical multiwavelength full adder with a polarization encoding scheme	Wu W., Campbell S., Yeh P.	OL 20(1995) 79-81	1928
Theory of the photorefractive effect for Bi ₁₂ SiO ₂₀ and BaTiO ₃ with shallow traps	Tayebati P., Mahgerefteh D.	JOSA B 8(1991) 1053-1064	1929
White-light phase-stepping interferometry: measurement of the fractional interference order	Hariharan P., Roy M.	JMO 42(1995) 2357-2360	1930
Adaptive stabilized interferometer with laser diode	Kudryashov A.V., Seliverstov A.V.	OC 120(1995) 239-244	1931

High speed optical path routing by using four-wave mixing and a wavelength router with fiber gratings and optical circulators	Yamamoto T., Imai T., Komukai T., Miyajima Y.	OC 120(1995) 245-248	1932
Transversely-pumped counter-propagating optical parametric oscillators and amplifiers: conversion efficiencies and tuning ranges	Ding Y.J., Khurgin J.B., Lee S.-J.	IEEE JOE 31(1995) 1648-1658	1933
Phase-locked phase conjugation by brillouin-induced four-wave mixing	Ridley K.D.	JOSA B 12(1995) 1924-1932	1934
Space-charge fields in photorefractive materials enhanced by moving fringes: comparison of electron-hole transport models	Aubrecht I., Ellin H.C., Grunnet-Jepsen A., Solymar L.	JOSA B 12(1995) 1918-1923	1935
Tilting of holograms in photorefractive $\text{Sr}_{0.61}\text{Ba}_{0.39}\text{Nb}_2\text{O}_6$ crystals by self-diffraction	Buse K., Kämper S., Frejlich J., Pankrath R., Ringhofer K.H.	OL 20(1995) 2249-2251	1936
Interferometric configuration based on a grating interferometer for the measurement of the phase between TE and TM polarizations after diffraction by gratings	Giovannini H., Akhouayri H.	OL 20(1995) 2255-2257	1937
Programmable optical phase-mostly holograms with coupled mode modulation liquid-crystal television	Neto L.G., Roberge D., Sheng Y.	AO 34(1995) 1944-1950	1938
Adjustable half-wave plate	Darsh M.Ya., Goltser I.V., Kundikova N.D., Zel'dovich B.Ya.	AO 34(1995) 3658-3661	1939
Learning and recall algorithm for optical associative memory using a bistable spatial	Toyoda H., Ishikawa M.	AO 34(1995) 3145-3151	1940
Optoelectronic fuzzy associative memory with controllable attraction basin sizes	Wen Z., Campell S., Wu W., Yeh P.	OL 20(1995) 2125-2127	1941
Waveguides formed by quasi-steady-state photorefractive spatial solitons	Morin M., Duree G., Salamo G.	OL 20(1995) 2066-2068	1942
Photorefractive surface waves	Cronin-Golomb M.	OL 20(1995) 2075-2077	1943
Refractive surface flow visualization using image processing	Britton D.F., Smith L.M.	AO 34(1995) 1872-1877	1944
Holographic array illuminator using tandem Michelson interferometers: fabrication and analysis	Bhattacharya S., Senthilkumaran P., Darlin J.S., Kothiyal M.P., Sirohi R.S.	JOMO 42(1995) 2275-2283	1945
Generalized theory of the resolution of object tracking novelty filters	Sedlatschek M., Rauch T., Denz C., Tschudi T.	OC 116(1995) 25-30	1946
Programmable optical logic systems using free-space optical interconnections	Davis J.A., Tiangco R.P., Barnes T.H., Haskell T.G.	AO 34(1995) 1929-1937	1947

Holographic interferometry using two-wavelength holography for the measurement of large deformations	Ninane N., Georges M.P.	AO 34(1995) 1923-1928	1948
Anisotropic strong volume hologram in BaTiO ₃	Sun C.-C., Chang M.-W., Hsu K.Y.	OC 119(1995) 597-603	1949
Evanescent coupling of a dipole to a phase conjugate mirror	Agarwal G.S., Gupta S.D.	OC 119(1995) 591-596	1950
Implementation of time lenses and optical temporal processors	Yang Y.	OC 116(1995) 193-207	1951
Optical thresholding in a self-pumped phase conjugate mirror with a ring cavity	Nakagawa K., Zgonik M., Minemoto T., Günter P.	OC 122(1995) 43-47	1952
Adaptive photorefractive neurons for self-organizing networks	Galstyan T., Pauliat G., Villing A., Roosen G.	OC 109(1994) 35-42	1953
Whole-beam method analysis of photorefractive effect in correlators	Daniel O., Stelmach A., Jonathan J.-M.C., Roosen G.	OC 113(1995) 559-567	1954
Photorefractive response of CdTe:V under ac electric field from 1 to 1.5 μm	Belaud Y., Delaye P., Launay J.-C., Roosen G.	OC 105(1994) 204-208	1955
Diffraction efficiency of photorefractive index gratings	Guo R., Ling Z.	OC 125(1996) 101-104	1956
Novel method for double phase conjugation in gain media	Green R.P.M., Crofts G.J., Damzen M.J.	OC 124(1996) 488-492	1957
Discrimination of enclosed images by weighted storage in an optical associative memory	Duelli M., Cudney R.S., Günter P.	OC 123(1996) 49-54	1958
Optical detection of non-steady-state photo-electromotive force in Bi ₁₂ TiO ₂₀	Sochava S.L., Kulikov V.V., Sokolov I.A., Petrov M.P.	OC 125(1996) 262-266	1959
Exact solution to photorefractive two-wave mixing with arbitrary modulation depth	Belic M.R., Timotijevic D., Petrovic M., Jaric M.V.	OC 123(1996) 201-206	1960
A nonlinear, transient analysis of two- and multi-wave mixing in a photorefractive material using rigorous coupled-wave diffraction theory	Jarem J.M., Banerjee P.P.	OC 123(1996) 825-842	1961
Bragg-selectivity of a volume gain grating	Damzen M.J., Matsumoto Y., Crofts G.J., Green R.P.M.	OC 123(1996) 182-188	1962
Pulse train compression up to terabit rates using four-wave mixing in birefringent fiber	Starodumov A.N.	OC 124(1996) 365-372	1963
Programmable wavefront generation using two binary phase spatial light modulators	Yang G.G., Broomfield S.E.	OC 124(1996) 345-353	1964
Optical matrix-matrix multiplication by the use of fixed holographic multi-gratings in a photorefractive crystal	Wang F., Liu L., Yin Y.	OC 125(1996) 21-26	1965

Dynamics of space-charge fields created in photorefractive barium titante by single picosecond pulses: a computer simulation	Ishii H., Tomita Y.	OC 126(1996) 65-102	1966
Liquid-crystal active lens: a reconfigurable lens employing a phase modulator	Takaki Y., Ohzu H.	OC 126(1996) 123-134	1967
All-optical remotely programmable routing device	Lucek J.K.	OC 126(1996)143-151	1968
Holographic recording in algal suspensins	Brown K.M., Lamb K., Russell D.L., Ruddock I.S., Cunningham A., Illingworth R.	OC 126(1996) 202-206	1969
Achromatic phase-shifting for two-wavelength phase-stepping interferometry	Hariharan P., Roy M.	OC 126(1996) 220-222	1970
Logic operations based on the fractional Talbot effect	Guyot O., Hamam H.	OC 127(1996) 96-106	1971
Removing the image-doupling in shearography by reconstruction of the displacement field	Waldner S.	OC 127(1996) 117-126	1972
All-optical logic with bacteriorhodopsin films	Rao D.V.G.L.N., Aranda F.J., Rao D.N., Chen Z., Akkara J.A., Kaplan D.L., Nakashima M.	OC 127(1996) 193-199	1973
Multiple-beam, spatially mode-locked photorefractive oscillator	Desfarges A., Kermene V., Colombeau B., Froehly C., Vampouille M.	OC 127(1996) 372-380	1974
Image edge enhancement by Bragg diffraction	Xia J., Dunn D.B., Poon T.-C., Banerjee P.P.	OC 128(1996) 1-7	1975
Neural network implementation using self-lensing media	Skinner S.R., Behrman E.C., Cruz-Cabrera A.A., Steck J.E.	AO 34(1995) 4129-4135	1976
Minimum entropy-neural network approach to turbulent-image reconstruction	Wang Y., Frieden B.R.	AO 34(1995) 5938-5944	1977
Exposure-induced high-pass filtering of a volume by means of an absorption hologram recording technique	Baldwin K.C., Ehrlich M.J., Wagner J.W.	AO 35(1996) 227-231	1978
Image transfer by mutually pumped phase conjugators	Anderson R.J., Sharp E.J., Wood G.L., Salamo G.J.	AO 35(1996) 854-859	1979
Optical computing: introduction by the feature editors	Li Y., Tanida J., Tooley F., Wagner K.	AO 35(1996) 1177-1179	1980
Experimental free-space optical network for masively parallel computers	Araki S., Kajita M., Kasahara K., Kubota K., Kurihara K., Redmond I., Schenfeld E., Suzaki T.	AO 35(1996) 1269-1281	1981
External phase-modulation interferometry	Gray M.B., Stevenson A.J., Harb C.C., Bachor H.-A., McClelland D.E.	AO 35(1996) 1623-1632	1982
Nonintrusive measurements of temperature and size of single falling raindrops	van Beeck J.P.A.J., Riethmuller M.L.	AO 34(1995) 1633-1639	1983
Particle image velocimetry analysis using an optically addressed spatial light modulator: effects of nonlinear transfer function	Jakobsen M.L., Hossack W.J., Greated C.A.	AO 34(1995) 1757-1762	1984

Free-space optical module configuration using a guide-frame assembly method	Mizukami M., Koyabu K., Fukui M., Kitayama K.	AO 34(1995) 1783-1787	1985
Spatial light modulation based on photoinduced change in the complex refractive index of bacteriorhodopsin	Takei H., Shimizu N.	AO 34(1995) 1848-1854	1986
Self-pumped phase conjugation with nanosecond pulses in strontium barium niobate	Monson B., Salamo G.J., Mott A.G., Miller M.J., Sharp E.J., Clark III W.W., Wood G.L.	OL 15(1990) 12-14	1987
Chirp and self-phase modulation in induced-grating autocorrelation measurements of ultrashort pulses	Trebino R., Hayden C.C., Johnson A.M., Simpson W.M., Levine A.M.	OL 15(1990) 1079-1081	1988
Stable grating formation in nearly degenerate four-wave mixing	Yin E., Lee B., Gustafson T.K., Spiridon A., Watjen J., Cooper D., Martinelli R.	OL 18(1993) 229-231	1989
Collapse of a transverse-mode continuum in a self-imaging photorefractively pumped ring resonator	Saffman M., Montgomery D., Anderson D.Z.	OL 19(1994) 518-520	1990
High-quality self-pumped phase conjugation of nanosecond pulses at 532 nm using photorefractive BaTiO ₃	Mager L., Laquarney C., Pauliat G., Garrett M.H., Rytz D., Roosen G.	OL 19(1994) 1508-1510	1991
Dynamic phase-encoding storage of 64 images in a BaTiO ₃ photorefractive crystal	Alves C., Pauliat G., Roosen G.	OL 19(1994) 1894-1896	1992
Wave mixing and beam profile control in a photorefractive waveguide	Yu W., Krolikowski W., Luther-Davies B.	OL 20(1995) 563-565	1993
Flow and controlled rotation of the spontaneous optical hexagon in KNbO ₃	Honda T.	OL 20(1995) 851-853	1994
General optical implementations of fractional Fourier transforms	Liu S., Xu J., Zhang Y., Chen L., Li C.	OL 20(1995) 1053-1055	1995
Holographic fixing, readout, and storage dynamics in photorefractive materials	Yariv A., Orlov S., Rakuljic G., Leyva V.	OL 20(1995) 1334-1336	1996
Fixing of photorefractive volume holograms in K _{1-y} Li _y Ta _{1-x} O ₃	Leyva V., Engin D., Tong X., Tong M., Yariv A., Agranat A.	OL 20(1995) 1319-1321	1997
Polarization dependence of femtosecond soliton-soliton interactions in dispersion-shifted fiber	Sugawa T., Kubota H., Nakazawa M.	OL 20(1995) 1453-1455	1998
Conjugation fidelity and bistability in a high-efficiency mutually pumped phase conjugator with ring channels	Zhang L., Zhang J., Shao Z., Mu X., Chen H., Jiang M.	OL 20(1995) 1456-1458	1999
Holographic scattering lines and mirrorless oscillation in BaTiO ₃	Neumann J., Jäkel G., Krätzig E.	OL 20(1995) 1530-1532	2000

Laser beam cleanup with photorefractive two-beam coupling	Takada A., Cronin-Golomb M.	OL 20(1995) 1459-1461	2001
Double phase-conjugate mirror: to oscillate, or not to oscillate?	Shaw K.D.	OL 20(1995) 1610-1612	2002
Simultaneous acquisition of $\pi/2$ phase-stepped interferograms with a photorefractive $\text{Bi}_{12}\text{GeO}_{20}$ crystal: application to real-time double-pulse holography	Labrunie L., Pauliat G., Roosen G., Launay J.C.	OL 20(1995) 1652-1654	2003
Polarization-dependent mechanism transformation during self-pumped phase conjugation in $\text{BaTiO}_3:\text{Ce}$	Lian Y., Lin S.H., Campbell S., Hsu K.Y., Yeh P.	OL 20(1995) 1683-1685	2004
Buildup of spontaneous hexagonal pattern in photorefractive BaTiO_3 with a feedback mirror	Honda T., Matsumoto H.	OL 20(1995) 1755-1757	2005
Phase-compensated holographic recording based on anisotropic photorefractive diffraction	Freschi A.A., Barbosa E.A., Frejlich J.	OL 20(1995) 2027-2029	2006
Applications of birefringent phase matching for photorefractive devices	Cronin-Golomb M., Tarr M.P.	OL 20(1995) 2252-2254	2007
Analog optical phase modulator based on chiral smectic and polymer cholesteric liquid crystals	Stockley J.E., Sharp G.D., Serati S.A., Johnson K.M.	OL 20(1995) 2441-2443	2008
Differentiating optical correlator	Davis J.A., Haavig L.L., Cottrell D.M.	OL 20(1995) 2511-2513	2009
Continuous coherent transient optical processing in a solid	Zhu M., Babbitt W.R., Jefferson C.M.	OL 20(1995) 12514-2516	2010
Two-port photorefractive joint-transform correlator	Asimellis G., Khoury J., Kane J., Woods Ch.	OL 20(1995) 2517-2519	2011
Experimental demonstration of temporal-waveform-controlled spatial routing of optical beams by spatial-spectral filtering	Wang T., Lin H., Mossberg T.W.	OL 20(1995) 2541-2543	2012
Optical header recognition by spectroholographic filtering	Shen X.A., Kachru R.	OL 20(1995) 2508-2510	2013
Shift-multiplexed holographic memory using the two-lambda method	Barbastathis G., Psaltis D.	OL 21(1996) 432-434	2014
Optical power filter: a new kind of passive nonlinear-optical device	Medhekar S., Sodha M.S., Konar S.	OL 21(1996) 305-307	2015
Grating interferometer for flatness testing	deGroot P.J.	OL 21(1996) 228-230	2016
Orthogonal photorefractive grating storage	Sefler G.A., Gustafson T.K., Yin E., Spiridon A.	OL 21(1996) 293-295	2017
Spatiotemporal dynamics of self-pumped phase conjugation in a photorefractive crystal: multipattern storage using incremental recording	Zhao M., Vorontsov M.A., Ricklin J.C	OL 21(1996) 257-259	2018

Red-band holographic storage in azo dye sensitized by noncoherent light	Wu P., Chen W., Gong X., Zhang G., Tang G.	OL 21(1996) 429-431	2019
Mutually pumped phase conjugator with a rainbow configuration in BaTiO ₃ :Ce crystal using nanosecond pulses	Wang H., Yoshikawa N., Yoshikado S., Aruga T.	OL 21(1996) 561-563	2020
Avoiding hologram bending in photorefractive crystals	Freschi A.A., Garcia P.M., Rasnik I., Frejlich J., Busa K.	OL 21(1996) 152-154	2021
Ultralong dark decay measurements in BaTiO ₃	Bacher G.D., Chiao M.P., Dunning G.J., Klein M.B., Nelson C.C., Wechsler B.A.	OL 21(1996) 18-20	2022
Exact solution to four-wave mixing with complex couplings: reflection geometry	Petrovic M., Belic M.R., Timotijevic D., Jaric M.	OL 21(1996) 321-323	2023
Charge dynamics for holographic gratings in photorefractive materials	Statman D.	JOSA B 9(1992) 849-857	2024
Data-dependent systems methodology for noise-insensitive phase unwrapping in laser interferometric surface characterization	Pandit S.M., Jordache N., Joshi G.A.	JOSA B 11(1994) 2584-2592	2025
Degenerate four-wave mixing in picosecond pulses: study of the temporal shape of the diffracted signal as a function of the material response time	Coic H., Roblin M.L., Gires F., Grousson R.	JOSA B 11(1994) 2232-2240	2026
Spatiotemporal effects in double phase conjugation	Belic M.R., Leonardy J., Timotijevic D., Kaiser F.	JOSA B 12(1995) 1602-1616	2027
Nonlinear combinations of gratings in Bi ₁₂ SiO ₂₀ : theory and experiments	Andersen P.E., Buchhave P., Petersen P.M., Vasnetsov M.V.	JOSA B 12(1995) 1422-1433	2028
Evolution and propagation of grating envelopes during erasure in bulk photorefractive media	Jeganathan M., Bashaw M.C., Hesselink L.	JOSA B 12(1995) 1370-1383	2029
Effect of beam coherence on mutually pumped phase conjugators	DeLaCruz S.-C., MacCormack S., Feinberg J., He Q.B., Liu H.-K., Yeh P.	JOSA B 12(1995) 1363-1369	2030
Stability analysis of two photorefractive ring resonator circuits: the flip-flop and the feature extractor	Zozulya A.A., Saffman M., Anderson D.Z.	JOSA B 12(1995) 1036-1047	2031
Parametric oscillation in photorefractive media	Pedersen H.C., Johansen P.M.	JOSA B 12(1995) 1065-1073	2032
Dynamics of light-induced absorption in BaTiO ₃ and application for intensity stabilization	Buse K., Bierwirth T.	JOSA B 12(1995) 629-637	2033
Bright, dark, and gray spatial soliton states in photorefractive media	Christodoulides D.N., Carvalho M.I.	JOSA B 12(1995) 1628-1633	2034
Effect of applied electric fields on the writing and the readout of photorefractive gratings	DeVre R., Jeganathan M., Wilde J.P., Hesselink L.	JOSA B 12(1995) 600-614	2035

Analysis of wave coupling in photorefractive cubic media far from the paraxial limit	Pedersen H.C., Johansen P.M.	JOSA B 12(1995) 592-599	2036
Crystal-field energy levels for deep Fe center at orthorhombic and higher symmetry sites in BaTiO ₃	Chang Y.M., Wang H.F., Rudowicz C.	JOSA B 12(1995) 544-552	2037
Modal wave-front reconstruction with Zernike polynomials and Karhunen-Loeve functions	Dai G.	JOSA B 12(1995) 1218-1225	2038
Comparison of recording densities in three-dimensional optical storage systems: multilayered bit recording versus angularly multiplexed holographic recording	Tanaka T., Kawata S.	JOSA B 12(1995) 935-943	2039
Exact, dynamical analysis of the Kukhtarev equations in photorefractive barium titanate using rigorous coupled-wave diffraction theory	Jarem J.M., Banerjee P.P.	JOSA B 12(1995) 819-831	2040
An inverse scattering method in resonant optical problems with external triggering	Benedict M.G., Nemeth I.	JMO 42(1995) 2265-2273	2041
The interferometer as an optical network	Törmä P., Stenholm S.	JMO 42(1995) 1109-1121	2042
Phase modulated two-wave mixing in crystals with long photocarrier lifetimes	Bian S., Frejlich J.	JMO 43(1996) 1185-1198	2043
Double passage imaging of an arbitrary object through turbulence Experimental results	Bogaturov A.N., Dainty J.C., Myakinin V.A., Solomon C.J., Wooder N.J.	JMO 43(1996) 517-524	2044
Refreshed photorefractive buffer memory for permanent readout	Alves C., Pauliat G., Roosen G.	OM 4(1995) 423-427	2045
Photorefractive BaTiO ₃ : an efficient material for laser wavefront correction	Mager L., Pauliat G., Garrett M.H., Rytz D., Roosen G.	OM 4(1995) 381-385	2046
Comparative study of CdTe and GaAs photorefractive performances from 1 μm to 1.55 μm	deMontmorillon L.A., Delaye Ph., Launay J.C., Roosen G.	OM 4(1995) 233-236	2047
Photorefractive effect in (001)-cut GaAs at short pulse excitation	Jarasiunas K., Bastiene L., Delaye P., Roosen G.	OM 4(1995) 227-232	2048
Reduced KNbO ₃ crystals for fast photorefractive nonlinear optics	Voit E., Zha Z., Amrhein P., Günter P.	APL 51(1987) 2079-2081	2049
Photorefractive wave mixing in undoped liquid encapsulated Czochralski GaAs at 1.5 μm: Validation of photorefractive modeling	Delay P., deMontmorillon L.A., vonBardeleben H.J., Roosen G.	APL 64(1994) 2640-2642	2050
Phase conjugation, edge detection and image broadcasting using two-beam coupling configurations in photorefractive KNbO ₃	Banerjee P.P., Yu H.-L., Gregory D.A., Kukhtarev N.	OLT 28(1996) 89-92	2051

Application of the holographic carrier fringe and FFT technique for deformation measurement	Quan C., Shang H.M., Bryanston-Cross P.J.,	OLT 28(1996) 7-13	2052
Optical space frequency analysis for real-time pattern recognition	Reichel F., Löffler W.	IJOE 9(1994) 99-109	2053
The measurement of particle-size distribution using the method of optical incoherent space-frequency analysis	Löffler W., Reichel F.	IJQE 9(1994) 441-448	2054
Efficient pulsed photorefractive process in LiNbO ₃ : Fe for optical storage and deflection	Chen C.-T., Kim D.M., vonderLinde D.	IEEE JQE 16(1980) 126-129	2055
Strong-field four-wave mixing in an optically-pumped methyl fluoride laser	Radkevich A.O., Fleurov V.B., Izatt J.R.	IEEE JQE 32(1996) 679-689	2056
Photorefractive measurements on electron-irradiated semi-insulating GaAs	Delage P., vonBardeleben H.J., Roosen G.	AP A 59(1994) 357-364	2057
Anisotropic interference of three-wave and double two-wave frequency mixing in GaAs	Yablonovitch E., Flytzanis C., Bloembergen N.	PRL. 29(1972) 865-868	2058
Wavefront correction of nanosecond pulses at 532 nm by photorefractive two wave mixing	Mager L., Pauliat G., Rytz D., Garrett M.H., Roosen G.	NO 11(1995) 135-144	2059
Picosecond investigation of photorefractive and free carrier gratings in GaAs: EL2 and CdTe:V	Delay P., Jarasiunas K., Launay J.-C., Roosen G.	J Phys. III F 3(1993) 1291-1303	2060
Properties and application of liquid crystal spatial light modulators in optical signal processing	Hawlitshchek N., Gärtner E., Gussek P., Reichel F.	ETP 40(1994) 199-239	2061
Experimental and theoretical treatments of the Czochralski growth of Bi ₁₂ GeO ₂₀	Fontaine J.P., Extremet G.P., Chevrier V., Launay J.C.	JCG 139(1994) 67-80	2062
Holographic digital data storage in a photorefractive polymer	Lundquist P.M., Poga C., DeVoe R.G., Jia Y., Moerner W.E., Bernal M.-P., et al.	OL 21(1996) 890-892	2063
Power transfer by nearly degenerate two-wave mixing in a saturable dye-doped film	Fujiwara H., Shio K., Miyanaga S.	JOSA B 8(1991) 1740-1746	2064
In-plane displacement measurement using objective speckles in photorefractive two-beam coupling: effect of multiple exposures	Kumar A., Kamra K., Singh K.	OC 126(1996) 135-142	2065
Four-wave mixing and generation of terahertz radiation in an alternating-strain coupled quantum-well structure	Paiella R., Vahala K.J.	IEEE JQE 32(1996) 721-728	2066
High-speed, acousto-optically addressed optical memory	Sharp J.H., Budgett D.M., Chatwin C.R., Scott B.F.	AO 35(1996) 2399-2402	2067
Processing of interferometric phase maps as complex-valued phasor images	Ströbel B.	AO 35(1996) 2192-2198	2068

Coupling kinetics of the photorefractive hologram	Zhang J., Yu F.T.S., McMillen D.K.	AO 35(1996) 2355-2359	2069
Signal detection for page-access optical memories with intersymbol interference	Heanue J.F., Gürkan K., Hesselink L.	AO 35(1996) 2431-2438	2070
Three-dimensional holographic disks	Li H.-Y.S., Psaltis D.	AO 33 (1994) 3764-3774	2071
Longitudinally reversed shearing interferometry	Bryngdahl D.	JOSA 59 (1969) 142-146	2072
High-density recording in photopolymer-based holographic three-dimensional disks	Pu A., Psaltis D.	AO 35 (1996) 2389-2398	2073
Optical data storage readout with quadrant pupil detection	Milster T.D., Chen Z., Walker E.P., Tuell M.T., Gage E.C.	AO 35 (1996) 2471-2476	2074
Optical design for page access to volume optical media	Neifeld M.A., McDonald M.	AO 35 (1996) 2418-2430	2075
Compact holographic storage demonstrator with rapid access	McMichael I., Christian W., Pletcher D., Chang T.Y., Hong J.H.	AO 35 (1996) 2375-2379	2076
Three-dimensional optical bit-memory recording and reading with a photorefractive crystal: analysis and experiment	Ueki H., Kawata Y., Kawata S.	AO 35 (1996) 2457-2465	2077
A precision tester for studies of holographic optical storage materials and recording physics	Bernal M.-P., Coufal H., Grygier R.K., Hoffnagle J.A., Jefferson C.M., Macfarlane R.M., et al.	AO 35 (1996) 2360-2374	2078
Optoelectronic-cache memory system architecture	Chiarulli D.M., Levitan S.P.	AO 35 (1996) 2449-2456	2079
Beam fanning and double phase conjugation in a fiber-like photorefractive sample	Kamshilin A.A., Prokofiev V.V., Jaaskelainen T.	IEEE JQE 31 (1995) 1642-1647	2080
Effect of beam coherence on mutually pumped phase conjugators	DeLaCruz S.-C., MacCormack S., Feinberg J., He Q.B., Liu H.-K., Yeh P.	JOSA B 12 (1995) 1363-1369	2081
Exact solution of the Bragg-diffraction problem in sillenites	Sturman B.I., Webb D.J., Kowarschik R., Shamonina E., Ringhofer K.H.	JOSA B 11 (1994) 1813-1819	2082
Three-dimensional microscopy by optical scanning holography	Poon T.-C., Doh K.B., Schilling B.W., Wu M.H., Shinoda K., Suzuki Y.	OE 34 (1995) 1338-134	2083
Optical scanning holography	Poon T.-C., Wu M.H., Shinoda K., Suzuki Y.	IEEE P 84 (1996) 753-763	2084
Coded- and mosaic-wavelength multiplex volume holography	Bashaw M.C., Singer R.C., Heanue J.F., Hesselink L.	PMED (1995) 420-423	2085
Cross-talk reduction procedure for phase encoded holographic memory	Alves C., Pauliat G., Roosen G.	PMED (1995) 332-333	2086
Direct linear homodyne detection of a weak phase modulated signal using two wave mixing in a CdTe crystal at the 1.55 μm wavelength	deMontmorillon L.-A., Delaye P., Biaggio I., Launay J.-C., Roosen G.	PMED (1995) 504-507	2087

Detection of ultrasonic vibrations on rough surfaces through the photorefractive effect	Delaye P., Blouin A., deMontmorillon L.-A., Biaggio I., Drolet D., Monchalin J.-P., Roosen G.	SPIE P (1996) p 50	2088
All-optical correlation in speckle photography for deformation mapping in monuments	Gärtner E., Gülker G., Hinrichs H., Hinsch K., Meinschmidt P., Reichel F., Wolff K.	Laser'95 Congress (1995)	2089
Speckle-free signal reconstruction with non-periodic diffractive elements on Liquid-crystal SLM	Teiwes S., Schwarzer H., Aagedal H., Schmid M., Beth T., Reichel F., Wyrowski F.	TD 9 (1995)	2090
Phase conjugation in magnetized semiconductors by stimulated Brillouin scattering	Sen P.K., Sen P., Vivek S.	J. Phys. D: AP (1996) 1-7	2091
Transmission of time modulated optical signals through an absorbing photorefractive crystal	Delaye P., deMontmorillon L.A., Roosen G.	OC 118 (1995) 154-164	2092
Holographic motion picture by $\text{Eu}^{3+}:\text{Y}_2\text{SiO}_5$	Mitsunaga M., Uesugi N., Sasaki H., Karaki K.	OL 19(1994) 752-754	2093
Optical-data-processing properties of a liquid-crystal television spatial light modulator	Lui H.-K., Davis J.A., Lilly R.A.	OL 10(1985) 635-637	2094
One-way imaging through an aberrator with spatially incoherent light by using an optically addressed spatial light modulator	Kramer M.A., Wetterer C.J., Martinez T.	AO 30(1991) 3319-3323	2095
Real-time VanderLugt optical correlator that uses photorefractive GaAs	Liu D.T.H., Cheng L.-J.	AO 31(1992) 5675-5680	2096
Compact photorefractive correlator for robotic	Rajbenbach H., Bann S., Refregier P., Joffe P., Huignard J.-P., Buchkremer H.-S. u.a.	AO 31(1992) 5666-5674	2097
Electric-field-switchable stratified volume holograms in photorefractive polymers	Stankus J.J., Silence S.M., Moerner W.E., Bjorklund G.C.	OL 19(1994) 1480-1492	2098
Multistability in optical transmittance of spatial light modulators with internal feedback	Kompanets I.N., Parfenov A.V., Popov Y.M.	OC 36(1981) 417-418	2099
Photoaddressed liquid crystal spatial modulators	Armitage D., Thackara J.I., Eades W.D.	AO 28(1989) 4763-4771	2100
Adjustable half-wave plate	Darscht M.Y., Goltser I.V., Kundikova N.D., Zel'dovich B.Y.	AO 34(1995) 3658-36661	2101
An adjustable quarter-wave plate	Goltser I.V., Darscht M.Y., Kundikova N.D., Zel'dovich B.Y.	OC 97 (1993) 291-294	2102
A comparison study between 2D VLSI circuits and 3D circuits based on multifunctional smart pixels	Fey D.	ICAPT'96	2103
A 3D optoelectronic parallel processor for smart pixel processing units	Fey D., Kurschat A., Kasche B., Erhard W.	MPPOI'96	2104
Transformation of a 2-D VLSI systolic adder circuit in 3-D circuits using optical interconnections	Fey D.	Euro-Par'96	2105
Spectral holography of pico- and nanosecond optical pulses	Mazurenko Y.T., Putilin S.E., Bogdanov V.L., Lukomskij G.V., u.a.	OLT 28(1996) 285-290	2106

Overview of hybrid optical neural networks	Jutamulia S., Yu F.T.S.	OLT 28(1996) 59-72	2107
Computer-based spatial-temporal interferometry	Rehn H., Kowarschik R.	OLT 27(1995) 357-360	2108
Saturable absorption, wave mixing, and phase conjugation with bacteriorhodopsin	Werner O., Fischer B., Lewis A., Nebenzahl I.	OL 15(1990) 1117-1119	2109
Revisiting optical phase conjugation by difference-frequency generation	Lefort L., Barthelemy A.	OL 21(1996) 848-850	2110
Strong self-defocusing effect and four-wave mixing in bacteriorhodopsin films	Werner O., Fischer B., Lewis A.	OL 17(1992) 241-243	2111
Optical limiting by chemically enhanced bacteriorhodopsin films	Song Q.W., Zhang C., Gross R., Birge R.	OL 18(1993) 775-777	2112
Real-time holographic imaging with a bacteriorhodopsin film	Zhang Y.-H., Song Q.W., Tseronis C., Birge R.R.	OL 21(1996) 2429-2431	2113
Analysis of polarization-insensitive optical phase conjugation in a dispersion-shifted fiber	Zhang X., Jorgensen B.F.	OL 21(1996) 791-793	2114
Threshold for spontaneous pattern formation in reflection-grating-dominated photorefractive media with mirror feedback	Honda T., Banerjee P.P.	OL 21(1996) 779-781	2115
Multimode structure of bright and dark vector solitons in photorefractive media	Krolikowski W., Akhmediev N., Luther-Davies B.	OL 21(1996) 782-784	2116
One-way image transmission with a pair of multimode optical fibers and a phase-conjugate mirror	Ogasawara T., Ohno M., Karaki K.	OL 20(1995) 2435-2437	2117
Femtosecond transillumination optical coherence tomography	Hee M.R., Izatt J.A., Jacobson J.M., Fujimoto J.G.	OL 18(1993) 950-952	2118
Depth-resolved holographic imaging through scattering media by photorefraction	Hyde S.C.W., Barry N.P., Jones R., Dainty J.C., French P.M.W.	OL 20(1995) 1331-1333	2119
Photorefractive effects in periodically poled ferroelectrics	Taya M., Bashaw M.C., Fejer M.M.	OL 21(1996) 857-858	2120
Differential phase-contrast microscope with a split detector for the readout system of a multilayered optical memory	Kawata Y., Juskaitis R., Tanaka T., Wilson T., Kawata S.	AO 35(1996) 2466-2470	2121
Design of algorithms for phase measurements by the use of phase stepping	Surrel Y.	AO 35(1996) 51-60	2122
Liquid-crystal point-diffraction interferometer for wave-front measurements	Mercer C.R., Creath K.	AO 35(1996) 1633-1642	2123

Fringe formation in multiaperture speckle shear interferometry	Mohan N.K., Sirohi R.S.	AO 35(1996) 1617-1622	2124
Coherent optical neural networks that have optical-frequency-controlled behavior and generalization ability in the frequency domain	Hirose A., Eckmiller R.	AO 35(1996) 836-843	2125
Intensity and phase measurements of nondiffracting beams generated with a magneto-optic spatial light modulator	Davis J.A., Carcole E., Cottrell D.M.	AO 35(1996) 593-598	2126
Nondiffracting interference patterns generated with programmable spatial light modulators	Davis J.A., Carcole E., Cottrell D.M.	AO 35(1996) 599-602	2127
Parallel optical logic using optical phase conjugation	Eichmann G., Li Y., Alfano R.R.	AO 26(1987) 194-196	2128
Elements of a unique bacteriorhodopsin neural network architecture	Haronian D., Lewis A.	AO 30(1991) 597-608	2129
Implementing receptive fields with excitatory and inhibitory optoelectrical responses of bacteriorhodopsin films	Takei H., Lewis A., Chen Z., Nebenzahl I.	AO 30(1991) 500-509	2130
Strong coupling between coherent gratings due to nonlinear spatial frequency mixing in $\text{Bi}_{12}\text{SiO}_{20}$	Andersen P.E., Buchhave P., Petersen P.M.	OC 128(1996) 185-192	2131
Phase conjugation in optical communication links with photorefractive Fe: KNbO_3	Medrano C., Zgonik M., Bernasconi P., Günter P.	OC 128(1996) 177-184	2132
Three-wave interaction solitons in a dispersive media with quadratic nonlinearity	Malomed B.A., Anderson D., Lisak M.	OC 126(1996) 251-254	2133
Observation of transverse spatial modulation in probe-pump configurations in BaTiO_3 : Ce	Xie P., Wu J., Dai J., Wang P., Zhang H.	OC 126(1996) 255-259	2134
In-plane displacement using objective speckles in photorefractive two-beam coupling: effect of multiple exposures	Kumar A., Kamra K., Singh K.	OC 126(1996) 135-142	2135
Hybrid optical processor for systems of nonlinear equations	Abushagur M.A.G., Mansour M.K., Choi P.-S., Caulfield H.J.	OC 124(1996) 542-549	2136
Phase conjugation behind an ordered multimode fibre bundle	Eichler H.J., Lui B., Duelk M., Lu Z., Chen J.	OC 123(1996) 412-422	2137
Geometrical theory of imaging and aberration correction in optical phase conjugation with an arbitrary frequency shift	Unsbo P.	JOSA A 13(1996) 104-111	2138
Efficient nonlinear algorithm for envelope detection in white light interferometry	Larkin K.G.	JOSA A 13(1996) 832-843	2139

Spectrally resolved four-wave mixing experiments on bulk GaAs with 14-fs pulses	Wehner M.U., Steinbach D., Wegener M., Marschner T., Stolz W.	JOSA B 13(1996) 977-980	2140
Gallium-induced inhibition of the photorefractive properties of sillenite crystals	Coya C., Zaldo C., Volkov V.V., Egorysheva A.V., Polgar K., Peter A.	JOSA B 13(1996) 908-915	2141
Phase-locked phase conjugation using a Brillouin lopp scheme to eliminate phase fluctuations	Ridley K.D., Scott A.M.	JOSA B 13(1996) 900-907	2142
Control of mutual spatial coherence of temporal features by reflexive photorefractive coupling	Zozulya A.A., Anderson D.Z., Saffman M.	JOSA B 13(1996) 41-48	2143
Non-steady-state photoelectromotive force in bipolar photoconductors with arbitrary level structure	Korneev N., Mansurova S., Stepanov S.	JOSA B 12(1996) 615-620	2144
Thermal dependence of the principal refractive indices of lithium triborate	Tang Y., Cui Y., Dunn M.H.	JOSA B 12(1995) 638-643	2145
Dynamics of two-polarization coupling in a nonlinear Bragg reflector	Sankey N.D., Brown T.G.	JOSA B 12(1995) 665-670	2146
Theory of low-threshold optical switching in nonlinear phase-shifted periodic structures	Radic S., George N., Agrawal G.P.	JOSA B 12(1995) 671-680	2147
Photorefractive self-trapping and deflection of optical beams	Sheng Z., Cui Y., Cheng N., Wei Y.	JOSA B 13(1996) 584-589	2148
Degenerate parametric amplification in photorefractive media: theoretical analysis	Pedersen H.C., Johansen P.M.	JOSA B 13(1996) 590-600	2149
Photorefractive screening solitons of high and low intensity	Segev M., Shih M., Valley G.C.	JOSA B 13(1996) 706-718	2150
Effects of optical activity on photorefractive spatial solitons in a biased $\text{Bi}_{12}\text{TiO}_{20}$ crystal	Singh S.R., Christodoulides D.N.	JOSA B 13(1996) 719-724	2151
New results on optical phase conjugation in semiconductor-doped glasses	Roussignol P., Ricard D., Lukasik J., Flytzanis C.	JOSA B 4(1987) 5-13	2152
Nondegenerate two-wave mixing in $\text{Cr}^{3+}:\text{Er}^{3+}:\text{YAlO}_3$	Skirtach A.G., Simkin D.J., Boothroyd S.A.	JOSA B 13(1996) 546-552	2153
Degenerate four-wave mixing in organic azo dyes chrysoidin and benzopurpurin 4B	Mailhot S., Galarneau P., Lessard R.A., Denariez-Roberge M.-M.	AO 27(1988) 3418-3421	2154
Measurement og the photorefractive phase shift by polarization interferometry	Ing R.K., Monchalin J.-P.	OL 18(1993) 852-854	2155
Ring self-pumped phase conjugator using total internal reflection in photorefractive strontium barium niobate	Cronin-Golomb M., Brandle C.D.	OL 14(1989) 462464	2156

Observation of high-order degenerate wave mixing in BaTiO ₃	Zhang Z., Hu G., Fu P., Ye P.	OL 13(1988) 761-763	2157
Gain and phase-conjugation fidelity of a four-wave Brillouin mirror based on methane	Gross R.W.F., Amimoto S.T., Garman-DuVall L.	OL 16(1991) 94-96	2158
Bistable oscillations with a self-pumped phase-conjugate mirror	Kwong S.-K., Yariv A.	OL 11(1986) 377-379	2159
Transverse-mode instability and chaos in an optical cavity with phase-conjugate mirror	Bochove E.J.	OL 11(1986) 727-729	2160
Reflectivity fluctuation in phase-conjugate resonators	Friberg A.T., Kauranen M., Nyholm K., Salomaa R.	OL 12(1987) 193-195	2161
Optical bistability of an aerosol particle	Arnold S., Leung K.M., Pluchino A.	OL 11(1986) 800-802	2162
Probe fluctuations in a phase-conjugate resonator	Friberg A.T., Kauranen M., Salomaa R.	OC 60(1986) 191-196	2163
Fluctuations in phase-conjugate Fabry-Perot resonators	Friberg A.T., Salomaa R.	ICO 14 (1987)	2164
One-dimensional vector spatial soliton in photorefractive crystal with drift nonlinearity: formation conditions and some properties	Gomez C.M., Sanchez Mondragon J.J., Stepanov S., Vysloukh V.A.	JMO 43(1996) 1253-1260	2165
Optical control of the spatial modulation of light in a liquid-crystal interferometer	Dumarevskii Y.D., Kovtonyuk N.F., Kompanets N.N., Parfenov A.V., Savin A.I.	SPD 31(1986) 319-321	2166
Spatial polarization wavefront reversal under conditions of four-wave mixing in biochrome films	Korchenskaya E.Y., Soskin M.S., Taranenko V.B.	SJQE 17(1987) 450-454	2167
Overview of research in holovideo at MIT	Lucente M.	Netz (1996)	2168
Advances in development and applications of optically controlled liquid crystal spatial light modulators	Vasiliev A.A., Kompanets I.N., Parfenov A.V.	Optik 67(1984) 223-236	2169
Ferroelectric liquid crystal spatial light modulators and their applications	Kurokawa T., Fukushima S.	FE 149(1993) 245-254	2170
Investigation of non-cavity optical bistability and hysteresis in wave-front conjugation by cadmium sulfide crystal	Brodin M.S., Borshch A.A., Volkov V.I., Kukhtarev N.V., Starkov V.N.	ICL '82 35-39	2171
Bacteriorhodopsin wildtype and variant aspartate-96 - asparagine as reversible holographic media	Hampp N., Bräuchle C., Oesterheit D.	BJ 58(1990) 83-93	2172
Photoinduced changes in sample containing bacteriorhodopsin	Markovsky P., Nikolova L., Todorov G., Todorov T.	SPIE 1183(1989) 117-123	2173
Bacteriorhodopsin, a dynamic high resolution optical recording material for parallel optical information processing	Kreuzer F.-H., Leigeber H., Maurer R., Miller A.	IDRC (1992) 175-178	2174

A compact and simple all optical evaluation method for piv recordings	Vogt A., Reichel F., Kompenhans J.	ISALT (1994)	2175
Diffraction analysis of photoanisotropic holography: an anisotropic saturation model	T. Huang, K.H. Wagner	JOSA B 13(1996) 282-299	2176
10,000 optical write, read, and erase cycles in an azobenzene sidechain liquid-crystalline polyester	N.C.R. Holme, P.S. Ramanujam, S. Hvilsted	JOSA B 13(1996) 282-299	2177
Photorefractive polymers for digital holographic optical storage	Burland D.M., Devoe R.G., Geletneky C. et al.	PAO 5(1996) 513-20	2178
Application of bacteriorhodopsin films in an adaptive-focusing schlieren system	Downie J.D.	AO 34(1995) 6021-6028	2179
Representation of birefringent filters by directly composed 4 x 4 materices	Mavrudis T., Mentel J., Schumann M.	AO 34(1995) 4217-4227	2180
Extinction measurements in diffusing mammalian tissue with heterodyne detection and a titanium: sapphire laser	Jarry G., Poupinet L., Watson J. Lepine T.	AO 34(1995) 2045-2054	2181
Nonlinear interferometry in Langmuir-Blodgett multilayers of polydiacetylene	Kajzar F., Messier J., Zyss J., Ledoux I.	OC 45(1983) 133-137	2182
Dynamics of phase-conjugated signals produced by a light-shift grating	Schiffer M., Cruse E., Lange W.	OC 116(1995) 143-148	2183
Thermal effects in optical phase conjugation in rhodamine 6G-doped copolymers of 2-hydroxyethyl methacrylate and methyl methacrylate	Costela A., Figuera J.M., Florido F., Garcia-Moreno I., Sastre R.	OC 119(1995) 265-274	2184
Nonlinear-optical properties of a poly(vinyl alcohol)-polyaniline interpenetrating polymer network	Petrov D.V., Gomes A.S.L., de Araujo C.B., de Souza J.M. et al.	OL 20(1995) 554-556	2185
Gain and exposure scheduling to compensate for photorefractive neutral-network weight decay	Goldstein A.A.Petrisor G.C., Jenkins B.K.	OL 20(1995) 611-613	2186
Planar optical configurations for crossover interconnects	Song S.H., Lee E.H.	OL 20(1995) 617-619	2187
Optoelectronic neutral dendritic tree processing with electron trapping materials	Wen Z., Baek A., Farhat N.H.	OL 20(1995) 614-616	2188
Wave-front reconstruction with a Fourier hologram in a phase-conjugating mirror oscillator	Desfarges A., Kermene V., Colombeau B., Vampouille M., Froehly C.	OL 20(1995) 1940-1942	2189
Photorefractive optical fuzzy-logic processor based on grating degeneracy	Wu W., Yang C., Campbell S., Yeh P.	OI 20(1995) 922-924	2190

Degenerate four-wave mixing geometry in thin-film waveguides for nonlinear material characterization	Malouin C., Villeneuve A., Vitrant G., Lessard R.A.	OL 21(1996) 21-23	2191
Spatial fidelity of photorefractive image correlators	Meigs A.D., Saleh B.E.A.	IEEE JQE 30(1994) 3025-3033	2192
Polarization dependent four-wave-mixing and two-photon coherence in solids	Sheik-Bahae M., Wang J., Canto-Said E.J., DeSalvo R. et al.	IEEE JQE 31(1995) 1270-1273	2193
Multiwave diffraction in saturable absorbers	Rao D.K., Sharma K.K.	JOSA B 12(1995) 658-664	2194
Coupled mode analysis of polarization volume hologram	Huang T., Wagner K.H.	IEEE JQE 31(1995) 372-390	2195
Modified critical angle method for measuring the refractive index of bio-optical materials and its application to bacteriorhodopsin	Song Q.W., Ku C.-Y., Zhang C., Gross R.B., Birge R.R., Michalak R.	JOSA B 12(1995) 797-803	2196
Influence of stimulated Brillouin scattering and optimum length in fiber four-wave mixing wavelength conversion	Inoue K., Hasegawa T., Toba H.	IEEE PTL 7(1995) 327-329	2197
New keratoscope optical system	Laskin A.V., Puryayev D.T.	OLT 27(1995) 157-162	2198
Photoinduced phase transitions in novel liquid-crystalline copolymers	Legge C.H., Whitcombe M.J., Gilbert A., Mitchell G.R.	JMC 1(1991) 303-304	2199
Photoinduced optical anisotropy of liquid-crystalline side-chain polymers with azochromophores by linearly polarized light of low intensity	Stumpe J., Müller L., Kreysig D., Hauck G. et al.	MMC 12(1991) 81-87	2200
Azo oxide gels for optical storage	Chaput F., Riehl D., Levy Y., Boilot J.-P.	CM 5(1993) 589-591	2201
Polarization shearing interferometer to evaluate a wavefront and its derivative	Echarri R., Dapuzo L.E.	PAO 6(1997) 55-60	2202
An algorithm for profilometry by white-light phase-shifting interferometry	Sandoz P.	JMO 43(1996) 1545-1554	2203
Four-wave-mixing interferometer	Tang N., Partanen J.P.	OL 21(1996) 1108-1110	2204
Transfer functions based on Bragg detuning effects for image-bearing holograms recording in photorefractive crystals	DeVre R., Heanue J.F., Gürkan K., Hesselink L.	JOSA A 13(1996) 1331-1344	2205
Effects of saturation on the nonlinear incoherent-erasure joint-transform correlator	Asimellis G., Khoury J., Woods Ch.	JOSA A 13(1996) 1345-1356	2206
Signal generated by an extra-solar-system planet detected by a rotating rotationally shearing interferometer	Scholl M.S.	JOSA A 13(1996) 1584-1592	2207
Polarization characterization of a Mach-Zehnder interferometer	Mabrouki A., Gadonna M., LeNaour R.	AO 35(1996) 3591-3596	2208

Readout of three-dimensional optical memories	Wilson T., Kawata Y., Kawata S.	OL 21(1996) 1003-1005	2209
Optically controlled imaging phase mask element	Vartak S.D., Lawandy N.M.	OL 21(1996) 1198-1200	2210
Performance evaluation of a photorefractive novelty filter for motion tracking and edge enhancement	Mathey P., Jullien P., Dazzi A., Mazue B.	OC 129(1996) 301-310	2211
Amplification of optical signals in Bi ₁₂ TiO ₂₀ crystal by photorefractive surface waves	Khomenko A.V., Garcia-Weidner A., Kamshilin A.A.	OL 21(1996) 1014-1016	2212
Off-Bragg model for the photorefractive phase-conjugate resonator	Korwan D.R., Indebetouw G.	OC 129(1996) 205-211	2213
Multibeamlet competition in a unidirectional photorefractive ring oscillator using a computer generated hologram	Hung K.M., Gutierrez-Castrejon R., Hall T.J.	OC 129(1996) 245-255	2214
Numerical modelling of space charge field in a photorefractive material illuminated by a nonsinusoidal light intensity pattern	Turalski W., Miniewicz A.	OC 128(1996) 385-392	2215
Pattern dynamics in photorefractive bidirectional ring-resonator experiments	Chen Z., McGee D., Abraham N.B.	JOSA B 13(1996) 1482-1490	2216
Contradirectional two-wave mixing with partially coherent waves in photorefractive crystals	Yi X., Lin S.H., Yeh P., Hsu K.Y.	OL 21 (1996) 1123-1125	2217
Recording of photorefractive holograms by an AC field perpendicular to the grating vector	Miklyayev Y.V., Safonov V.I.	PAO 5(1996) 445-451	2218
Threshold for spontaneous pattern formation in reflection-grating-dominated photorefractive media with mirror feedback	Honda T., Banerjee P.P.	OL 21(1996) 779-781	2219
Phase conjugation in Cr ⁴⁺ : YAG at 1.06 μm	Brignon A., Huignard J.-P.	OL 21(1996) 1126-1128	2220
Contradirectional two-wave mixing with partially coherent waves in photorefractive crystals	Yi X., Lin S.H., Yeh P., Hsu K.Y.	OL 21(1996) 1123-1125	2221
Photorefractive effect in a BaTiO ₃ crystal at the 1.5-μm wavelength regime by two-photon absorption	Horowitz M., Fischer B., Barad Y., Silberberg Y.	OL 21(1996) 1120-1122	2222
Holographic grating formation in photopolymers	Piazzolla S., Jenkins B.K.	OL 21(1996) 1075-1077	2223
Pulsed-laser deposition and optical properties of completely (001) textured optical waveguiding LiNbO ₃ films upon SiO ₂ /Si substrates	Hu W.S., Liu Z.G., Lu Y.-Q., Zhu S.N., Feng D.	OL 21(1996) 946-948	2224
Transient four-wave mixing with a collinear pump and probe	Mecozzi A., Mork J., Hofmann M	OL 21(1996) 1017-1019	2225

Bit-error rate and statistics of complex amplitude noise in holographic data storage	Gu C., Sornat G., Hong J.	OL 21(1996) 1070-1072	2226
Self-pumped phase conjugation with femtosecond pulses by use of BaTiO ₃	Yau H.-F., Wang P.-J., Pan E.-Y.	OL 21(1996) 1168-1170	2227
Comparison of degenerate four-wave mixing line shapes from population- and thermal-grating scattering	Danehy P.M., Farrow R.L.	JOSA B 13(1996) 1412-1418	2228
Effect of four-wave mixing on copropagation spatial solitons	Ansari N.A., Sammut R.A., Tran H.-T.	JOSA B 13(1996) 1419-1425	2229
Experimental modal analysis of the spatiotemporal dynamics of a linear photorefractive phase-conjugate resonator	Korwan D.R., Indebetouw G.	JOSA B 13(1996) 1473-1481	2230
Hologram recording in Zn-doped LiNbO ₃ crystals	Volk T.R., Razumovski N.V., Mamaev A.V., Rubinina N.M.	JOSA B 13(1996) 1457-1460	2231
Light-induced charge transport properties of Sr _{0.61} Ba _{0.39} Nb ₂ O ₆ : Ce crystals	Buse K., van Stevendaal U., Pankrath R., Krätzig E.	JOSA B 13(1996) 1461-1467	2232
Phase locking of multiple stimulated Brillouin scattering by a phase-conjugate laser resonator	Lamb R.A., Damzen M.J.	JOSA B 13(1996) 1468-1472	2233
Pattern dynamics in photorefractive bidirectional ring-resonator experiments	Chen Z., McGee D., Abraham N.B.	JOSA B 13(1996) 1482-1490	2234
Experimental comparison of the ac field and the moving-grating holographic-recording techniques for Bi ₁₂ SiO ₂₀ and Bi ₁₂ TiO ₂₀ photorefractive crystals	Sochava S.L., Mokrushina E.V., Prokofev V.V., Stepanov S.I.	JOSA B 10(1993) 1600-1604	2235
Eikonal theory and computer algebra II	Walter A.	JOSA A 13(1996) 1763-1765	2236
Crystallographic heterodyne phase detection for highly sensitive lattice-distortion measurements	Takeda M., Suzuki J.	JOSA A 13(1996) 1495-1500	2237
Diffraction properties of volume volume holographic diffusers	Gu C., Lien J.-R., Dai F., Hong J.	JOSA A 13(1996) 1704-1711	2238
Excited-state absorption and pump propagation effects on optical phase conjugation in a saturable absorber	Miyayaga S., Ohtateme H., Kawano K., Fujiwara H.	JOSA B 10(1993) 1069-1076	2239
Phase conjugation in optical communication links with photorefractive Fe: KNbO ₃	Medrano C., Zgonik M., Bernasconi P., Günter P.	OC 128(1996) 177-184	2240
Optimization of photorefractive recording by means of light phase-shifts	Aguilar M., Serrano E., Lopez V., Carrascosa M., Agulló-Lopez F.	OC 116(1995) 398-404	2241
Eye-safe large field of view homodyne detection using a photorefractive CdTe: V crystal	deMontmorillon L.-A., Biaggio I., Delaye P., Launay J.-C., Roosen G.	OC 129(1996) 293-300	2242

The influence of longitudinal modes of lasers on the photorefractive two wave coupling	Sun Q., Xu J., Lui S., Lan G., Zhang C., Zhang G.	OC 129(1996) 189-192	2243
Coherence effects in a photorefractive ring oscillator	Krolikowski W.	OC 129(1996) 44-48	2244
Orientation of optic in wedged photorefractive crystals	Kos K., Siahmakoun A.Z.	OC 129(1996) 217-223	2245
Off-Bragg model for the photorefractive phase-conjugate resonator	Korwan D.R., Indebetouw G.	OC 129(1996) 205-211	2246
Pattern formation in a linear photorefractive oscillator	Mamaev A.V., Saffman M.	OC 128(1996) 281-286	2247
An improved photorefractive joint-transform correlator utilizing beam-fanning in a high-gain barium titanate crystal	Pati G.S., Roy A., Singh K.	OC 129(1996) 81-88	2248
Experimental investigation of the relationship between photorefractive and two-beam coupling response times	Matsushima S.-S., Tomita Y.	OC 128(1996) 287-291	2249
Programmable fuzzy associative memory processor	Shao L., Lui L., Li G.	OC 129(1996) 89-97	2250
A symmetry analysis in the mixed grating geometry of degenerate four-wave mixing in saturable-gain media	Gutierrez-Castrejon R., Hung K.M., Hall T.J.	OC 128(1996) 275-280	2251
Photorefractive circuitry and optical transistors	Belic M., Petrovic M., Kaiser F.	OC 123(1996) 657-664	2252
Writing and copying in volume holographic memories: approaches and analysis	Campbell S., Zhang Y., Yeh P.	OC 123(1996) 27-33	2253
Differential phase-contrast microscope with a split detector for the readout system of a multilayered optical memory	Kawata Y., Juskaitis R., Tanaka T., Wilson T., Kawata S.	AO 35(1996) 2466-2470	2254
Shift multiplexing with spherical reference waves	Barbastathis G., Levene M., Psaltis D.	AO 35(1996) 2403-2417	2255
Sparse-wavelength angle-multiplexed volume holographic memory system: analysis and advances	Campbell S., Yeh P.	AO 35(1996) 2380-2388	2256
Covariance-based approach to texture processing	Liu Z.Q., Madiraju S.V.R.	AO 35(1996) 848-853	2257
Large arrays of spatial light modulators hybridized to silicon integrated circuits	Worchesky T.L., Ritter K.J., Martin R., Lane B.	AO 35(1996) 1180-1186	2258
Integration of refractive micro-optical elements with differential-pair optical-thyristor arrays	Passon C., Moisel J., McArdle N., Eckert W., Brenner K.-H., Heremans P.	AO 35(1996) 1205-1211	2259
Realizing optical logic with a smart-pixel spatial light modulator	kane J.S., Grycewicz T.J., Kincaid T.G.	AO 35(1996) 1249-1252	2260
Shearing interferometer with a Kitty self-pumped phase-conjugate mirror	Sun C.-C., Tsou R.-H., Shen W., Chang H.-H., Chang J.-Y., Chang M.-W.	AO 35(1996) 1815-1819	2261
Analysis of the viewing zone of the Cambridge autostereoscopic display	Dodgson N.A.	AO 35(1996) 1705-1710	2262

Application of geometric phase techniques to stellar interferometry	Tango W.J., Davis J.	AO 35(1996) 621-623	2263
Optical implementation of visible gray-image morphology with the visual-area-coding technique	Konishi T., Taniguchi S., Tanida J., Ichioka Y.	AO 35(1996) 1234-1239	2264
Design and demonstration of a high-speed, multichannel, optical-sampling oscilloscope	Morrison R.L., Johnson S.G., Lentine A.L., Knox W.H.	AO 35(1996) 1187-1194	2265
Unwrapping of interferometric phase-fringe maps by the discrete cosine transform	Kerr.D., Kaufmann G.H., Galizzi G.E.	AO 35(1996) 810-816	2266
Dynamic holographic interferometry by photorefractive crystals for quantitative deformation measurements	Pouet B., Krishnaswamy S.	AO 35(1996) 787-794	2267
Lensless imaging by spatial Fourier synthesis holography	Arons E., Dilworth D.	AO 35(1996) 777-781	2268
Wigner distribution function applied to third-order aberrations	Dragoman D.	AO 34(1996) 161-168	2269
Direct image transmission through a multimode optical fiber	Son J.-Y., Bobrinev V.I., Jeon H.-W., Cho Y.-H., Eom Y.-S.	AO 35(1996) 273-277	2270
Coherent transient optical signal processing without brief pulses	Merkel K.D., Babbitt W.R.	AO 35(1996) 278-285	2271
Photorefractive processing for large adaptive phased arrays	Weverka R.T., Wagner K., Sarto A.	AO 35(1996) 1344-1366	2272
Convergence of backward-error-propagation learning in photorefractive crystals	Petrisor G.C., Goldstein A.A., Jenkins B.K., Herbulock E.J., Tanguay A.R.	AO 35(1996) 1328-1343	2273
Beam-fanning novelty filter with enhanced dynamic phase resolution	Rehn H., Kowarschik R., Ringhofer K.H.	AO 35(1996) 4907-4911	2274
Noise filtering in the interference pattern by dynamic holographic recording in photorefractive $\text{Bi}_{12}\text{TiO}_{20}$ crystals	Tontchev D., Sainov V., Stoilov G.	AO 35(1996) 3087-3090	2275
Optical, thermo-optic, electro-optic, and photoelastic properties of bismuth germanate ($\text{Bi}_4\text{Ge}_3\text{O}_{12}$)	Williams P.A., Rose A.H., Lee K.S., Conrad D.C., Day G.W., Hale P.D.	AO 35(1996) 3562-3569	2276
Robust phase-unwrapping method for phase images with high noise content	Charette P.G., Hunter I.W.	AO 35(1996) 3506-3513	2277
Self-pumped phase-conjugate interferometer with a photorefractive iron-doped lithium-niobate crystal	Jayanth P., Mohan R.K., Subramanian C.K.	AO 35(1996) 3534-3559	2278
Optical wvelet transform by the phase-only joint-transform correlator	Erbach P.S., Gregory D.A., Yang X.	AO 35(1996) 3117-3126	2279

Phase-only joint-transform correlator: analysis and experimental results	Erbach P.S., Gregory D.A., Hammock J.B.	AO 35(1996) 3091-3096	2280
Measurement of the spatial phase modulation of a ferroelectric liquid-crystal modulator	Löfving B.	AO 35(1996) 3097-3103	2281
Photorefractive recording by a special mechanism in planer LiNbO ₃ waveguides	Kip D., Rickermann F., Krätzig E.	OL 20(1995) 1139-1141	2282
Photorefractive beam coupling in tin hypthiodiphosphate in the near infrared	Odoulov S.G., Shumelyuk A.N., Hellwig U., Rupp R.A., Grabar A.A.	OL 21(1996) 752-754	2283
Optical wavelet-matched filtering by four-wave mixing in photorefractive media	Widjaja J., Tomita Y.	OC 117(1996) 123-126	2284
Real-time atmospheric compensation by stimulated Brillouin-scattering phase conjugation	Bruesselbach H., Jones D.C., Rockwell D.A., Lind R.C.	JOSA B 12(1995) 1434-1447	2285
Characteristics of a class of new opto-coupler amplifiers with positive feedback	Cheung W.N., Edwards P.J.	IEEE JQE 32(1996) 502-506	2286
Self-aligned imaging system using phase conjugate readout from elementary holographic grating	Konishi T., Tanida J., Ichioka Y.	OLT 28(1996) 83-87	2287
Real-time histogram generation using active optical scanning	Pieper R.J., Richstein J.K., Poon T.-C., Moore D.J.	OLT 28(1996) 171-178	2288
Multimode fiber-optic sensor using photorefractive double phase conjugator	Kamshilin A.A., Jaaskelainen T., Khomenko A.V., Garcia-Weidner A.	APL 67(1995) 2585-2587	2289
Nonlinear self-channeling of a laser beam at the surface of a photorefractive fiber	Kamshilin A.A., Raita E., Prokofiev V.V., Jaaskelainen T.	APL 67(1995) 3242-3244	2290
Two-wave mixing and fanning effect in Bi ₁₂ TiO ₂₀ under an alternating electric field	Tuovinen H., Kamshilin A.A., Ravattinen R., Prokofiev V.V., Jaaskelainen T.	OE 34(1995) 2641-2647	2291
Real-time interferometry by optical phase conjugation in dye-doped film	Fujiwara H.	SPIE 1507 (1991) 492-499	2292
Contribution of population or thermal grating to phase conjugation in saturable Xanthene-dye-doped polymer films	Kawano K., Nakagawa K., Fujiwara H.	JJ AP 32(1993) 5545-5548	2293
Synthesis and properties of polyesters having cyanoazobenzene units in the side chain	Sato M., Hayakawa M., Nakagawa K., Mukaida K.	MRC 15(1994) 21-29	2294
Growth of single-crystal photorefractive fibers of Bi ₁₂ SiO ₂₀ and Bi ₁₂ TiO ₂₀ by the laser-heated pedestal growth method	Prokofiev V.V., Andreea J.P., deLima C.J., Andreea M.R.B., Hernandes A.C. et al.	JCG 137(1994) 528-534	2295

Adaptive holographic interferometry for two-dimensional vibrational mode display	Bardosa E.A., Frejlich J., Prokofiev V.V., Andreetta J.P., Gallo N.J., Andreetta J.P.	OE 33(1994) 2659-2662	2296
The influence of temperature gradients on structural perfection of single-crystal sillenite fibers grown by the LHPG method	Prokofiev V.V., Andreetta J.P., deLima C.J., Andreetta M.R.B., Hernandes A.C. et al.	OM 4(1995) 521-527	2297
Growth and characterization of photorefractive $\text{Bi}_{12}\text{TiO}_{20}$ single crystals	Prokofiev V.V., Carvalho J.F., Andreetta J.P., Gallo N.J.H., Hernandes A.C. Frejlich J., Freschi A.A. et al.	CRT 30(1995) 171-176	2298
Constructively and destructively interfering diffraction in a photorefractive medium	Lee B., Yin E., Spiridon A., Gustafson T.K.	SPIE 2404 (1995) 328-335	2299
Photorefractive effect in a conjugated polymer based material	Li L., Chittibabu K.G., Chen Z., Chen J.I., Marturunkakul S., Kumar J., Tripathy S.K.	OC 125(1996) 257-261	2300
Red-shifted photochromic behavior of a bacteriorhodopsin film made from the L93T genetic variant	Downie J.D., Smithey D.T.	OL 21(1996) 680-682	2301
Polymeric photorefractive materials	Moerner W.E., Silence S.M.	Chem. Rev. 94(1994) 127-155	2302
Ultralong dark decay measurements in BaTiO_3	Bacher G.D., Chiao M.P., Dunning G.J., Klein M.B., Wechsler B.A.		2303
Coherent refreshment of dynamic photorefractive memories using phase conjugation	Denz C., Dellwig T., Rauch T., Tschudi T.		2304
Phenomenological analysis of the parametric scattering processes in photorefractive crystals	Sturman B.I., Goulikov M.Y., Odoulov S.G.	JOSA B 13(1996) 577-583	2305
Degenerate parametric amplification in photorefractive media: theoretical analysis	Pedersen H.C., Johansen P.M.	JOSA B 13(1996) 590-600	2306
Cascading nonlinearities in optical four-wave mixing	Zgonik M., Günter P.	JOSA B 13(1996) 570-576	2307
Mechanism of transverse instability of counterpropagation in photorefractive media	Sturman B., Chernykh A.	JOSA B 12(1995) 1384-1386	2308
Effect of phase-conjugate optical feedback on turn-on jitter in laser diodes	Revuelta J., Pesquera L., Hernandez-Garcia E., Mirasso C.R.	OL 20(1995) 2213-2215	2309
Generation of ultrashort light pulses in the mid-infrared ($3000\text{-}800\text{ cm}^{-1}$) by four-wave mixing	Okamoto H., Tasumi M.	OC 121(1995) 63-68	2310
Optical sensing with photorefractive double phase conjugate mirror	Kamshilin A.A., Khomenko A.V., Raita E., Jaaskelainen T.	SPIE 2778(1996) 1149-1150	2311
Laser beam self-channeling in a photorefractive waveguide	Kamshilin A.A., Raita E.	SPIE 2778(1996) 798-799	2312

Associative memory with spatio-temporal chaos control using partial Fourier information	Kushibe M., Liu Y., Ohtsubo J.	SPIE 2778(1996) 437-439	2313
Holographic associative memory using diode pumped solid-state laser	Zhang Y., Liu W., Li H.	SPIE 2778(1996) 501-502	2314
Holographic associative memory using wavelet-matched filters	Widjaja J., Wahab A., Tomita Y.	SPIE 2778(1996) 439-440	2315
Accurate addressing photorefractive holographic associative memory based on complementary encoding	Yuan S., Jin G., Wu M., Yan Y.	SPIE 2778(1996) 491-492	2316
Gain and pump-to-probe intensity ratio dependencies of response times in photorefractive two-beam coupling	Tomita Y., Matsushima S.	SPIE 2778(1996) 771-772	2317
Optical flip-flop based on beam-fanning	Kamra K., Singh K.	SPIE 2778(1996) 451-452	2318
Defect enhancement of periodic structure using dye-doped liquid-crystal cells	Kato J., Yamaguchi I.	SPIE 2778(1996) 557-558	2319
Defect enhancement in periodic patterns with a bacteriorhodopsin film	Okamoto T., Yamagata K., Yamaguchi I.	SPIE 2778(1996) 555-556	2320
New photorefractive ferroelectric for red and near infrared: Tin hypodiphosphate	Odoulov S., Shumelyuk A., Hellwig U., Rupp R., Brost G.	SPIE 2778(1996) 756-757	2321
Improvement of spatial beam profiles in beam combination using SBS mirrors	Shin Y.S., Kim H.S., Um K.Y., Park J.R., Byun J.O., Park H.S., Kong H.J.	SPIE 2778(1996) 856-857	2322
Photorefractive optical fuzzy-logic processor based on grating degeneracy	Wu W., Yang C., Campbell S., Yeh P.	OL 20(1995) 922-924	2323
Winner-take-all spatial light modulator	Slagle T.M., Wagner K.	OL 17(1992) 1164-1166	2324
Analog nonvolatile data storage and update in an optically addressed spatial light modulator	Robinson M.G.	OL 17(1992) 895-897	2325
Ferroelectric liquid-crystal-based binary optical memory employing feedback	Curlander J.C., Rice R.A., Cathey W.T.	AO 32(1993) 5759-5767	2326
Photorefractive adaptive filter structure with 40-dB interference rejection	Montgomery R.M., Lange M.R.	AO 30(1991) 2844-2849	2327
Bistability and nonlinearity in optically addressed ferroelectric liquid-crystal spatial light modulators: applications to neurocomputing	Killinger M., deBougrenet de la Tocnaye J.L., Cambon P., Chittick R.C., Crossland W.A.	AO 20(1992) 3930-3936	2328
Optical implementation of a wavelet transform by the use of dynamic holographic recording in a photorefractive material	Joseph J., Oura T., Minemoto T.	AO 34(1995) 3997-4003	2329
Wavefront control by an optical-feedback interferometer	Vorontsov M.A., Katulin V.A., Naumov A.F.	OC 71(1989) 35-38	2330

Holographic polarization interferometry	Alexandrov S.A.	PAO 5(1996) 767-776	2331
Dye-doped liquid crystal composite for real-time holography	Bartkiewicz S., Januszko A., Miniewicz A., Parka J.	PAO 5(1996) 799-809	2332
Photorefractive thin films	Agulló-Lopez F., Aguilar M., Carrascosa M.	PAO 5(1996) 495-503	2333
Microscope imaging through highly scattering media	Anderson G.E., Liu F., Alfano R.R.	OL 19(1994) 981-983	2334
Determination of the refractive index of highly scattering human tissue by optical coherence tomography	Tearney G.J., Brezinski M.E., Southern J.F., Bouma B.E., Hee M.R., Fujimoto J.G.	OL 20(1995) 2258-2260	2335
Extraction of quasi-straightforward-propagating photons from diffused light transmitting through a scattering medium by polarization modulation	Hironaka H., Hashimoto K., Wada K., Cho Y.	OL 20(1995) 1501-1503	2336
Polarization-difference imaging: a biologically inspired technique for observation through scattering media	Rowe M.P., Pugh E.N., Tyo J.S., Enghete N.	OL 20(1995) 608-610	2337
Dynamic holographic memory showing readout, refreshing, and updating capabilities	Boj S., Pauliat G., Roosen G.	OL 17(1992) 438-1007	2338
Fermat photons in turbid media: an exact analytic solution for most favorable paths - a step toward optical tomography	Poloshchuk A.Y., Alfano R.R.	OL 20(1995) 1937-1939	2339
Depth-resolved holographic imaging through scattering media by photorefraction	Hyde S.C.W., Barry N.P., Jones R., Dainty J.C., French P.M.W., Klein M.B., Wechsler B.A.	OL 20(1995) 1331-1333	2340
Three-dimensional reflective image reconstruction through a scattering medium based on time-gated Raman amplification	Moon J.A., Mahon R., Duncan M.D., Reintjes J.	OL 19(1994) 1234-1236	2341
Two-dimensional imaging through diffusing media using 150-fs gated electronic holography techniques	Chen H., Chen Y., Dilworth D., Leith E., Lopez J., Valdmanis J.	OL 16(1991) 487-489	2342
Holographic first-arriving-light signal-to-noise ratio enhancement by differential holography	Naulleau P., Dilworth D.	OL 20(1995) 2354-2356	2343
Femtosecond transillumination optical coherence tomography	Hee M.R., Izatt J.A., Jacobson J.M., Fujimoto J.G., Swanson E.A.	OL 18(1993) 950-952	2344
Time-gated imaging with an ultrashort-pulse, laser-produced-plasma x-ray source	Gordon C.L., Yin G.Y., Lemoff B.E., Bell P.M., Barty C.P.J.	OL 20(1995) 1056-1058	2345
Enhanced backscattering from a volume-scattering medium behind a phase screen	Dogariu A., Boreman G.D., Dogariu M.	OL 20(1995) 1665-1667	2346
Low-coherence reflectometry for stationary lateral and depth profiling with acousto-optic deflectors and a CCD camera	Knüttel A., Schmitt J.M., Knutson J.R.	OL 19 (1994) 302-304	2347

Fourier-transform method of fringe pattern analysis for computer-based topography and interferometry	Takeda M., Ina H., Kobayashi S.	JOSA 72(1982) 156-159	2348
Autocorrelating femtosecond pulses with thin bacteriorhodopsin films	Bouevitch O., Lewis A.	OC 116(1995) 170-174	2349
Multiplexed sensing using optical low-coherence reflectometry	Sorin W.V., Baney D.M.	IEEE PTL 7(1995) 917-919	2350
High resolution depth resolved imaging through scattering media using time resolved holography	Sheppard C.J.R., Connolly T.J., Gu M.	OC 117(1995) 16-19	2351
Comparative study of confocal and heterodyne microscope for imaging through scattering media	Kempe M., Rudolph W., Welsch E.	JOSA A 13(1996) 46-52	2352
High resolution depth resolved imaging through scattering media using time resolved holography	Hyde S.C.W., Barry N.P., Jones R., Dainty J.C., French P.M.W.	OC 122(1996) 111-116	2353
Fidelity of phase-conjugated beams in a four-wave mixing set-up using Bi ₁₂ TiO ₂₀ -crystals	Kiessling A., Baade T., Wenke L.	JMO 43(1996) 1525-1533	2354
An application of azo-dye-doped polymer films in optical signal processing using Fourier holograms	Fleck B., Dowling D.A., Wenke L.	JMO 43(1996) 1485-1493	2355
Four-beam laser interferometry for three-dimensional microscopic coordinate measurement	Nakamura O., Goto M.	AO 33(1994) 31-36	2356
Biological photochrome bacteriorhodopsin and its genetic variant Asp96 → Asn as media for optical pattern recognition	Hampp N., Thoma R., Oesterhelt D., Bräuchle C.	AO 31(1992) 1834-1841	2357
Sensitivity studies for imaging a spherical object embedded in a spherically symmetric, two-layer turbid medium with photon-density waves	Yao Y., Barbour R.L., Wang Y., Graber H.L., Chang J.	AO 35(1996) 735-747	2358
Optical tomography by the temporally extrapolated absorbance method	Oda I., Eda H., Tsunazawa Y., Takada M., Yamada Y., Nishimura G., Tamura M.	AO 35(1996) 169-175	2359
Elastic light-scattering measurements of single biological cells in an optical trap	Doornbos R.M.P., Schaeffer M., Hoekstra A.G., Sloot P.M.A., deGroot B.G., Greve J.	AO 35(1996) 729-734	2360
Three-dimensional sensing of rough surfaces by coherence radar	Dresel T., Häusler G., Venzke H.	AO 31(1992) 919-925	2361
Optical storage of information via refreshing by inverse seeding	Esselbach M., Kiessling A., Kowarschik R.	SPIE 2778(1996) 949-950	2362
Transverse optical structures in a ring resonator with intensity-phase coupling	Rehn H., Kowarschik R.	OL 21(1996) 1505-1507	2363

Beam-fanning novelty filter with enhanced dynamic phase resolution	Rehn H., Kowarschik R., Ringhofer K.H.	AO 34(1995) 4907-4911	2364
Measurement accuracy of interferometers with self-pumped phase-conjugate mirrors	Krause A., Notni G.	JOSA B 13(1996) 2558-2568	2365
Photorefractive novelty filters for transient phase evaluation	Rehn H. Esselbach M., Kowarschik R., Ringhofer K.H.	SPIE 2782(1996) 730-737	2366
Dynamic self-pumped phase-conjugating mirror based on the bacteriorhodopsin variant D96N: comment	Pepper D.M.	OL 20(1995) 943-944	2367
Bacteriorhodopsin variants for optical information processing: a new approach in material science	Hampf N., Thoma R., Bräuchle C., Kreuzer F.-H., Maurer R., Oesterhelt D.	in press	2368
Optical switch based on thermally-activated dye-doped biomolecular thin films	Cheng D.K., Liu Y., Sonek G.J.	IEEE PTL 7(1995) 366-369	2369
Quasi real-time digital version of single-exposure speckle photography for full-field monitoring of velocity or flow fields	Briers J.D., Webster S.	OC 116(1995) 36-42	2370
Holographic grating formation in dye- and fullerene C ₆₀ -doped nematic liquid-crystal film	Khoo I.C.	OL 20(1995) 2137-2139	2371
Multiple-hologram storage for thin layers of methyl orange dyes in polyvinyl alcohol matrices	Kong Y.L., Wang H., Tian M., Lin J.	OL 20(1995) 1495-1497	2372
Real-time resonant holography using bacteriorhodopsin thin films	Millerd J.E., Brock N.J., Brown M.S., DeBarber P.A.	OL 20(1995) 626-628	2373
Depth-resolved holographic imaging through scattering media by photorefractive	Hyde S.C.W., Barry N.P., Jones R. Dainty J.C., French P.M.W.	OL 20(1995) 1331-1333	2374
Effect of diffraction on early-arriving photons during femtosecond laser transillumination of highly scattering media of biological significance	Papazoglu T.G., Liu W.Q., Vasiliou A., Grassmel R., Kalpouzos C.	AO 35(1996) 3759-3762	2375
Time resolved propagation of ultrashort laser pulses within turbid tissues	Jacques S.L.	AO 28(1989) 2223-2229	2376
Clinical determination of tissue optical properties by endoscopic spatially resolved reflectometry	Bays R., Wagnieres g., Robert D., Braichotte D., Savary J.-F., Monnier P., van den Bergh H.	AO 35(1996) 1756-1766	2377
Measurement method of the refractive index of biological tissue by total internal reflection	Li H., Xie S.	AO 35(1996) 1793-1795	2378
Why do veins appear blue? A new look at an old question	Kienle A., Lilge L., Vitkin I.A., Paterson M.S., Wilson B.C., Hibst R., Steiner R.	AO 35(1996) 1151-1160	2379

Efficient optical phase conjugation in methyl-orange-doped polyvinyl alcohol film	Egami C., Nakagawa K., Fujiwara H.	JJ AP 31(1992) 2937-2940	2380
Organic dye-doped polymer films for optical phase-conjugate processing	Fujiwara H., Takeda T., Nakagawa K.	OR 1(1992) 243-245	2381
Wave propagation in random media with fluctuating turbulent parameters	Tatarskii V.I., Zavorotnyi V.U.	JOSA A 2(1985) 2069-2087	2382
Properties of coherent waves reflected in a turbulent medium	Kravtsov Y.A., Saichev A.I.	JOSA A 2(1985) 2100-2105	2383
Wave-kinetic method, phase-space path integrals, and stochastic wave propagation	Besieris I.	JOSA A 2(1985) 2092-2099	2384
Pattern formation in Bacteriorhodopsin thin films	Saffman M., Glückstad J.	Netz (1996)	2385
Optical coherence tomography (OCT) of human skin with a slow-scan CCD-camera	Brunner H., Strohm J., Hassel M., Steiner R.	SPIE 2626(1995) 273-282	2386
Strong fluctuations in light propagation in a randomly inhomogeneous medium	E.Wolf	PO (1980) 207-255	2387
Improving soliton transmission by filters and optical phase conjugation	Chi S., Dung J.-C., Wen S.	SPIE 2778(1996) 132-134	2388
Noise in $\chi^{(3)}$ and photorefractive amplifiers	Sternklar S., Glick Y.	OL 20(1995) 2369-2371	2389
Four-wave mixing characteristics in a phase-conjugated fiber system	Zhang X.	OC 123(1996) 607-610	2390
Effect of residual dispersion on the phase-conjugation fiber on dispersion compensation in optical communication systems	Yu M., Agrawal P., Mckinstrie C.J.	IEEE PTL 7(1995) 932-934	2391
Gain dispersion and saturation effects in four-wave mixing in semiconductor laser amplifiers	Koltchanov I., Kindt S., Petermann K., Diez S., Ludwig R., Schnabel R., Weber H.G.	IEEE JQE 32(1996) 712-719	2392
Fluorescence and phase-conjugated signals of organic materials	Keinonen T., Riihola P., Peiponen K.-E.	AO 35(1996) 2030-2031	2393
Photorefractive processing for large adaptive phased arrays	Weverka R.T., Wagner K., Sarto A.	AO 35(1996) 1344-1366	2394
Dynamic holographic interferometry by photorefractive crystals for quantitative deformation measurements	Pouet B., Krishnaswamy S.	AO 35(1996) 787-794	2395
Diffraction efficiency of photorefractive index gratings	Guo R., Ling Z.	OC 125(1996) 101-104	2396
Diffraction analysis of layered structures of photorefractive gratings	De Vre R., Hesselink L.	JOSA A 13(1996) 285-295	2397

Two-dimensional steady-state photorefractive screening solitons	Shih M., Leach P., Segev M., Garrett M.H., Salamo G., Valley G.C.	OL 21 (1996) 324-326	2398
Photorefractive screening solitons of high and low intensity	Segev M., Shih M., Valley G.V.	JOSA B 13(1996) 706-718	2399
Effects of optical activity on photorefractive spatial solitons in a biased $\text{Bi}_{12}\text{TiO}_{20}$ crystal	Singh S.R., Christodoulides D.N.	JOSA B 13(1996) 719-724	2400
Edge enhancement of a phase-conjugate image with a mutually pumped phase conjugator	Yarrison-Rice J.M., Sharp E.J., Wood G.L., Neurgaonkar R.R.	AO 35(1996) 1904-1910	2401
Array of photorefractive waveguides for massively parallel optical intrconnections in lithium niobate	Matoba O., Itoh K., Ichioka Y.	OL 21(1996) 122-124	2402
Writing and copying in volume holographic memories approaches and analysis	Campbell S., Zhang Y., Yeh P.	OC 123(1996) 27-33	2403
Optically switched volume holographic elements	Malcuit M.S., Stone T.W.	OL 20(1995) 1328-1330	2404
Real-time image subtraction by phase conjugation using an erythrosin-B-doped-PVA film	Suzuki T., Egami C., Nakagawa K., Fujiwara H.	SPIE P 1213(1990) 120-125	2405
A spatial light modulator by using a methyl-red doped polyvinyl alcohol film	Takeda T., Nakagawa K., Fujiwara H.	NO 7(1994) 295-301	2406
Magnetophotorefractive effect in LiNbO_3 : Fe crystals: theory and experiments	Dam-Hansen C., Johansen P.M., Petersen P.M.	JOSA B 13(1996) 2286-2298	2407
Photorefractive grating formation in piezoelectric $\text{La}_3\text{Ga}_5\text{SiO}_{14}$: Pr^{3+} crystals	Dam-Hansen C., Johansen P.M., Fridkin V.M.	APL 69(1996) 2003-2005	2408
Observation of nondegenerate photorefractive parametric amplification	Pedersen H.C., Johansen P.M.	PRL 76(1996) 4159-4162	2409
Longitudinal, degenerate, and transversal parametric oscillation in photorefractive media	Pedersen H.C., Johansen P.M.	PRL 77(1996) 3106-3109	2410
Degenerate parametric amplification in photorefractive media: theoretical analysis	Pedersen H.C., Johansen P.M.	JOSA B 13(1996) 560-600	2411
Dynamic holographic interferometric-dhi sensor on adaptive supergrating	Dovgalenko G., Loutchkina I.	SPIE 2860(1996) 232-238	2412
Nonlinear combinations of gratings in drift-dominated recording in $\text{Bi}_{12}\text{SiO}_{20}$	Andersen P.E., Petersen P.M., Buchhave P.	JOSA B 12(1995) 2453-2462	2413
Holographic grating formation in photopolymers	Piazolla S., Jenkins B.K.	OL 21(1996) 1075-1078	2414
Fast mutually pumped phase conjugation at the surface of photorefractive bismuth titanium oxide crystals	Raita E., Kamshilin A.A., Prokofiev V.V., Jaaskelainen T.		2415

Four-wave-mixing interferometer	Tang N., Partanen J.P.	OL 21(1996) 1108-1110	2416
Nonlinear optical polymer electrets current practice	Bauer-Gogonea S., Gerhard-Multhaupt R.	IEEE TDEI 3(1996) 677-705	2417
Transient four-wave mixing with a collinear pump and probe	Mecozzi A., Mork J., Hofmann M.	OL 21(1996) 1017-1019	2418
Interferometric measurement of femtosecond pulse modulation via cascaded second-order nonlinear optical process	Kim C.M., Yoon C.S., Kim D.	SPIE 2778(1996) 783-784	2419
Experimental investigation of the relationship between photorefractive and two-beam coupling response times	Matsushima S., Tomita Y.	OC 128(1996) 287-291	2420
Very-high-gain single-pass two-beam coupling in blue Rh: BaTiO ₃	Kaczmarek M., Eason R.W.	OL 20(1995) 1850-1852	2421
Nonperturbative analytical solution for steady-state photorefractive recording	Serrano E., Carrascosa M., Agulló-Lopez F.	OL 20(1995) 1910-1912	2422
The physics of photopolymer-liquid crystal composite holographic gratings	Sutherland R.L., Natarajan L.V., Tondiglia V.P., Bunning T.J., Adams W.W.	SPIE 2689(1996) 158-168	2423
Ellipsometric measurements of poling birefringence, the Pockels effect, and the Kerr effect in high-performance photorefractive polymer composites	Kippelen S.B., Meerholz K., Peyghambarian N.	AO 35(1996) 2346-2354	2424
Strong coupling between coherent gratings due to nonlinear spatial frequency mixing in Bi ₁₂ SiO ₂₀	Andersen P.E., Buchhave P., Petersen P.M.	OC 128(1996) 185-192	2425
Optimization of the developing stage for fixed gratings in LiNbO ₃	Carrascosa M., Agulló-Lopez F.	OC 126(1996) 240-246	2426
10,000 optical write, read, and erase cycles in an azobenzene sidechain liquid-crystalline polyester	Holme N.C.R., Ramanujam P.S., Hvilsted S.	OL 21(1996) 902-904	2427
Effect of the oxidation state of LiNbO ₃ : Fe on the diffraction efficiency of multiple holograms	Burr G.W., Psaltis D.	OL 21(1996) 893-895	2428
Cationic ring-opening photopolymerization methods for volume hologram recording	Waldmann D.A., Ingwall R.T., Dhal P.K., Horner M.G., Kolb E.S., Li H.-Y.S., Minns R.A., Schild H.G.	SPIE 2689(1996) 127-141	2429
Optical effects caused by high laser power in ion-implanted Bi ₄ Ge ₃ O ₁₂ waveguides	Huang X., Jaque D., Vereda F., Fonrobert B., Chandler P.J., Townsend P.D.	JMO 43(1996) 1731-1743	2430
Single shot wave front measurement of sub-ps laser pulses	Edwards C.B., Lee P., Tatarakis M.,	SPIE 2375(1995) 254-260	2431
Pattern formation in a linear photorefractive oscillator	Mamaev A.V., Saffman M.	OC 128(1996) 281-286	2432

Stabilization of the speckle pattern of a multimode fiber undergoing bending	Anderson D.Z., Bolshtyansky M.A., Zel'dovich B.Y.	OL 21(1996) 785-787	2433
Transmission of the image signal with the use of a multimode fiber	Bolshtyansky M.A., Zel'dovich B.Y.	OC 123(1996) 629-636	2434
Comparison of beam propagation method and rigorous coupled-wave analysis for single and multiplex volume gratings	Ahmed S., Glytsis E.N.	AO 35(1996) 4426-4435	2435
Organization of data for monochromatic multiplex volume holography	Bashaw M.C., Heanue J.F., Hesselink L.	JOSA A 13(1996) 2174-2186	2436
Analysis of heterodyne and confocal microscopy for illumination with broad-bandwidth light	Kempe M., Rudolph W.	JMO 43 (1996) 2189-2204	2437
Spectral phase encoding for data storage and addressing	Lorgere I., Grelet F., Ratsep M., Tian M., LeGouet J.L., Sigel C., Roblin M.L.	JOSA B 13(1996) 2229-2234	2438
Underwater vehicles equipped with laser beacons and tracked from aircraft	Estes L.E., Garcia R.A., Lizotte C.D.	AO 35(1996) 4843-4849	2439
Real-time signal classification with an acousto-optic triple-product processor cascaded into a volume holographic classifier	Garvin C., Wagner K.	AO 35(1996) 3937-3944	2440
Volume-holographic memory for laser threat discrimination	DeLong M.L., Duncan B.D., Parker J.H.	JOSA B 13(1996) 2198-2208	2441
The one-step phase-shifting technique for wave-front interferometry	Ng T.W.	JMO 43(196) 2129-2138	2442
Topology-preserving mappings in a self-imaging photorefractively pumped ring resonator	Saffman M., Montgomery D., Zozulya A.A., Anderson D.Z.	CSF 4(1994) 2077-2092	2443
Complementary-encoding photorefractive optical processor for truth-table lookup	Yuan S., Yan Y., Jin G., Wu M.	AO 35(1996) 5246-5250	2444
Particle image velocimetry using wavelet-matched filters	Widjaja J., Tomita Y.	JMO 43(1996) 1993-1997	2445
Programmable spatial filtering with bacteriorhodopsin	Storrs M., Mehrl D.J., Walkup J.F.	AO 35(1996) 4632-4636	2446
Dynamic digital photorefractive memory for optoelectronic neural network learning modules	Sasaki H., Mauduit N., Ma J., Fainman Y., Lee S.H., Gray M.S.	AO 35(1996) 4641-4654	2447
Full-range, continuous, complex modulation by the use of two coupled-mode liquid-crystal televisions	Neto L.G., Roberge D., Sheng Y.	AO 35(1996) 4567-4576	2448
Harmonic and intermodulation performance of spatial light modulators	Abuelmaatti M.T.	AO 35(1996) 4563-4566	2449

Liquid-crystal projection image depixelization by spatial phase scrambling	Yang X., Jutamulia S., Li N.	AO 35(1996) 4577-4580	2450
Reconstruction of a vibrating object from its time-averaged image intensities by the use of exponential filtering	Nakajima N., Saleh E.A.	AO 35(1996) 4581-4588	2451
Time-encoded spatial routing in a photorefractive crystal	Rätsep M., Tian M., Grelet F., LeGouet J.-L., Sigel C., Roblin M.-L.	OL 21(1996) 1292-1294	2452
Analog nonvolatile optically addressed spatial light modulator	Robinson M.G., Tombling C.	OL 21(1996) 1588-1590	2453
Computer-generated pseudo-deep holograms	Lohmann A.W., Arrizon V.	JMO 43(1996)2381-2401	2454
Real-time phase-only matched filtering with dual liquid-crystal spatial light modulators	Ishii Y., Takahashi T., Kobayashi M.	OC 132(1996) 153-160	2455
Implementation of a novel optical half-adder	Yang C., Wu W., Yeh P.	OC 131(1996) 21-24	2456
			2457
Analysis of direct three-dimensional image transmission through optical fibers by the use of coherence methods	Naulleau P., Chen C., Leith E.	AO 35(1996) 3953-3962	2458
2k-grating-assisted self-pumped phase conjugation: theoretical and experimental studies	Lin S.H., Lian Y.W., Yeh P., Hsu K.Y., Yong Z.	JOSA B 13(1996) 1772-1779	2459
Theory of nonlinear multiple-grating interaction in diffusion-dominated photorefractive media	Pedersen H.C., Andersen P.E., Petersen P.M., Johansen P.M.	JOSA B 13(1996) 2569-2579	2460
Spatial differentiation of optical images using selective erasure of photorefractive holograms	Shin S.-H., Campbell S., Yeh P.	OC 130(1996) 20-24	2461
Light-induced director axis reorientation in a dye-doped ferroelectric liquid crystal and its application to self-aligned spatial filtering	Inoue T., Tomita Y.	JOSA B 13(1996) 1916-1920	2462
The execution of full text search on an optical computer	Guilfoyle P.S., Hessenbruch J.M., Berra P.B., Zeise F.F.	Netz	2463
Optimization of diffractive optical interconnect elements for high performance optoelectronic computing modules	McCallum D.S., Guilfoyle P.S., Stone R.V., Hessenbruch J.M. et al.	Netz	2464
Smart multichip module communications using free-space optical interconnects	McCallum D.S., Guilfoyle P.S.	Netz (SPIE)	2465
Relations between spontaneously occurring beams in bismuth silicon oxide with two frequency-detuned pump beams	Buchhave P., Lyuksyutov S., Vassetsov M.	OL 20(1995) 2363-2365	2466
Instability of moving gratings in photorefractive crystals	Sturman B.I., Mann M., Ringhofer K.H.	AP A 55(1992) 235-241	2467

2D silicom/ferroelectric liquid crystal spatial light modulators	Drabik T.J., Titus A.H., Handschy M.A., Banas D., Gaalema D., Ward D.J.	IEEE M 15(1995) 67-76	2468
Experimental investigation of solitary structures in a nonlinear optical feedback system	Schreiber A., Thüring B., Kreuzer M., Tschudi T.	OC 136(1997) 415-418	2469
Transverse instabilities in photorefractive counterpropagating two-wave mixing	Sanfuchs O., Leonardy J., Kaiser F., Belic M.R.	OL 22(1997) 498-500	2470
Intensity redistribution in a thin photorefractive crystal caused by strong fanning effect and internal reflections	Kamshilin A.A., Raita E., Khomenko A.V.	JOSA B 13(1996) 2536-2543	2471
Nonlinear spatial filtering with a dye-doped liquid-crystal cell	Kato J., Yamaguchi I., Tanaka H.	OL 21(1996) 767-769	2472
Optoelectronic fuzzy inference system based on beam-scanning architecture	Itoh H., Mukai S., Yajima H.	AO 33(1994) 1485-1490	2473
Application of wavelet-matched filters to holographic associative memories	Widjaja J., Tomita Y., Wahab A.	OC 132(1996) 217-220	2474
Optically aligned liquid crystals: physics and applications	Kosa T., Palffy-Muhoray P.	PAO 5(1996) 595-602	2475
Real-time enhancement of defects in periodic patterns by use a bacteriorhodopsin film	Okamoto T., Yamaguchi I.	OL 22(1997) 337-339	2476
Novelty filter that uses a bacteriorhodopsin film	Okamoto T., Yamaguchi I., Boothroyd S.A., Chrostowski J.	AO 36(1997) 508-511	2477
All-optical spatial light modulator with surface plasmon resonance	Okamoto T., Kamiyama T., Yamaguchi I.	OL 18(1993) 1570-1572	2478
Simultaneous measurement of thicknesses and refractive indices of multiple layers by a low-coherence confocal interference microscope	Fukano T., Yamaguchi I.	OL 21(1996) 1942-1944	2479
Joint transform correlator: aberrations in the joint spectrum and their influence on the correlation peak	Comastri S.A., Simon J.M., Fucci F.	PAO 6(1997) 173-189	2480
Fabrication of a side-polished fiber polarizer with a birefringent polymer overlay	Lee S.G., Sokoloff J.P., McGinnis B.P., Sasabe H.	OL 22(1997) 606-608	2481
Near-field scanning optical microscope using a gold particle	Okamoto T., Yamaguchi I.	JJ AP 36(1997) 166-169	2482
Error characteristics of read-only-memory versus write-once-read-many compact discs: CD-ROM versus CD-WORM	Tehranchi B., Howe D.G.	AO 35(1996) 5831-5838	2483
Two-dimensional wavelet processor	Ouzieli I., Mendlovic D.	AO 35(1996) 5839-5846	2484

Wide angular aperture holograms in photorefractive crystals by the use of orthogonally polarized write and read beams	Sarto A.W., Wagner K.H., Weverka R.T., Weaver S., Walge E.K.	AO 35(1996) 5765-5775	2485
Wavelet filter: pure-intensity spatial filters that implement wavelet transforms	Jiang Z., Ni M., Lu Q., Liu Z., Zhao Y.	AO 35(1996) 5758-5760	2486
Experimental demonstration of a phased-array antenna optically controlled with phase and time delays	Dolfi D., Joffre P., Antoine J., Huignard J.-P., Granger P.	AO 35(1996) 5293-5300	2487
Development and testing of a holographic projection system	Jiang W., Shealy D.L., Baker K.M.	AO 35(1996) 5994-5998	2488
Four-plane space-variant Fresnel-transform optical processor with a random phase encoder	Davis J.A., Tiangco R.P., Cottrell D.M., O'Shea D., Poutous M.K.	AO 35(1996) 3819-3828	2489
Analytical and numerical study of photorefractive kinetics high modulation depths	Serrano E., Carrascosa M., Agulló-Lopez F.	JOSA B 13(1996) 2587-2594	2490
Photorefractive materials: specifications relevant to applications	Delaye P., C-Jonathan J.M., Pauliat G., Roosen G.	PAO 5(1996) 541-559	2491
Polarization and energy transfer dependencies on crystal depth in self-diffraction in BSO	Pedersen H.C., Johansen P.M.B.	PAO 2(1993) 659-676	2492
Theory of nonlinear multiple-grating interaction in diffusion-dominated photorefractive media	Pedersen H.C., Andersen P.E., Petersen P.M., Johansen P.M.	JOSA B 13(1996) 2569-2579	2493
Fusion and birth of spatial solitons upon collision	Krolikowski W., Holmstrom S.A.	OL 22(1997) 369-371	2494
Effect of natural optical activity on the propagation of photorefractive solitons	Krolikowski W., Akhmediev N., Andersen D.R., Luther-Davies B.	OC 132 (1996) 179-189	2495
Self-bending photorefractive solitons	Krolikowski W., Akhmediev N., Luther-Davies B., Cronin-Golomb M.	PR E 54 (1996) 5761-5765	2496
Dynamic spatial structure of spontaneous beams in photorefractive bismuth silicon oxide	Buchhave P., Lyuksyutov S., Vasnetsov M., Heyde C.	JOSA B 13 (1996) 2595-2601	2497
Holographic-current study in laser and photorefractive crystals	Noginova N., Kukhtarev N., Noginov M.A., Chen B.S., Caulfield H.J., Venkateswarlu P.	JOSA B 13 (1996) 2622-2629	2498
Time evolution of the photorefractive phase conjugation process in BaTiO ₃	del Pino M., Limeres J., Carrascosa M.	OC 131 (1996) 211-218	2499
Diffraction efficiency enhancement of holographic gratings in Bi ₁₂ Ti _{0.76} V _{0.24} O ₂₀ crystals after recording	Rickermann F., Riehemann S., Buse K., Dirksen D., von Bally G.	JOSA B 13 (1996) 2299-2305	2500
Holographic storage dynamics in lithium niobate: theory and experiment	Yari A., Orlov S.S., Rakuljic G.A.	JOSA B 13 (1996) 2513-2523	2501

Fast mutually pumped phase conjugation using transient photorefractive coupling	Raita E., Kamshilin A.A., Prokofiev V.V., Jaaskelainen T.	APL 70 (1997) 1641-1643	2502
Broadband optical detection of ultrasound by two-wave mixing in a photorefractive crystal	Ing R.K., Monchalin J.-P.	APL 59 (1991) 3233-3235	2503
Diffraction-free planar beams in unbiased photorefractive media	Christodoulides D.N., Coskun T.H.	OL 21 (1996) 1460-1462	2504
Effects of optical bias on moving gratings in bismuth silicon oxide at large fringe modulation	Wang Z.Q., Cartwright C.M., Gillespie W.A., Cook N.J.	AO 35 (1996) 3829-3834	2505
Compact read-only memory with lensless phase-conjugate holograms	Zhao F., Sayano K.	OL 21 (1996) 1295-1297	2506
Dynamic solutions of the photorefractive two-wave coupling at large modulation depths	Zhou Z., Sun X., Li Y., Jiang Y., Zhao H., Xu K., Wan Q.	OC 132 (1996) 128-134	2507
Excitation of higher spatial harmonics by a moving light pattern in sillenites	McClelland T.E., Webb D.J., Sturman B.I., Shamonina E., Mann M., Ringhofer K.H.	OC 131 (1996) 315-321	2508
Characterization of photorefractive properties of "blue" Rh: BaTiO ₃ via nonlinear wave mixing	Kaczmarek M., Hribek P., Eason R.W.	JMO 43 (1996) 1817-1827	2509
Image transmission with a pair of graded-index optical fibers and a BaTiO ₃ phase-conjugate mirror	Ogasawara T., Ohno M., Karaki K., Nishizawa K., Akiba A.	JOSA B 13 (1996) 2193-2197	2510
Implementation of a photorefractive arithmetic logic unit for multiwavelength information processing	Wu W., Campell S., Yeh P.	JOSA B 13 (1996) 2549-2557	2511
Laser-diodes injection locking with a double phase-conjugate mirror in photorefractive Bi ₁₂ TiO ₂₀ fiberlike crystal under external alternating voltage	Kamshilin A.A., Jaaskelainen T., Spirin V.V., Khriachtchev L.Y., Onodera R., Ishii Y.	JOSA B (1997)	2512
Low-noise preamplifier for multistage photorefractive image amplification	Breugnot S., Rajbenbach H., Defour M., Huignard J.-P.	OL 20(1995) 1568-1570	2513
Randomly accessible, multilayered optical memory with a Bi ₁₂ SiO ₂₀ crystal	Kawata Y., Tanaka T., Kawata S.	AO 35(1996) 5308-5311	2514
Readout of a real-time hologram in bacteriorhodopsin film with high diffraction efficiency and intensity	Wang F., Liu L., Li Q.	OL 21(1996) 1697-1699	2515
Digital wavelength-multiplexed holographic data storage system	Lande D., Heanue F., Bashaw M.C., Hesselink L.	OL 21(1996) 1780-1507	2516
Numerical studies of externally pumped phase conjugation in photorefractive crystals with applied electric fields	Xie P., Dai J.-H., Wang P.-Y., Zhang H.-J.	OC 130(1996) 302-306	2517

Transverse optical structures in a ring resonator with intensity-phase coupling	Rehn H., Kowarschik R.	OL 21(1996) 1505-1507	2518
Multipage storage in a LiNbO ₃ :Fe crystal sheet using the photorefractive light-climbing effect	Fang Q., Xu J., Sun Q., Lui S., Zhang G., Ma C., Zhang G., Tian G.	AO 35(1996) 6744-6746	2519
Photon-echo novelty filter for measuring a sudden change in index of refraction	Zhang Y., Kachru R.	AO 35(1996) 6762-6766	2520
Determination of the force constant of a single-beam gradient trap by measurement of backscattered light	Friese M.E.J., Rubinsztein-Dunlop H., Heckenberg N.R., Dearden E.W.	AO 35(1996) 7112-7116	2521
Dynamics of hologram readout in photorefractive crystals for broken bragg-condition	Goltz J., Denz C., Tschudi T.	OC 68(19988) 228-230	2522
An improved photorefractive joint-transform correlator utilizing beam-fanning in a high-gain barium titanate crystal	Pati G.S., Roy A., Singh K.	OC 129(1996) 81-88	2523
Influence of the internal photoinduced electric field on the formation of self-pumped phase conjugation in doped (K _{0.5} Na _{0.5}) _{0.2} (Sr _{0.75} Ba _{0.25}) _{0.9} Nb ₂ O ₆ crystals	Zhang J., Liu H., Jia W.	AO 35(1996) 62416248	2524
Temperature dependent photorefractive properties of a Ce-doped BaTiO ₃ crystal	Dou S.X., Ding Y., Eichler H.J., Zhu Y., Ye P.X.	OC 131(1996) 322-326	2525
Holographic diffraction gratings recording in organically modified silica gels	Cheben P., Belenquer T., Nunez A., del Monte F., Levy D.	OL 21(1996) 1857-1859	2526
High gain and double phase conjugation with strongly doped Co:BaTiO ₃ in reflection grating configurations	Glick Y., Sternklar S.	OC 137(1997) 192-198	2527
Degenerate four-wave mixing using an optical parametric oscillator as an incoherent light source	Yanagawa T., Kurokawa Y., Kasai H., Nakanishi H.	OC 137(1997) 103-106	2528
Multiple phase conjugator and orthoscopic projection of a three-dimensional object in a Cu:KNSBN crystal	Zheng Y., Sasaki A., Gao X.	OC 136(1997) 437-440	2529
Self-pumped phase conjugation with picosecond and femtosecond pulses using BaTiO ₃	Yau H.-F., Wang P.-J., Pan E.-Y., Chen J., Chang J.Y.	OC 135(1997) 331-336	2530
Stabilization of an externally-pumped phase conjugator by the control of mean phases of incident beams	Nakamura A., Shimura T., Kuroda K.	OC 135(1997) 337-341	2531
Characterization of photorefractive rhodium doped barium titanate at 1.06 μm	Huot N., Jonathan J.M.C., Paulit G., Rytz D., Roosen G.	OC 135(1997) 133-137	2532
Photorefractive properties with multiple traps and two types of carriers in doped KNSBN crystals	Li Y., Hou F., Liu S., Sun W., Xu K.	OC 134(1997) 591-598	2533

Photorefractive two-wave mixing: complex amplitudes solutions in the case of a weak signal beam	Breugnot S., Defour M., Huignard J.P.	OC 134(1997) 599-606	2534
Phase shift between index and intensity patterns in photorefractive two-wave mixing experiments in InP:Fe	Chauvet M., Towe T., Salamo G.J., Bliss D.F., Bryant G., Iseler G	OC 134(1997) 211-217	2535
Contactless determination of the dominant photorefractive mobile charge by comparing cw and ps two-wave mixing	Juodkazis S., Netiksis V., Petrauskas M., Eichler H.J., Smandek B., Ding Y.	OC 134(1997) 227-232	2536
Transient modeling of double-pumped phase conjugation in inverted Nd:YAG	Udaiyan D., Syed K.S., Green R.P.M., Kim D.H., Damzen M.J.	OC 133(1997) 596-604	2537
Running space charge wave instability in photorefractive crystals	Korneev N.A., Sanchez-Mondragon J.J., Stepanov S.I.	OC 133(1997) 109-115	2538
Brillouin-enhanced four-wave-mixing vector phase-conjugate mirror with beam-combining capability	Bowers M.W., Boyd R.W., Hankla A.K.	OL 22(1997) 360-362	2539
Random gratings as correlator sensors	Ojeda-Castaneda J., Saucedo A.	OL 22(1997) 257-258	2540
Observation of interaction forces between one-dimensional spatial solitons in photorefractive crystals	Garcia-Quirino G.S., Iturbe-Castillo M.D., Vysloukh V.A., Sanchez-Mondragon J.J. et al.	OL 22(1997) 154-156	2541
Experimental demonstration of impulse-equivalent time-domain optical memory	Shen X.A., Kachru R.	OL 21(1996) 2020-2022	2542
Self-pumped phase conjugation in rhodium-doped BaTiO ₃ with 1.06- μ m nanosecond pulses	Brignon A., Huignard J.-P., Garrett M.H., Mnushkina I.	OL 22(1997) 215-217	2543
Circular harmonic filters for the recognition of marine microorganisms	Zavala-Hamz V.A., Alvarez-Borrego J.	AO 36(1997) 484-489	2544
Relative phase shifts of apertured Gaussian beams and transformation of a Gaussian beam through a phase aperture	Jiang Z., Lu Q., Liu Z.	AO 36(1997) 772-778	2545
White-light Fizeau interferometer	Schwinder J.	AO 36(1997) 1433-1437	2546
Compact, holographic correction of aberrated telescopes	Andersen G., Munch J., Veitch P.	AO 36(1997) 1427-1432	2547
Vibration-resistant phase-shifting interferometry	Deck L.	AO 36(1997) 6655-6662	2548
Analysis of lateral shearing interferograms by use of Zernike polynomials	Harbers G., Kunst P.J., Leibbrandt G.W.R.	AO 35(1996) 6162-6172	2549
Optical illustration of a varied fractional Fourier-transform order and the Radon-Wigner display	Mendlovic D., Dorsch R.G., Lohmann A.W., Zalevsky Z., Ferreira C.	AO 35(1996) 3925-3929	2550
Single-channel polychromatic pattern recognition by the use of a joint-transform correlator	Mendlovic D., Deutsch M., Ferreira C., Garcia J.	AO 35(1996) 6382-6389	2551

Spatially resolved phase imaging of a programmable liquid-crystal grating	Friedman L.J., Hobbs D.S., Lieberman S., Corkum D.L., Nguyen H.Q., Resler D.P., Sharp R.C., Dorschner T.A.	AO 35(1996) 6236-6240	2552
Robust, simple, and fast algorithm for phase unwrapping	Herraez M.A., Burton D.R., Lalor M.J., Clegg D.B.	AO 35(1996) 5847-5852	2553
Comparison of beam propagation method and rigorous coupled-wave analysis for single and multiplexed volume gratings	Ahmed S., Glytsis E.N.	AO 35(1996) 4426-4435	2554
Two-dimensional wavelet transform by wavelength multiplexing	Garcia J., Zalevsky Z., Mendlovic D.	AO 35(1996) 7019-7024	2555
Application of fuzzy-rule-based postprocessing to correlation methods in pattern recognition	Wolf T., Gutmann B., Weber H. et al.	AO 35(1996) 6955-6963	2556
Space-variant optical correlator based on the fractional Fourier transform: implementation by the use of a photorefractive Bi ₁₂ GeO _{2a} (BGO) holographic filter	Granieri S., Lasprilla M., Bolognini N. Sicre E.E.	AO 35(1996) 6951-6954	2557
one-step implementation of the optical hit-miss transform	Yuan S., Wu M., Yan Y., Jin G.	AO 35(1996) 6881-6887	2558
Reconfigurable lens with an electro-optical learning system	Takaki Y., Ohzu H.	AO 35(1996) 6896-6908	2559
Noise-free normalized fringe patterns and local pixel transforms for strain extraction	Yu Q., Andresen K., Osten W., Jueptner W.	AO 35(1996) 3783-3790	2560
New noise-suppression technique in photorefractive crystals	Zhang G., Lui S., Tian G., Xu J., Sun Q., Zhang G.	AO 36(1997) 1815-1819	2561
Direct pattern recognition of a motion picture by hole-burning holography of Eu ³⁺ :Y ₂ SiO ₅	Sasaki H., Karaki K.	AO 36(1997) 1742-1746	2562
Hadamard transforms of images by use of inexpensive liquid-crystal spatial light modulators	Macgregor A.E., Young R.I.	AO 36(1997) 1726-1729	2563
Wave-front correction and production of Zernike modes with a liquid-crystal spatial light modulator	Love G.D.	AO 36(1997) 1517-1524	2564
Object-binarized phase-only matched filtering with dual liquid-crystal spatial light modulators	Takahashi T., Ishii Y.	AO 36(1997) 1073-1085	2565
Parallel optical negabinary arithmetic based on logic operations	Li G., Liu L., Shao L., Yin Y., Hua J.	AO 36(1997) 1011-1016	2566
Optical wavelet processor by holographic bipolar encoding and joint-transform correaltion	Hirokawa K., Itoh K., Ichioka Y.	AO 36(1997) 1023-1026	2567
Optical transfer function design by use of a phase-only coherent transfer function	Zalevsky Z., Mendlovic D., Shabtay G.	AO 36(1997) 1027-1032	2568

Phased-array antenna, maximum-compression, reversible photonic beam former with ternary designs and multiple wavelengths	Riza N.A., Madamopoulos N.	AO 36(1997) 983-996	2569
Spatial light modulator based on a deformed-helix ferroelectric liquid crystal and a thin a-Si:H amorphous photoconductor	Cohen G.B., Pogreb R., Vinokur K., Davidov D.	AO 36(1997) 455-459	2570
α -Si:H-FLC: ferroelectric liquid-crystal-amorphous silicon novelty filter	Robinson M.G., Tombling C.	AO 36(1997) 443-454	2571
Effects of polarization state and scatterer concentration on optical imaging through scattering media	Morgan S.P., Khong M.P., Somekh M.G.	AO 36(1997) 1560-1565	2572
Implementation of a non-zero-order joint-transform correlator by use of phase-shifting techniques	Lu G., Zhang Z., Wu S., Yu F.T.S.	AO 36(1997) 470-483	2573
Digital holographic storage system incorporating thermal fixing in lithium niobate	Heanue J.F., Bashaw M.C., Daiber A.J., Snyder R., Hesselink L.	OL 21(1996) 1615-1617	2574
Vortex soliton motion and steering	Christou J., Tikhonenko V., Kivshar Y.S., Luther-Davies B.	OL 21(1996) 1649-1651	2575
Pure phase correlator with photorefractive filter memory	Duelli M., Pourzand A.R., Collings N., Dändliker R.	OL 22(1997) 87-89	2576
Subsurface defect detection in ceramics by high-speed high-resolution optical coherent tomography	Bashkansky M., Duncan M.D., Kahn M., Lewis III D., Reintjes J.	OL 22(1997) 61-63	2577
Near-infrared incoherent coupling and photorefractive response time of "blue" Rh:BaTiO ₃	Kaczmarek M., Hribek P., Eason R.W.	OC 136(1997) 277-282	2578
A novel internal linear cavity stimulated photorefractive scattering self-pumped phase conjugator	Mu X., Shao Z., Zhang L., Zhang J., Wang J., Jiang M.	OC 136(1997) 283-287	2579
Robust quadrature filters	Marroquin J.L., Figueroa J.E., Servin M.	JOSA A 14(1997) 779-791	2580
Speckle phase averaging in high-resolution color holography	Harthong J., Sadi J., Torzynski M., Vukicevic D.	JOSA A 14(1997) 405-410	2581
Transverse instability of a backward waves and relevant control parameters for self-pumped cat phase-conjugate mirrors	Lin H., Templeton J.E.	JOSA B 14(1997) 99-109	2582
Magnetophotorefractive effect in LiNbO ₃ :Fe crystals: theory and experiments	Dam-Hansen C., Johansen P.M., Petersen P.M., Fridkin V.M.	JOSA B 13(1996) 2286-2298	2583
Partial depletion of the image zero frequency means of the photorefractive effect: application to particle field holography	Özkul C., Geri I., Courel B.	PAO 6(1997) L19-L22	2584
The electromagnetic field in a uniformly moving crystal	Hillion P.	PAO 6(1997) 203-210	2585

Phase-object fractional differentiation using Fourier plane filters	Tajahuerce E., Szoplik T., Lancist J. et al.	PAO 6(1997) 481-490	2586
Near-field phase measurement by Fourier analysis of the fringe pattern	Charrat D., Bainier C., Courjon D., Girard C.	PAO 6(1997) 491-502	2587
Optoelectronic smart-pixel arrays for parallel processing	Wherrett B.S., Desmulliez M.P.Y.	PAO 5(1996) 747-753	2588
Real-time optical wavelet-transform with positive and negative signals	Hirokawa K., Itoh K., Ichioka Y.	OR 4(1997) 366-369	2589
Simplification of space-variant parallel logic operations using the temporal method	Hayasaki Y., Mori M., Yatagai T., Nishida N.	OR 4(1997) 305-308	2590
Photonic random optical memory access cache	Guilfoyle P.S., Stone R.V.	SPIE P 1662-22(1992)	2591
Smart multichip communications using free-space optical interconnects	McCallum D.S., Guilfoyle P.S.	SPIE (1996)	2592
Digital N^4 & N^5 free space optoelectronic ROM	Guilfoyle P.S., Hessenbruch J.M., Hesselink L.	SPIE 2297-54	2593
Phase difference determination by fringe pattern matching	Wang Z., Bryanston-Cross P.J., Whitehouse D.J.	OLT 28(1996)417-422	2594
Optical phase conjugator with spatially resolvable thresholding utilizing liquid crystal light valve	Pepper D.M.	Netz	2595
Asymmetry of two-wave coupling in cubic photorefractive crystals	Tuovinen H.	Vorabversion (1997)	2596
Asymmetry of two-wave coupling in cubic photorefractive crystals	Tuovinen H., Kamshilin A.A., Jaaskelainen T.	JOSA B 14(1997) 3383-3392	2596
Self-matched dynamic image filtering (Russian only)	Vachurin P.W., Korjakovzew W.S., Kotova W.S. et al.	Short communications in physics 10(1987) 29-31 (Russian only)	2597
Phase-shifting algorithms for nonlinear and spatially nonuniform phase shifts	Hibino K., Orek B.F., Farrant D.I., Larkin K.G.	JOSA A 14(1997) 918-930	2598
Phase shifting holographic double exposure interferometry with fast photorefractive crystals	Dirksen D., Matthes F., Riehemann S., von Bally G.	OC 134(1997) 310-316	2599
Self-pumped forward and backward phase conjugator with Cu-doped KNSBN crystal: caused by scattering-oscillation-amplification	Wang F., Liu L., Li G.	OC 134(1997) 195-198	2600
High efficiency self-pumped phase conjugation from 45°-cut Ce:BaTiO ₃	Zhu Y., Zhang D., Niu X., Wu X.	OC 134(1997) 205-210	2601
Time-dependent nonlinear photorefractive response to sinusoidal intensity gratings	Singh N., Nadar S.P., Banerjee P.P.	OC 136(1997) 487-495	2602

Three-dimensional optical storage inside transparent materials	Glezer E.N., Milosavljevic M., Huang L., Finlay R.J. et al	OL 21(1996) 2023-2025	2603
Superior real-time holographic storage properties in doped potassium sodium strontium barium niobate crystal	Li Y., Lui S., Yang M., Yang K., Xu K.	OL 22(1997) 212-214	2604
Topological map from a photorefractive self-organizing neutral network	Frauel Y., Galstyan T., Pauliat G., Villing A., Roosen G.	OC 135(1997) 179-188	2605
Phase conjugation of optical near fields by a surface hologram	Bozhevolnyi S.I., Vohnsen B.	OC 135(1997) 19-23	2606
Optical time-to-space converter	Boffi P., Pietralunga S., Martinelli M.	OC 123(1996) 473-476	2607
Activation of cerium-doped strontium-barium niobate for infrared holographic recording	Gerwens A., Simon M., Buse K., Krätzig E.	OC 135(1997) 347-351	2608
Time-resolved coherent and incoherent components of forward light scattering in random media	Yoo K.M., Alfano R.R.	OL 15(1990) 320-322	2609
Detection of moving objects embedded within scattering media by use of speckle methods	Naulleau P., Dilworth D., Leith E., Lopez J.	OL 20(1995) 498-500	2610
Rotation-invariant digital pattern recognition using circular harmonic expansion	Hsu Y.-N., Arsenault H.H., April G.	AO 21(1982) 4012-4015	2611
Optical pattern recognition using circular harmonic expansion	Hsu Y.-N., Arsenault H.H.	AO 21(1982) 4016-4019	2612
Diffusive media characterization with laser speckle	Thompson C.A., Webb K.J., Weiner A.M.	AO 36(1997) 3726-3734	2613
Resolution-enhanced detection of moving objects embedded within scattering media using time-gated speckle methods	Naulleau P., Dilworth D., Leith E., Lopez J.	AO 35(1996) 3065-3067	2614
Optical diffusion imaging: a comparative numerical and experimental study	Reynolds J.S., Przada A., Yeung S.P. Webb K.J.	AO 35(1996) 3671-3679	2615
Subtle effects of the substrate in optical disk data storage systems	Goodman T.D., Mansuripur M.	AO 35(1996) 6747-6753	2616
Three-map absolute moiré contouring	Xie X., Atkinson J.T., Lalor M.J., Burton D.R.	AO 35(1996) 6990-6995	2617
Optical profilometry of poly(methylmethacrylate) surfaces after reshaping with a scanning photorefractive keratectomy (SPRK) system	Manns F., Rol P., Parel J.-M., Schmid A., Shen J.-H., Matsui T., Söderberg P.	AO 35(1996) 3338-3346	2618
Reflection and transmission of light by diffusing suspensions	Orchard S.E.	JOSA 59(1969) 1584-1597	2619

Enhanced phase shift in a zeroth-order beam from subwavelength grating structures formed in uniaxial birefringent materials	Han C.-W., Kostuk R.K.	JOSA A 13(1996) 1728-1736	2620
Theory of speckle-pattern tomography in multiple-scattering media	Berkovits R. B., Feng S.	PRL 65(1990) 3120-3123	2621
Some effects of temporal coherence on the first order statistics of speckle	Parry G.	OA 21(1974) 763-772	2622
Scattering and imaging with diffusing temporal field correlations	Boas D.A., Campbell L.E., Yodh A.G.	PRL 75(1995) 1855-1858	2623
Effects of finite laser coherence in quasielastic multiple scattering	Bellini T., Glaser M.A., Clark N.A.	PR A 44(1991) 5215-5223	2624
Speckle fluctuations and biomedical optics: implications and applications	Briers J.D.	OE 32(1993) 277-283	2625
Time resolved reflectance and transmittance for the noninvasive measurement of tissue optical propagatities	Patterson M.S., Chance B., Wilson B.C.	AO 28(1989) 2331-2336	2626
Optical transmission in disordered media	Genack A.Z.	PRL 58(1987) 2043-2046	2627
Temporal and spatial properties of the time-varying speckles of botanical spacimens	Xu Z., Joenathan C., Khorana B.M.	OE 34(1995) 1487-1501	2628
Light in flight and the holodiagram	Abramson N.H.	Tagungsband	2629
Principles of digital holography	Kreis T.M., Jüptner W.P.O.	Tagungsband	2630
Parallel detection of fringes for fast spectral imaging	Itoh K.	Tagungsband	2631
Holography for underwater inspection and measurement: an overview of current work	Foster E., Watson J.	OLT 29(1997) 17-23	2632
Investigation of grating recording in betacarotnen-polystyrene film	Keinonen T.	JMO 44(1997) 555-562	2633
Optimization of selective erasure in photorefractive memories	Aguilar M., Carrascosa M., Agulló-Lopez F.	JOSA B 14(1997) 110-115	2634
Photorefractive four-wave mixing with high-speed modulated beams	Li Y., Sun X., Jiang Y., Zhou Z., Xu K.	JOSA B 14(1997) 3378-3382	2635
Experimental realization of a multiproduct photorefractive correlation system for temporal signals	Goff J.R.	AO 36 (1997) 6627-6637	2636
Dipolar holographic gratings induced by the photorefractive process in potassium lithium tantalate niobate at the paraelectric phase	Agranat A.J., Razvag M., Balberg M., Leyva V.	JOSA B 14(1997) 2043-2048	2637

Phenomenological theory of photochromic media: optical data storage and processing with bacteriorhodopsin films	Timucin D.A., Downie J.D.	JOSA A 14(1997) 3285-3299	2638
General solution of contradirectional two-wave mixing in photorefractive crystals	Yi X., Yang C., Yeh P., Lin S., Hsu K.Y.	JOSA B 14(1997) 1396-1406	2639
Longitudinal, degenerate, and transversal photorefractive parametric oscillation: theory and experiment	Pedersen H.C., Johansen P.M.	JOSA B 14(1997) 1418-1427	2640
Degenerate four-wave mixing without slowly varying amplitude approximation	Farzad M.H., Tavassoly M.T.	JOSA B 14(1997) 1707-1715	2641
Detection of ultrasonic motion of a scattering surface by photorefractive InP:Fe under an applied dc field	Delaye P., Blouin A., Drolet D., deMontmorillon L.-A., Roosen G., Monchalain J.-P.	JOSA B 14(1997) 1723-1734	2642
Polarization backward-wave four-wave mixing in BaTiO ₃ :Fe using the photovoltaic effect	Jullien P., Mathey P., Lompré P., Novikov A., Odoulov S.	JOSA B 14(1997) 1735-1740	2643
Phase modulation in two-wave mixing for dynamically recorded gratings in photorefractive materials	Frejlich J., Garcia P.M., Ringhofer K.H., Shamonina E.	JOSA B 14(1997) 1741-1749	2644
Threshold for pattern formation in a medium with a local photorefractive response	Chernykh A.I., Sturman B.I., Aguilar M., Agulló-Lopez F.	JOSA B 14(1997) 1754-1760	2645
Transient phase measurement using a self-pumped phase-conjugate mirror as an optical-novelty filter	Esselbach M., Kiessling A., Rehn H., Fleck B., Kowarschik R.	JOSA B 14(1997) 846-851	2646
Holographic profilometry with a rhodium-doped barium titanate crystal and a diode laser	Millerd J.E., Brock N.J.	AO 36(1997) 2427-2431	2647
Spatial fidelity of externally pumped phase conjugation in photorefractive crystals	Xie P., Dai J., Wang P., Zhang H.	JOSA B 14(1997) 852-859	2648
Reflection gratings in self-pumped phase-conjugate mirrors	Nakagawa K., Zgonik M., Günter P.	JOSA B 14(1997) 839-845	2649
Volume hologram scheme using optical fiber for spatial multiplexing	Kang Y.H., Kim K.H., Lee B.	OL 22(1997) 739-741	2650
Two-wave mixing with partially coherent waves in high-speed photorefractive media	Yi X., Yeh P.	JOSA B 14(1997) 2885-2894	2651
Origin of temperature-dependent diffraction efficiency in self-enhanced readout from thermally fixed gratings in photorefractive barium titanate	Tomita Y., Matsushima S.	JOSA B 14(1997) 2877-2884	2652
Bistable phase-conjugate reflectivity controlled by a forward pump beam	Takayama Y., Okamoto A., Takamura M., Sato K.	JOSA B 14(1997) 2664-2669	2653

Solutions to vector four-wave mixing in cubic photorefractive materials	Fish D.A., Powell A.K.	JOSA B 14(1997) 2628-2640	2654
Read time for bacteriorhodopsin-film optical cache memory	Wang C.H., Bacon M., Kar A.K., Wherrett B.S., Baxter R.L.	JOSA B 14(1997) 2304-2309	2655
Coupling of orthogonally polarized eigenwaves in BaTiO ₃ by light-induced parametric scattering	Sturman B.I., Krätzig E., Odoulov S.G.	JOSA B 14(1997) 2295-2303	2656
Reflectivity enhancement due to linear absorption in photorefractive phase-conjugate mirrors with depleted pumps	Al-Rashed A., Tataronis J.A., Jost B.M., Kothari N.C., Saleh B.E.A.	JOSA B 14(1997) 2059-2066	2657
Quasi-stabilized ionic gratings in photorefractive media for multiplex holography	Bashaw M.C., Heanue J.F.	JOSA B 14(1997) 2024-2042	2658
Coupled photorefractive spatial-soliton pairs	Chen Z., Segev M., Coskun T.H., Christodoulides D.N., Kivshar Y.S.	JOSA B 14(1997) 3066-3077	2659
High-efficiency electro-optic grating switch with improved performance	Song Q.W., Wang X., Bussjager R.	AO 35(1996) 7031-7036	2660
Spatial fidelity of image amplification in photorefractive crystals	Xie P., Dai J., Wang P., Zhang H.	AO 35(1996) 7102-7107	2661
Stable injection locking of diode lasers through a phase-modulated double phase-conjugate mirror	Iida K., Shimura T., Kuroda K.	AO 36(1997) 2491-2404	2662
Two-wave and induced three-wave mixing on a thin Bi ₁₂ TiO ₂₀ hologram	Petrov M.P. Petrov V.M., Zouboulis I.S., Xu L.P.	OC 134(1997) 569-579	2663
Double two-beam mixing in photorefractive materials	Wang F., Liu B., Xu L.	JOSA B 13 (1996) 2775-2782	2664
Parametric amplification of a coherent light wave in photorefractive BaTiO ₃ by a single pump beam	Neumann J., Odoulov S.	OL 22(1997) 1858-1860	2665
Resonant two-wave mixing in photorefractive materials with the aid of dc and ac fields	Kalinin V.A., Shcherbin K., Solymar L., Takacs J., Webb D.J.	OL 22(1997) 1852-1854	2666
Enhancing the sensitivity of an adaptive holographic interferometer using non-Bragg diffraction orders	Petrov V., Denz C., Petter J., Tschudi T.	OL 22(1997) 1902-1904	2667
Intensity dependence and white-light gating of two-color photorefractive gratings in LiNbO ₃	Guenther H., Wittmann G., Macfarlane R.M., Neurgaonkar R.R.	OL 22(1997) 1305-1307	2668
Photorefractive power transfer from parallel laser diode amplifiers into a single output beam	Sprenger M., Ding Y., Pogany P., Roentgen P., Eichler H.	OL 22(1997) 1147-1149	2669
Self-focusing in photorefractive two-wave mixing	Vaupel M., Seror C., Dykstra R.	OL 22(1997) 1470-1472	2670
Prescription for long-lifetime, high-diffraction-efficiency fixed holograms in Fe-doped LiNbO ₃	Rakuljic G.A.	OL 22(1997) 825-827	2671

Grating oscillations in photorefractive crystals	Petrov M.P., Petrov V.M., Bryksin V.V., Zouboulis I., Gerwens A., Krätzig E.	OL 22(1997) 1083-1085	2672
Holographic approach to phase conjugation of optical near fields	Vohnsen B., Bozhevolnyi S.I.	JOSA A 14(1997) 1491-1499	2673
Enhanced stimulated photorefractive scattering self-pumped phase conjugator in Ce-doped BaTiO ₃ with external mirrors	Mu X., Shao Z., Zhang L., Jiang M., Luo H., Zhong W.	AO 36(1997) 5888-5892	2674
Photorefractive effect at the interface between a photoconductor and an electro-optic crystal	Nielsen M.J.H., Pulsford N.J., Feiner L.F.	JOSA B 15(1998) 73-78	2675
Diffraction-efficiency enhancement of photorefractive gratings in Bi ₄ Ti ₃ O ₁₂ at low temperatures	Yue X., Buse K., Mersch F., Krätzig E., Rupp R.A.	JOSA B 15(1998) 142-147	2676
Two kinetic regimes for high-temperature photorefractive phenomena in LiNbO ₃	Sturman B.I., Carrascosa M., Agulló-López F., Limeres J.	JOSA B 15(1998) 148-151	2677
Index of refraction, optical activity and electro-optic coefficient of bismuth titanium oxide (Bi ₁₂ TiO ₂₀)	Papazoglou D.G., Apostolidis A.G., Vanidhis E.D.	AP B 65(1997) 499-503	2678
Absorption gratings in ferroelectric Bi ₄ Ti ₃ O ₁₂	Yue X., Mersch F., Rupp R.A., Krätzig E.	AP B 65(1997) 505-509	2679
Photorefractive four-wave mixing with partially coherent light beams	Królikowski W.	AP B 65 (1997) 541-544	2680
Transillumination imaging through scattering media by use of photorefractive polymers	Steele D., Volodin B.L., Savina O., Kippelen B., et al.	OL 23(1998) 153-155	2681
Spectral dependence of cross-talk between photorefractive gratings in Bi ₁₂ SiO ₂₀ in diffusion regime	Vasnetsov M., Lyuksyutov S., Buchhave P., Andersen P.E., Petersen P.M.	AP B 65(1997) 523-526	2682
Photorefractive properties of ion-implanted waveguides in strontium barium niobate crystals	Kip D., Kemper B., Pankrath R., Moretti P.	AP B 65(1997) 511-516	2683
Light-induced charge transport processes in photorefractive crystals I: Models and experimental methods	Buse K.	AP B 64(1997) 273-291	2684
Light-induced charge transport processes in photorefractive crystals II: Materials	Buse K.	AP B 64(1997) 391-407	2685
Two-wave mixing bistability based on mixed grating formation in photorefractive crystals	Das T.K., Bhar G.C.	AP B 65(1997) 357-374	2686
Two-dimensional imaging of OH in a flame by using degenerate four-wave mixing in a forward geometry	Nyholm K.	AP B 64(1997) 707-712	2687

Anisotropy in the absorption and scattering spectra of chicken breast tissue	Marquez G., Wang L.V., Lin S.-P., Schwartz J.A., Thomsen S.L.	AO 37(1998) 798-804	2688
Imaging objects hidden in scattering media with fluorescence polarization preservation of contrast agents	Demos S.G., Wang W.B., Alfano R.R.	AO 37(1998) 792-797	2689
Noninvasive determination of the optical properties of two-layered turbid media	Kienle A., Patterson M.S., Dögnitz N., Bays R., Wagnières G., van den Bergh H.	AO 37(1998) 779-791	2690
Determination of tissue optical properties from diffuse reflectance profiles by multivariate calibration	Dam J.S., Andersen P.E., Dalgaard T., Fabricius P.E.	AO 37(1998) 772-778	2691
Three-dimensional location of fluorescent inhomogeneities in turbid media by scanning heterodyne holography	Indebetouw G., Kim T., Poon T.-C., Schilling B.W.	OL 23(1998) 135-137	2692
Tomographic reconstruction of transient acoustic fields recording by pulsed TV holography	Gren P., Schedin S., Li X.	AO 37(1998) 834-840	2693
New technique for wave-front reconstruction in optical telescopes	Bucci O.M., Capozzoli A., D'Elia G.D.	JOSA A 14(1997) 3394-3401	2694
Annihilation of photorefractive solitons	Królikowski W., Luther-Davies B., Denz C., Tschudi T.	OL 23(1998) 97-99	2695
High-electric-field poling of nonlinear optical polymers	Blum R., Sprave M., Sablotny J., Eich M.	JOSA B 15(1998) 318-328	2696
Incoherent-to-coherent conversion by use of the photorefractive fanning effect	Zhang J., Wang H., Yoshikado S., Aruga T.	OL 22(1997) 1612-1614	2697
Efficient and fast optical phase conjugation by use of two-photon-induced gratings in the orientation of angular momentum	Grove T.T., Rousseau E., Xia X.-W., Hsiung D.S., Shahriar M.S., Hemmer P.R.	OL 22(1997) 1677-1679	2698
Photorefractive optical lock-in vibration spectral measurement	Hale T.C., Telschow K.L., Deason V.A.	AO 36(1997) 8248-8258	2699
Off-Bragg analysis of the diffraction efficiency of transmission photorefractive holograms	Nonaka K.	AO 36(1997) 4792-4800	2700
Optical wavelet-matched filtering with bacteriorhodopsin films	Chen X., Zhang X., Chen K., Li Q.	AO 36(1997) 8413-8416	2701
Storage of 1000 holograms with use of a dual-wavelength method	Chuang E., Psaltis D.	AO 36(1997) 8445-8454	2702
Electrical fixing of 1000 angle-multiplexed holograms in SBN:75	Ma J., Chang T., Hong J., Neurgaonkar R., Barbastathis G., Psaltis D.	OL 22(1997) 1116-1118	2703
Double phase conjugation in copper-doped potassium sodium strontium barium niobate crystals	Zhang L., Zhang W., Chen X., Zhang G., Pan S., Zhang J., Shao Z., Han J., Chen H.	AO 36(1997) 4105-4109	2704

Asymptotic behavior of the boundary value problem of four-wave mixing in photorefractive media	Sica L.	AO 36(1997) 4142-4148	2705
A selection equilibrium theory for "stimulated photorefractive backscattering and four-wave mixing" self-pumped phase conjugation	Wang H., Zhang J., Yoshikado S., Aruga T.	AP B 66(1998) 207-211	2706
Model for multiwave-pumped parametric oscillation in BaTiO ₃	Sturman B.I., Limeres J., Carrascosa M., Neumann J.	AP B 66(1998) 347-354	2707
Systematics of two-wave mixing in a photorefractive polymer	Grunnert-Jepsen A., Thompson C.L., Moerner W.E.	JOSA B 15(1998) 905-913	2708
Amplified scattering in a high-gain photorefractive polymer	Grunnert-Jepsen A., Thompson C.L., Twieg R.J., Moerner W.E.	JOSA B 15(1998) 901-904	2709
Measurement of the spatial phase shift in high-gain photorefractive materials	Grunnert-Jepsen A., Thompson C.L., Moerner W.E.	OL 22(1997) 874-876	2710
Real-time photorefractive interferometer for dynamic phase perturbation by self-interference in LiNbO ₃	Sun Ch.-Ch., Tsou R.-H., Chang J.-Y., Chang M.-W.	AO 36(1997) 3581-3585	2711
Modes of resonators with dispersive phase-conjugate mirrors	Al-Rashed A.-A.R., Saleh B.E.A.	AO 36(1997) 3400-3412	2712
A high resolution real-time temporal heterodyne interferometer for refractive index topography	Rickermann F., Riehemann S., von Bally G., Breer S., Buse K.	OC 144(1997) 173-179	2713
Radio-frequency matched filtering by photorefractive optical holography	Sefler G.A., Gustafson T.K., Yin E., Spiridon A.	AO 36(1997) 7415-7421	2714
Motion-resolved imaging of moving objects embedded within scattering media by the use of time-gated speckle analysis	Naulleau P., Dilworth D.	AO 35(1996) 5251-5257	2715
Avalanche phase conjugation	Ni H., Rand S.C.	OL 17(1992) 1222-1223	2716
Analytical theory of four-wave mixing in semiconductor amplifiers	Mecozzi A.	OL 19(1994) 892-894	2717
Spatial characteristics of a laser oscillator formed by optically-written holographic gain-grating	Damzen M.J., Green R.P.M., Crofts G.J.	OC 110(1994) 152-156	2718
Determination of resonant and nonresonant third-order nonlinearities of organic molecules by phase-conjugate interferometry	Tackx P., Kauranen M., Persoons A.	OL 19(1994) 1113-1115	2719
Transient degenerate four-wave mixing in a saturable Nd:YAG amplifier: the effect of pump-beam propagation	Brignon A., Raffy J., Huignard J.-P.	OL 19(1994) 865-867	2720

High-reflectivity four-wave mixing by gain saturation of nanosecond and microsecond radiation in ND:YAG	Damzen M.J., Green R.P.M., Crofts G.J.	OL 17(1992) 1331-1333	2721
Influence of piezoelectric and photorefractive effects on pulse hologram recording in photorefractive crystals	Litvinov R., Shandarov S.	JOSA B 11(1994) 1204-1210	2722
Dimensionality and size of photorefractive spatial solitons	Duree G., Salamo G., Segev M., Yariv A., Crosignani B., Di Porto P., Sharp E.	OL 19(1994) 1195-1197	2723
Direct interferometric measurements of the nonlinear refractive index coefficient n_2 in laser materials	Bliss E.S., Speck D.R., Simmons W.W.	APL 25(1974) 728-730	2724
Measurement of nonlinear refractive-index coefficients using time-resolved interferometry: Application to optical materials for high-power neodymium lasers	Milam D., Weber M.J.	JAP 47(1976) 2497-2501	2725
Conjugation fidelity and bistability in a high-efficiency mutually pumped phase conjugator with ring channels	Zhang L., Zhang J., Shao Z., Mu X., Chen H., Jiang M.	OL 20(1995) 1456-1458	2726
Optimized phase conjugating mirror for interferometric arrangements	Erdmann A., Hesse G., Kowarschik R., Wenke L.	ETP 35(1987) 225-233	2727
Increase of light-beam coherence by two-wave mixing in photorefractive crystals	Bogodaev N.V., Ivleva L.I., Korshunov A.S., Polozkov N.M., Shkunov V.V.	JOSA B 10(1993) 2287-2289	2728
Photorefractive frequency converter and phase-sensitive detector	Khoury J., Ryan V., Cronin-Golomb M., Woods C.	JOSA B 10(1993) 72-82	2729
Analysis of the decay dynamics of laser-induced gratings in LiNbO ₃	Tyminski J., Powell R.C.	JOSA B 2(1985) 440-446	2730
Measurement of the photorefractive phase shift	Cudy R.S., Bacher G.D., Pierce R.M., Feinberg J.	OL 17(1992) 67-69	2731
Diffraction properties of fixed gratings in photorefractive media	Gu C., Yeh P.	JOSA B 7(1990) 2339-2346	2732
Analysis of holographic grating scattering pattern in LiNbO ₃	Chow H.C., Kliewer M.L., Tyminski J.K., Powell R.C.	JOSA B 3(1986) 668-676	2733
In-line Nd:YAG resonator using self-pumped phase conjugation in Cr ⁴⁺ :YAG	Sillard P., Grange C., Brignon A., Huignard J.-P.	OL 23(1998) 37-39	2734
Multiple holographic recording in photorefractive LiNbO ₃ using Q-switched 532 nm pulses	Tanaka T., Shimura T., Kuroda K.		2735
Numerical analysis of photorefractive recording by optical pulses	Murillo J.G.	PM (1997) 423-426	2736

Improved development of thermally fixed holograms in photorefractive Lithium Niobate crystals with high intensity laser pulses	Buse K., Breer S., Peithmann K., Krätzig	PM (1997) 234-237	2737
Photorefractive pulse coupling in the frequency domain	Yao X.S., Feinberg J.	OL 18(1993) 104-106	2738
Grating formation with very short pulses in photorefractive materials: weak excitation limit	Okamura H., Takeuchi K., Tanaka T., Kuroda K.	JOSA B 14(1997) 2650-2656	2739
Two-wave mixing in photorefractive BaTiO ₃ :Rh at 1.06 μm in the nanosecond regime	Huot N., Jonathan J.M.C., Roosen G., Rytz D.	OL 22(1997) 976-978	2740
Theory of a "stimulated photorefractive backscattering and four-wave mixing" self-pumped phase conjugator	Zhang J., Lian Y., Dou S.X., Ye P.	OC 110(1994) 631-637	2741
Photorefractive phase conjugators	Yeh P.	IEEE P80(1992) 436-450	2742
Coupledwave theory for thick hologram gratings	Kogelnik H.	BSTJ 48(1969) 2909-2947	2743
Narrow bandwidth volume holographic optical filter operating at the Kr transition at 1547.82 nm	Leyva V., Rakuljic G.A., O'Conner B.	APL 65(1994) 1079-1081	2744
Effect of an irregular pattern on wavelength selectivity in a volume hologram	Jang J.-H., Kang Y.-H., Lee H.	OL 20(1995) 2426-2428	2745
Spatioangular multiplexed storage of 750 holograms in an Fe:LiNbO ₃ crystal	Tao S., Selviah D.R., Midwinter J.E.	OL 18(1993) 912-914	2746
Optical data storage by using orthogonal wavelength-multiplexed volume holograms	Rakuljic G.A., Leyva V., Yariv A.	OL 17(1992) 1471-1473	2747
Measurement of the electro-optic coefficient of BSO crystals	Pellat-Finet P.	OC 50(1984) 275-280	2748
Propagation of light in an optically active electro-optic crystal of Bi ₁₂ SiO ₂₀ : Measurement of the electro-optic coefficient	Henry M., Mallick S., Rouède D., Celaya L.E., Weidner A.G.	JAP 59(1986) 2650-2654	2749
Hologram fixing in Bi ₁₂ TiO ₂₀ using heating and an ac electric field	McCahon S.W., Rytz D., Valley G.C., Klein M.B., Wechsler B.A.	AO 28(1989) 1967-1969	2750
Optical activity and Faraday rotation in Bismuth oxide compounds	Feldman A., Brower W.S., Horowitz D.	APL 16(1970) 201-202	2751
Optical activity and electrooptic effect in Bismuth Germanium oxide (Bi ₁₂ GeO ₂₀)	Lenzo P.V., Spencer E.G., Ballman A.A.	AO 5(1996) 1688-1689	2752
Electrical and optical properties of Bi ₁₂ SiO ₂₀	Aldrich R.E., Hou S.L., Harvill M.L.	JAP 42(1971) 493-494	2753
Transport processes of photoinduced carriers in Bi ₁₂ SiO ₂₀	Hou S.L., Lauer R.B., Aldrich R.E.	JAP 44(1973) 2652-2658	2754

Phase conjugation of broad-band laser pulses in BaTiO ₃	Danailov M.B., Diomande K., Apai P., Szpocs R.	JMO 45(1998) 5-9	2755
Real-time holographic interferometry with sillenite crystals: abreadboard system for industrial applications II. Optimization.	Georges M.P., Lemaire Ph.C.	PM (1997) 637-640	2756
Digital holographic data storage using. Non-volatile recording in Lithium Niobate	Hesselink L., Orlov S.S., Akella A., Lande D., Liu A.	PM (1997) 36-39	2757
Realization of a high-capacity holographic memory for analog and digital data storage based on phase-encoded multiplexing	Denz C., Rauch T., Müller K.-O., Heimann T., Trumpfheller J., Tschudi T.	PM (1997) 232-233	2758
Backward degenerate four-wave mixing in cadmium telluride	Kremenitskii V., Odoulov S., Soskin M.	Phys. stat. sol. (a) 57(1980) 71-74	2759
Polarization-shifting method for step interferometry	Frins E.M., Dultz W., Ferrari J.A.	PAO 7(1998) 53-60	2760
Characterization of chaos in a hybrid optically bistable device	Hopf F.A., Kaplan D.L., Rose M.H., Sanders L.D.	PR L 57(1986) 1394-1397	2761
Analysis of dynamic pattern formation in nonlinear Fabry-Perot resonator	Kreuzer M., Gottschling H., Neubecker R., Tschudi T.	AP B 59(1994) 581-589	2762
Reconfigurable interconnection using fixed regional angular volume holograms in photorefractive materials	Wang F., Liu L., Li G., Liu B., Wang Z.	JMO 45(1998) 153-165	2763
Decision theory approach to nonlinear joint-transform correlation	Réfrégier P., Goudail F.	JOSA A 15(1998) 61-67	2764
Optimal target tracking on image sequences with a deterministic background	Goudail F., Réfrégier P.	JOSA A 14(1997) 3197-3207	2765
Fractional fourier transform description with use of differential operators	Ruiz B., Rabal H.	JOSA A 14(1997) 2905-2913	2766
Significance of phase and amplitude in the fourier domain	Lohmann A.W., Mendlovic D., Shabtay G.	JOSA A 14(1997) 2901-2904	2767
Polarization eigenstates for twisted-nematic liquid-crystal displays	Davis J.A., Moreno I., Tsai P.	AO 37(1998) 937-945	2768
Improved feature extraction by use of a joint wavelet transform correlator	Soon B.Y., Alam M.S., Karim M.A.	AO 37(1998) 821-9'827	2769
Spatial-frequency response of photorefractive phase conjugators with Ce:BaTiO ₃	Yang C., Seta K., Zhu Y.	AO 37(1998) 352-360	2770
Stability of a diode laser with phase-conjugate feedback	van der Graaf W.A., Pesquera L., Lenstra D.	OL 23(1998) 256-258	2771
Optical Kerr-like response of dye-doped nematics	Santamato E., Abbate G., Colicchio M., Maddalena L., Massera E., Paparo D.	PAO 7(1998) 191-199	2772

Liquid crystal as materials for real-time holographic optical devices	Miniewicz A., Parka J., Bartkiewicz S., Januszko A.	PAO 7(1998) 179-189	2773
Transient and time-resolved four-wave mixing with collinear pump and probe pulses using the heterodyne technique	Mecozzi A., Mork J.	PAO 7(1998) 335-344	2774
Effects of phase shifts on four-beam interference patterns	Fernandez A., Phillion D.W.	AO 37(1998) 473-478	2775
On the two-wave mixing in BaTiO ₃ with a self-bent pump beam	Danailov M.B., Biswas D.J.	AP B 66(1998) 197-199	2776
Temporal implementation of fourier-related transforms	Dragoman D., Dragoman M.	OC 145(1998) 33-37	2777
Complex amplitude modulation by use of liquid-crystal spatial light modulators	de Bougrenet dela Tognaye J.L., Dupont L.	AO 36(1997) 1730-1741	2778
Enhancement of phase-conjugate reflectivity with linear absorption in four-wave mixing systems	Jost B.M., Al-Rashed A.R., Tataronis J.A., Saleh B.A.	OC 144(1997) 222-226	2779
Signal-beam amplification by two-wave mixing in a liquid-crystal light valve	Brignon A., Bongrand I., Loiseaux B., Huignard J.-P.	OL 22(1997) 1855-1857	2780
Phase conjugation induced distortion correction and optical multistability in enhanced back scattering in nonlinear layered media	Jose J., Gupta S.D.	OC 145(1998) 220-226	2781
Fiber phase conjugators at 1064-nm, 532-nm, and 355-nm wavelengths	Eichler H.J., Kunde J., Liu B.	OL22(1997) 495-497	2782
Self-aligned dual-beam optical laser using photorefractive phase conjugation	Wang W., Chiou A.E., Sonek G.J., Berns W.M.	JOSA B 14(1997) 697-704	2783
Long-term continuous readout of a photorefractive memory with BaTiO ₃ postamplification	Colin J., Bann S., Rajbenbach H., Huignard J.-P.	AO 36(1997) 9304-9308	2784
Nonreciprocity of natural rotatory power	Bennett P.J., Dhanjal S., Svirko Y.P., Zheludev N.I.	OL 21(1996) 1955-1957	2785
Weighted distributed feedback structure for all-optical bistable devices	Nakatsuhara K., Mizumoto T., Munakata R., Naito Y.	AO 35(1996) 1507-1511	2786
Photorefraction in the ultraviolet: Materials and effects	Laeri F., Jungen R., Angelow G., Vietze U., Engel T., Würtz M., Hilgenberg D.	AP B 61(1995) 351-360	2787
Collinear and non-collinear sum-frequency mixing in β -BBO for a tunable 195-198 nm all-solid-state laser system	Lublinski J., Müller M., Laeri F., Vogler K.	AP B 61(1995) 529-532	2788
Reconfigurable computer generated holograms	Kirk A., Tabata T., Ishikawa M., Toyoda H.	OC 105(1994) 302-308	2789
Wavelet matched filtering using a photorefractive crystal	Wen M., Yin S., Purwardi P., Yu F.T.S.	OC 99(1993) 325-330	2790

Space -filling modular optics	Schamschula M.P., Caulfield H.J., Brown A.	OL 19 (1994) 689-691	2791
Injection locking and mode switching of a diode laser with a double phase-conjugate mirror	Shimura T., Tamura M., Kuroda K.	OL 18(1993) 1645-1647	2792
Transverse instability of a counterpropagating waves in photorefractive media	Saffman M., Montgomery D., Zozulya A.A., Kuroda K., Anderson D.Z.	PR A 48(1993) 3209-3215	2793
Assessment of the size, position, and optical properties of breast tumors in vivo by noninvasive optical methods	Fantini S., Walker S.A., Franceschini M.A., Kaschke M., Schlag P.M. et al.	AO 37(1998) 1982-1989	2794
Nonlinear singular optics	Soskin M.S., Vasnetsov M.V.	PAO 781998) 301-311	2795
High transient reflectivity of four-wave mixing in a BaTiO ₃ crystal by a pulsed pump beam	Takayama Y., Okamoto A., Sato K.	JOSA B 14(1997) 2570-2576	2796
Compact, integrated dynamic holographic memory with refreshed holograms	Drolet J.-J.P., Chuang E., Barbastathis G., Psaltis D.	OL 22(1997) 552-554	2797
Electron-hole competition in photorefractive Rb doped KNbO ₃	Zhang Z.G., Ding Y., Eichler H.J., Fu P., Shen D.Z., ma X.Y., Chen J.Y.	OC 142(1997) 279-282	2798
Spatial instabilities in a Kerr medium with single feedback mirror	Firth W.J.	JMO 37(1990) 151-153	2799
Interband photorefractive effects in KNbO ₃ induced by ultraviolet illumination	Montemezzani G., Rogin P., Zgonik M., Günter P.	OL 18(1993) 1144-1146	2800
Influence of ultraviolet irradiation on the optical absorption spectra of iron-doped triglycine sulphate (TGS) crystals and aqueous solutions	Montemezzani G., Hulliger J., Günter P., Fousek J.	Phys. stat. sol. (a) 127(1991) 529-534	2801
Phase gratings in Fe ³⁺ -doped triglycine sulphate single crystals recorded in the ultraviolet spectral region	Montemezzani G., Fousek J., Günter P., Stankowska J.	APL 56(1990) 2367-2369	2802
A non-pixelized electrically-addressed spatial light modulator (SLM) by combining an optically-addressed SLM with a CRT	Yoshida N., Toyoda H., Igasaki Y., Mukohzaka N., Kobayashi Y., Hara T.		2803
Fingerprint identification system with optical correlation	Toyoda H., Kobayashi Y., Mukohzaka N., Yoshida N., Igasaki Y., Hara T.		2804
Frame-rate displacement measurement system utilizing an ultra-high-speed shutter camera and an optical correlator	Toyoda H., Kobayashi Y., Mukohzaka N., Yoshida N., Hara T., Ohno T.	IEEE TIM 44(1995) 755-758	2805
Dynamics of incoherent bright and dark self-trapped beams and their coherence properties in photorefractive crystals	Coskun T.H., Christodoulides D.N., Mitchell M., Chen Z., Segev M.	OL 23(1998) 418-420	2806

Nondegenerate four-wave-mixing measurements of a resonantly induced refractive-index grating in a Nd:YAG amplifier	Antipov O.L., Kuzhelev A.S., Chausov D.V.	OL 23(1998) 448-450	2807
Threshold couplings of phase-conjugate mirrors with two interaction regions	Belic, Petrovic M., Sandfuchs O., Kaiser F.	OL 23(1998) 340-342	2808
Arrangement for optical autocorrelation	Reichel F., Gaertner E.	United States Patent	2809
Effects of system apertures and defocus on the measured phase shift in interferometric displacement measurements	Hansen R.S.	AO 37(1998) 340-349	2810
Image transmission through a thick dynamic distorter by the photorefractive fanning effect	Zhang J., Wang H., Yoshikado S., Aruga T.	OL 23(1998) 585-587	2811
Cascading solution of the space-charge field problem in ac field biased photorefractive media	Johansen P.M., Pedersen H.C., Pedersen T.G., Wyller J.	JOSA B 15(1998) 1168-1176	2812
Method for determining the two-beam coupling gain coefficients of photorefractive crystals	Dou S.X., Kim J., Yi S., Yi J., Cha S., Shin S.-H., Zhu Y., Ye P.	OL 23(1998) 753-755	2813
Phase conjugation of broad-band laser pulses in BaTiO ₃	Danailov M.B., Diomande K., Apai P., Szpocs R.	JMO 45(1998) 5-9	2814
Near-field optical microscopy with a phase-conjugating mirror	Vohnsen B., Bozhevolnyi S.I.	OC 148(1998) 331-337	2815
Intensity controlled shaping of the beam profile using three-wave mixing in photorefractive Bi ₁₂ TiO ₂₀	Cedilnik G., Kiessling A., Kowarschik R.	OC 151(1998) 196-202	2816
Phase-shifting digital holography	Yamaguchi I., Zhang T.	OL 22(1997) 1268-1270	2817
Effect of Gaussian references on cross-talk noise reduction in volume holographic memory	Dai F., Gu C.	OL 22(1997) 1802-1804	2818
Photorefractive novelty correlation filtering of time-varying laser speckles for vibration monitoring	Kamshilin A.A., Kulchin Y.N., Raita E., Paivasaari K., Jaaskelainen T.	APL (1998)	2819
Reliability estimates for data recovered from compact discs	Tehranchi B., Howe D.G.	AO 37(1998) 386-395	2820
Resolution and response-time dependence of ferroelectric liquid-crystal optically addressed spatial light modulators on grating profiles	Pérennè F., Wu Z.Y.	AO 36(1997) 3825-3834	2821
Mie theory, Airy theory, and the natural rainbow	Lee R.L. Jr.	AO 37(1998) 1506-1519	2822
Can cirrus clouds produce glories?	Sassen K., Arnott W.P., Barnett J.M., Aulenbach St.	AO 37(1998) 1427-1433	2823
Deep-space satellite-image reconstructions from field data by use of speckle imaging techniques: images and functional assessment	Matson Ch.L., Fox M., Hege E.K., Hluck L., Drummond J., Harvey D.	AO 36(1997) 3120-3126	2824

Halo arcs from airborne, pyramidal ice crystal falling with their c axes in vertical orientation	Pekkola M., Riikonen M., Moilanen J., Ruoskanen J.	AO 37(1998) 1435-1440	2825
Method for fringe enhancement in holographic interferometry for measurement of in-plane displacements	Carlsson T.E., Gustafsson J., Abramson N.H.	AO 37(1998) 1845-1848	2826
Observation of glistening in the environment and its relationship to stereovision	Bates H.E., Warner G.	AO 37(1998) 1569-1572	2827
Penetration depth limits of in vivo confocal reflectance imaging	Smithpeter C.L., Dunn A.K., Welch A.J., Richards-Kortum R.	AO 37(1998) 2749-2754	2828
Time-frequency modeling of atomic force microscopy	Dragoman D., Dragoman M.	OC 140(1997) 220-225	2829
Photorefractive shooting stars	Cudney R.S., Garrett M.H.	OL 23(1998) 828-830	2830
Observation of bright spatial photorefractive solitons in a planar strontium barium niobate waveguide	Kip D., Wesner M., Shandarov V., Moretti P.	OL 23(1998) 921-923	2831
Phase-conjugating stimulated Brillouin scattering mirror for low powers and reflectivities above 90 % in an internally tapered optical fiber	Heuer A., Menzel R.	OL 23(1998) 834-836	2832
Rhodium-doped barium titanate phase-conjugate mirror for an all-solid-state, high-repetition-rate, diode-pumped Nd:YAG master-oscillator power amplifier laser	Brignon A., Sénac St., Ayrat J.-L., Huignard J.-P.	AO 37(1998) 3990-3995	2833
Effect of partial coherence on phase conjugation	Yi X., Yeh P.	OC 147(1998) 126-130	2834
Phase-conjugation properties of two-photon-pumped backward-stimulated emission. I. Experiment studies	He G.S., Prasad P.N.	JOSA B 15(1998) 1078-1085	2835
Phase-conjugation properties of two-photon-pumped backward-stimulated emission. II. Theoretical studies	He G.S., Cheng N., Prasad P.N.	JOSA B 15(1998) 1086-1095	2836
Phase conjugation by degenerate four-wave mixing via autoionizing states	Cohen S., Lyras A.	JOSA B 15(1998) 1069-1077	2837
Z-scan-based investigations of photorefractive self-focusing in KNbO ₃ crystals	Ryf R., Lötscher A., Bosshard Ch., Zgonik M., Günter P.	JOSA B 15(1998) 989-995	2838
Local thermal fixing of a photorefractive LiNbO ₃ hologram by use of a CO ₂ laser	Liu B., Liu L., Xu L., Ma J., Lee S.H.	AO 37(1998) 1342-1349	2839
Characteristics of recording and thermal fixing in lithium niobate	Liu B., Liu L., Xu L.	AO 37(1998) 2170-2176	2840
Transient dynamics during two-wave mixing in photorefractive quantum well diodes using moving gratings	Lahiri I., Pyrak-Nolte L.J., Nolte D.D.	Oex 28(1998) 432-438	2841

Phase-modulation effects in degenerate four-wave-mixing	Yang Q., Xu G., Liu X., Si J., Ye P.	AP B 66(1998) 435-438	2842
Phase-modulation-induced two-wave mixing in a temporal-nonlocal medium	Yang Q., Xu G., Liu X., Si J., Ye P.	AP B 66(1998) 589-592	2843
Photorefractive subharmonics - a beam-coupling effect?	Pedersen H.C., Johansen P.M., Webb D.J.	JOSA B 15(1998) 1528-1531	2844
Backward beam fanning in photorefractive crystals	Xie P., Wang P.-Y., Dai J.-H., Zhang H.-J.	JOSA B 15(1998) 1521-1527	2845
Reflectivity of photorefractive cross-polarized four-wave mixing in consideration of pump depletion	Matsuoka H., Okamoto A., Takamura M., Sato K.	JOSA B 15(1998) 1545-1552	2846
Photorefractive space-charge field with running grating and applied sinusoidal ac electric field: solution for all time scales	Johansen P.M., Pedersen H.C.	JOSA B 15(1998) 1366-1374	2847
Determination of the photorefractive parameters of $\text{Bi}_{12}\text{SiO}_{20}$ by study of the dynamic behavior of complementary gratings	Boutsikaris L., Mailis S., Vainos N.A.	JOSA B 15(1998) 1042-1051	2848
Solitary waves in coupled nonlinear waveguides with Bragg gratings	Mak W.C.K., Chu P.L., Malomed B.A.	JOSA B 16(1999) 1685-1692	2849
Cross-polarized photorefractive four-wave mixing with extraordinary writing beams and an ordinary reading beam	Takayama Y., Okamoto A., Saito M., Sato K.	AO 37(1998) 2967-2973	2850
Charge-transport parameters of photorefractive strontium-barium niobate crystals doped with cerium	Buse K., Gerwens A., Wevering S., Krätzig E.	JOSA B 15(1998) 1674-1677	2851
Approach to space-charge field description in photorefractive crystals	DelRe E., Ciattoni A., Crosignani B., Tamburrini M.	JOSA B 15(1998) 1469-1475	2852
Matrix-vector multiplication in a photorefractive crystal	Liu B., Liu L., Shao L., Chen H.	OC 146(1998) 34-38	2853
Transverse effects in photorefractive ring resonators	Leonardy J., Belic M., Kaiser F.	JOSA B 15(1998) 1714-1725	2854
Orientalional photorefractive effects observed in poly(vinyl alcohol) /liquid crystal composites	Ono H., Saito I., Kawatsuki N.	AP B 66(1998) 527-529	2855
Characterization of phenanthrenequinone-doped poly(methyl methacrylate) for holographic memory	Steckman G.J., Solomatine I., Zhou G., Psaltis D.	OL 23(1998) 1310-1312	2856
Competing photorefractive gratings in organic thin-film devices	Meerholz K., Mecher E., Bittner R., De Nardin Y.	JOSA B 15(1998) 2114-2124	2857
Photorefractive two-step recording in a piezoelectric $\text{La}_3\text{Ga}_5\text{SiO}_{14}$ crystal doped with praseodymium	Nikolajsen T., Johansen P.M., Dubovik E., Batirov T., Djalalov R.	OL 23(1998) 1164-1166	2858
Optical measurements of charge-carrier mobilities in photorefractive sillenite crystals	Pauliat G., Villing A., Launay J.C., Roosen G.	JOSA B 7(1990) 1481-1485	2859

Phase-stepping technique with an electro-optic crystal in digital speckle pattern interferometry	Angel L., Tebaldi M., Henao R., Tagliaferri A., Trivi M., Bolognini N., Torroba R.	OC 149(1998) 235-238	2860
Two-color holographic-grating formation in amorphous As_2S_3 films	Ozols A., Nordman O., Nordman N.	JOSA B 15(1998) 2355-2360	2861
Measurement of the spectral reflectivity of a self-pumped phase conjugator	Noraev D., Amelet P., Feinberg J.	JOSA B 15(1998) 2376-2382	2862
Phase conjugate imaging by type II parametric amplification	Devaux F., le Tolguenec G., Lantz E.	OC 147(1998) 309-312	2863
The optical and photorefractive properties of reduced Rh-doped $BaTiO_3$ at wavelength of 514 nm	Chang J.Y., Chinjen C.R., Duan S.H., Huang C.Y. Tsou R.H. et al.	OC 153(1998) 106-110	2864
Experimental observations of transient phase conjugate waves in photorefractive bismuth silicon oxide crystals	Jayanth P., Mohan R.K., Subramanian C.K.	OC 147(1998) 33-38	2865
Giant enhancement of low frequency non-steady-state photo-EMF signal in $Bi_{12}SiO_{20}$ crystal under external DC bias	Mansurova S., Stepanov S., Korneev N., Dibon C.	OC 152(1998) 207-214	2866
A new optical configuration in speckle interferometry for contouring of three-dimensional objects	Santhanakrishnan T., Palanisamy P.K., Krishna Mohan N., Sirohi R.S.	OC 152(1998) 19-22	2867
Photorefractive light amplification by forward four-wave mixing in $BaTiO_3$	Neumann J., Mendricks S., Krätzig E., Goulkow M., Odoulov S.	OC 146(1998) 220-224	2868
Matrix-vector multiplication in a photorefractive crystal	Liu B., Liu L., Shao L., Chen H.	OC 146(1998) 34-38	2869
Heterodyne detection of the complete electric field of femtosecond four-wave mixing signals	Gallagher S.M., Albrecht A.W., Hybl J.D., Landin B.L., Rajaram B., Jonas D.M.	JOSA B 15(1998) 2338-2345	2870
A surface study of laser-induced charge gratings in $Bi_{12}SiO_{20}$ with an atomic force microscope	Soergel E., Krieger W., Vlad V.I.	SPIE 3405(1998) 432-438	2871
Self-pumped phase-conjugate diode-pumped Nd:YAG loop resonator	Sillard P., Brignom A., Huignard J.-P., Pocholle J.-P.	OL 23(1998) 1093-1095	2872
Cooperation frequency locking and spatiotemporal chaos in a photorefractive oscillator	Zhuang J., Tan W.	JOSA B 15(1998) 2249-2254	2873
Tunable single-mode operation of a high-power laser-diode array by use of an external cavity with a grating and a photorefractive phase-conjugate mirror	Lobel M., Petersen P.M., Johansen P.M.	JOSA B 15(1998) 2000-2005	2874
Direct observation of charge distributions on photorefractive crystals with the force microscope	Soergel E., Krieger W., Vlad V.I.	JOSA B 15(1998) 2185-2190	2875

Polarisation control of light by light in a nonlinear polymer	Pura B., Petykiewicz J., Adamowicz L., Jeda W. et al.	AP B 67(1998) 211-215	2876
High-speed pattern-recognition systems using parallel-access optical disks	Davison C., Halliwell N.A., Coupland J.M.	AO 36(1997) 2388-2394	2877
Quartz fibre phase conjugators with high fidelity and reflectivity	Eichler H.J., Kunde J., Liu B.	OC 139(1997) 327-334	2878
Real-time double exposure holographic phase shifting interferometer using a photorefractive crystal	Labrunie L., Pauliat G., Launay J.C., Leidenbach S., Roosen G.	Oc 140(1997) 119-127	2879
Boundary integral equations for computer-aided design and simulations of near-field optics: two-dimensional optical manipulator	Tanaka T., Tanaka K.	JOSA A 15(1998) 101-108	2880
Ocean-color model incorporating transspectral processes	Sathyendranath S., Platt T.	AO 37(1998) 2216-2226	2881
Optical implementation of the Hough transform by use of rotationally multiplexed holograms	Shin D.-H., Jang J.-S.	AO 37 (1998) 329-333	2882
Two-dimensional measurement of the temporal correlation function of picosecond light pulses recorded in a photorefractive crystal	Okamura H., Kuroda K.	JOSA B 14(1997) 860-868	2883
Theory of nondegenerate four-wave mixing between pulses in a semiconductor waveguide	Mork J., Mecozzi A.	IEEE JQE 33(1997) 545-555	2884
Light-in-flight holography for visualization and velocimetry in three-dimensional flows	Hinrichs H., Hinsch K.D., Kickstein J., Böhmer M.	OL 22(1997) 828-830	2885
Optical phase conjugation in a nematic liquid-crystal film modulated by a quasi-static electric field	Chen S.-H., Shen Y.	JOSA B 14(1997) 1750-1753	2886
Evanescent-wave holography by use of surface-plasmon resonance	Maruo S., Nakamura O., Kawata S.	AO 36(1997) 2343-2346	2887
Born approximation for the nonparaxial scalar treatment of thick phase gratings	Singer W., Tiziani H.	AO 37(1998) 1249-1255	2888
Polarization properties of fanning light in fiberlike bismuth titanium oxide crystals	Raita E., Kamshilin A.A., Jaaskelainen T.	OL 21(1996) 1897-1899	2889
Fast mutually pumped phase conjugation induced by a transient photorefractive surface wave	Raita E., Kamshilin A.A., Jaaskelainen T.	JOSA B 15(1998) 2023-2031	2890
Coherence-based imaging through turbid media by use of degenerate four-wave mixing in thin liquid-crystal films and photorefractives	Brown D., Fleurov B., Carroll P., Lawson C.M.	AO 37(1998) 5306-5312	2891

Hexagon formation in photorefractive crystals as mirrorless coherent oscillation	Uesu Y., Ueno A., Kobayashi M., Odoulov S.	JOSA B 15(1998) 2065-2069	2892
Phase conjugation in BaTiO ₃ by use of the indirect photorefractive coupling of orthogonally polarized light waves	Jullien P., Mathey P., Lompré P., Odoulov S., Sturman B.	JOSA B 15(1998) 2018-2022	2893
Grating oscillations and nonlinear effects in photorefractive crystals	Petrov M.P., Petrov V.M., Bryksin V.V., Gerwens A., Wevering S., Krätzig E.	JOSA B 15(1998) 1880-1888	2894
Effect of random volume scattering on image amplification and beam fanning in photorefractive materials	Xie P., Wang P.-Y., Dai J.-H., Zhang H.-J.	JOSA B 15(1998) 1889-1894	2895
Photorefractive amplification and generation of light beams in BaTiO ₃ controlled by the intensity of the pump light	Neumann J., Röwe M., Krätzig E.	AP B 67(1998) 73-77	2896
Rigorous coupled-wave analysis of photorefractive reflection gratings	Jarem J.M., Banerjee P.P.	JOSA B 15(1998) 2099-2109	2897
Effects of strong modulation on beam-coupling gain in photorefractive materials: application to B ₁₂ SiO ₂₀	Murillo J.G., Magaña L.F., Carrascosa M., Agulló-López F.	JOSA B 15(1998) 2092-2098	2898
Steady state and dynamic gratings in photorefractive four-wave mixing	Bugaichuk S.A., Khizhnyak A.I.	JOSA B 15(1998) 2107-2113	2899
Spatiotemporal pattern formation in counterpropagating two-wave mixing with an externally applied field	Sandfuchs O., Kaiser F., Belic M.R.	JOSA B 15(1998) 2070-2078	2900
Orthogonally polarized four-wave mixing involving two noncoupling waves in a photorefractive crystal	Taj I.A., Mishima T.	JOSA B 15(1998) 2132-2142	2901
Influence of multigrating operation on the generation of phase-conjugate beams by four-wave mixing	Limeres J., Carrascosa M.	JOSA B 15(1998) 2037-2044	2902
Kinetics of higher-order combinational gratings in photorefractive media: diffusion regime	Anderson P.E., Peterson P.M.	JOSA B 15(1998) 2032-2036	2903
Pattern dynamics and competition in a photorefractive feedback system	Denz C., Schwab M., Sedlatschek M., Tschudi T., Honda T.	JOSA B 15(1998) 2057-2064	2904
Influence of beam-coupling on photorefractive parametric oscillation in a dc-field-biased Bi ₁₂ SiO ₂₀ crystal	Pedersen H.C., Webb D.J., Johansen P.M.	JOSA B 15(1998) 2439-2445	2905
Measurement of the photorefractive grating phase shift in a polymer by an ac phase-modulation technique	Liphardt M., Ducharme S.	JOSA B 15(1998) 2154-2160	2906

Holographic interferometers with photorefractive recording media	Moore T.R., Blair R.L., Megofna A.J., Riegner M.P., Shoop B.L.	AO 37 (1998) 5176-5183	2907
Implementation of a photorefractive binary joint transform correlator	Cook N.J., Carnicier A., Vasllmitjana S., Juvells I., Cartwright C.M., Gillespie W.A.	JOSA B 15(1998) 1977-1984	2908
Double-exposure interferometry utilizing denisyuk holograms in photorefractive crystals	Riehemann S.	PAO 7(1998) L33-L37	2909
Long holographic lifetimes in bacteriorhodopsin films	Downie J., Timucin D.A., Smithey D.T., Crew M.	OL 23(1998) 730-732	2910
Terahertz bit-rate parallel multiplication by photon echo in low-temperature dye-doped polymer film	Ollikainen O., Nilsson C., Gallus J., Erni D., Rebane A.	OC 147(1998) 429-435	2911
Optical storage in an azobenzene-polyimide film with high glass transition temperature	Si J., Mitsuyu T., Ye P., Li Z., Shen Y., Hirao K.	OC 147(1998) 313-316	2912
Method for the characterization of hologram processing	Banyasz I., Belendez A., Pascual I., Fimia A.	JMO 45(1998) 881-888	2913
Influence of the glass-transition temperature and the chromophore content on the grating buildup dynamics of poly(<i>N</i> -vinylcarbazole)-based photorefractive polymers	Bittner R., Bräuchle C., Meerholz K.	AO 37(1998) 2843-2851	2914
Modeling the grating-formation process in thick bacteriorhodopsin films	Downie J., Timucin D.A.	AO 37(1998) 2102-2111	2915
M-type thick holograms in bacteriorhodopsin films with a high-divergence reference beam	Bablumian A.S., Krile T.F., Mehrl D.J., Walkup J.F.	AO 37(1998) 1350-1355	2916
Computational and interferometric system for real-time limited-view tomography of flow fields	Yan D., Cha S.S.	AO 237(1998) 1159-1164	2917
Ultraviolet photobleaching process of azo dye doped polymer and silica films for fabrication of nonlinear optical waveguides	Nakanishi M., Sugihara N., Okamoto N., Hirota K.	AO 37(1998) 1068-1073	2918
Amplified scattering in a high-gain photorefractive polymer	Grunnet-Jepsen A., Thompson C.L., Twieg R.J., Moerner W.E.	JOSA B 15(1998) 901-904	2919
Improved characterization of chromophores for photorefractive applications	Moylan C.R., Wortmann R., Twieg R.J., McComb I.-H-	JOSA B 15(1998) 929-932	2920
Energy transfer characteristics of photorefractive contradirectional two-wave mixing	Mu X., Xu X., Chen J., Shao Z., Jiang M.	OC 141 (1997) 189-193	2921
Experimental observation of the interference of three- and five-wave mixing processes into the signal of second harmonic generation in bacteriorhodopsin solution	Balakin A.V., Boucher D., ferrein E., masselin P., Pakulev A.V., et al.	OC 141(1997) 343-352	2922

Nonlinear optical properties of a new chromophore	He G.S., Yuan L., Cheng N., Bhawalkar J.D., Prasad P.N. et al.	JOSA B 14(1997) 1079-1087	2923
New nonlinear-optical organic crystal: 4-dimethyl-aminobenzaldehyde-4-nitrophenyl-hydrazone	Follonier S., Bosshard Ch., Meier U., Knöpfle G., Serbutoviez C., Pan F., Günter P.	JOSA B 14(1997) 593-601	2924
Synthesis and characterization of photochromic organic films for holographic recording	Akella A., Sochava S.L., Hesselink L.	OL 22(1997) 919-921	2925
Dye-doped liquid crystals as high-resolution recording media	Simoni F., Francescangeli O., Reznikov Y., Slussarenko S.	OL 22(1997) 549-551	2926
Photorefractive polymer-dispersed liquid crystals	Golemme A., Volodin B.L., Kippelen B., Peyghambarian N.	OL 22(1997) 1226-1228	2927
Orientational photorefractive effects observed in polymer-dispersed liquid crystals	Ono H., Kawatsuki N.	OL 22(1997) 1144-1146	2928
Etalon effect in wave-mixing experiments with photorefractive crystals	Kramer M., Baade T., Kowarschik R.	AP B 67(1998) 583-586	2929
Amplitude-equation formalism for four-wave-mixing geometry with transmission gratings	Engin D., Cross M.C., Yariv A.	JOSA B 14(1997) 3349-3362	2930
Surface mode at isotropic-uniaxial and isotropic-biaxial interfaces	Walker D.B., Glytsis E.N., Gaylord T.K.	JOSA A 15(1998) 248-260	2931
Translating microscopic optical nonlinearity into macroscopic optical nonlinearity: the role of chromophore-chromophore electrostatic interactions	Harper A.W., Sun S., Dalton L.R., Garner S.M., Chen A. et al.	JOSA B 15(1998) 329-337	2932
Modeling relaxation processes in poled electro-optic polymer films	Dureiko R.D., Schuele D.E., Singer K.D.	JOSA B 15(1998) 338- 350	2933
Chielectric relaxation: chromophore dynamics in an azo-dye-doped polymer	Herman W.N., Cline J.A.	JOSA B 15(1998) 351-358	2934
Gain enhancement by moving gratings in a photorefractive polymer	Grunnet-Jepsen A., Thompson C.L., Moerner W.E.	OC 145(1998) 145-149	2935
On selective absorption in an axially excited slab of a dielectric thin-film helicoidal bianisotropic medium	Venugopal V.C., Lakhtakia A.	OC 145(1998) 171-187	2936
Thin grating sequential diffraction for the analysis of Bragg diffractions by superimposed transmission phase gratings	Wang M.R., Chen B.	OC 145(1998) 195-202	2937
Optical branching in dye-doped polymeric waveguide	Sarkisov S., Taylor A., Venkateswarlu P., Wilkosz A.	OC 145(1998) 265-273	2938
Polarization-controlled multistage switch based on polarization-selective computer-generated holograms	Krishnamoorthy A.V., Xu F., Ford J.E., Fainman Y.	AO 36(1997) 997-1010	2940
Polarization-selective computer-generated holograms	Ford J.F., Xu F., Urquhart K., Fainman Y.	OL 18(1993) 456-458	2941

Rigorous vector theory for diffraction from gratings made of biaxial crystals	Inchaussandague M.E., Depine R.A.	JOMO 44(1997) 1-27	2942
Analysis and applications of optical diffraction by gratings	Gaylord T.K., Moharam M.G.	IEEE P 73(1985) 894-937	2943
Polarization patterns in refracting structures	Pierscionek B.K., Lekner J.	JOSA A 14(1997) 676-681	2944
Novelty filter that uses a bacteriorhodopsin film	Okamoto T., Yamaguchi I., Boothroyd S.A., Chrostowski J.	AO 36(1997) 508-511	2945
Polarized light scattering in a novel polymer dispersed liquid-crystal geometry	Bloisi F., Terrecuso P., Vicari L.	JOSA A 14(1997) 662-668	2946
Polysiloxane based photorefractive polymer with high optical gain and diffraction efficiency	Zobel O., Eckl M., Stohriegl P., Haarer D.		2947
All-optical poling of a polyimide film with azobenzene chromophore	Si J., Xu G., Lui X., Yang Q., Ye P., Li Z. et al.	OC 142(1997) 71-74	2948
Relaxation of holographic gratings in liquid crystalline side chain polymers with azo chromophores	Bieringer Th., Wuttke R., Haarer D., Geßner U., Rübner J.	MCP 196(1995) 1375 ?	2949
Nonresonant n_2 and two-photon-absorption dispersion measurements of DPOP-PPV and DP-PPV / DP-PFV polymer strip waveguides	Gabler Th., Waldhäusl R., Bräuer A., Bartuch U., Stockmann R., Hörhold H.-H.	OC 137(1997) 31-36	2950
Photorefractive polymers and composites	Zhang Y., Burzynski R., Ghosal S., Casstevens M.K.	AM 8(1996) 111-125	2951
A Polysiloxane-based photorefractive polymer with high optical gain and diffraction efficiency	Zobel O., Eckl M., Strohriegl P., Haarer D.	AM 7(1996) 911-914	2952
Dual-grating formation through photorefractivity and photoisomerization in azo-dye-doped polymers	Sandalphon, Kippelen B., Peyghambarian N., Lyon S.R., Padias A.B., Hall H.K.	OL 19(1994) 68-70	2953
Photoconducting electro-optic polymer films	Schildkraut J.S.	APL 58(1991) 340-342	2954
Optical phase gratings made from photorefractive polymers	Kawatsuki N., Uetsuki M.	AO 29(1990) 210-215	2955
High performance photorefractive polymer with improved stability	Grunnet-Jepsen A., Thompson C.L., Twieg R.J., Moerner W.E.	APL 70(1997) 1515-1517	2956
Observations of internal beam production in barium titanate phase conjugators	Nowak A.V., Morre T.R., Fisher R.A.	JOSA B 5(1988) 1864-1878	2957
High-efficiency volume hologram recording with a pulsed signal beam	Li G., Liu L., Liu B., Xu Z.	OL 23(1998) 1307-1309	2958
Two-secondary-center modeling of photorefraction and comparison with nanosecond pulse illumination experiments in barium titanate	Ramos-Garcia R., Damzen M.J.	JOSA B 15(1998) 2174-2184	2959

Mutually pumped phase conjugators with picosecond pulses	Ashihara S., Matoba O., Shimura T., Kuroda K. et al.	JOSA B 15(1998) 1971-1976	2960
Characterization and optimization of a ring self-pumped phase-conjugate mirror at 1.06 μm with BaTiO_3 : RH	Huot N., Jonathan J.M.C., Roosen G., Rytz D.	JOSA B 15(1998) 1992-1999	2961
Simultaneous diffraction of two waves at a transmission volume hologram	Kowarschik R.	AdP 38(1981) 396-404	2962
Surface-strain effects on photorefractive gratings	Fogarty G., Cronin-Golomb M.	OL 20(1995) 2276-2278	2963
High-resolution photorefractive polymer for optical recording of waveguide gratings	Driemeier W., Brockmeyer A.	AO 25(1986) 2960-2966	2964
Temporal reversal of picosecond pulses by holographic phase conjugation	Joubert C., Roblin M.L., Grousson R.	AO 28(1989) 4604-4612	2965
Dynamics of multiple two-wave mixing and fanning in photorefractive materials	Snowbell M., Horowitz M., Fischer B.	JOSA B 11(1994) 1972-1982	2966
Incoherent double phase-conjugating $\text{Bi}_{12}\text{TiO}_{20}$ mirror	Petrov M.P., Caulfield H.J., Mokrushina E.V.	SJQE 22(1992) 266-270	2967
feedback effects of degenerate four-wave mixing in crystals of the sillenite family	Erdmann A., Kowarschik R., Wenke L.	JOSA B 6(1989) 1845-1850	2970
An application of azo-dye-doped polymer films in optical signal processing using Fourier holograms	Fleck B., Dowling D.A., Wenke L.	JMO 43(1996)1485-1493	2971
The intensity transfer function of a photoanisotropic wavelength-to-wavelength converter	Fleck B., Wenke L.	OC 137(1997) 207-213	2972
Time-delay Fizeau phase-conjugate interferometer	Yang G., Siahmakoun A.	AO 32(1993) 1578-1582	2973
Real-time image transmission and interferometry through a distorting medium using two phase	Sun Y., Moharam M.G.	AO 32(1993) 1954-1957	2974
The steady state solution and symmetry of four-wave mixing with absorption	Fish D.A., Powell A.K., Hall T.J.	JMO 40(1993) 97-112	2975
Recording a static hologram with laser beams of different frequencies in photorefractive crystals	Ilinykh P.N., Nestiorkin O.P.,Zel'dovich B.Y.	JOSA B 8(1991) 1042-1046	2976
Two-wave mixing of time-varying non-plane-wave optical fields in photorefractive materials	Boutsikaris L.,Davidson F.	AO 32(1993) 1559-1566	2977
Quasi.heterodyne hologram interferometry	Hariharan P.	OE 248(1985) 632-638	2978
Photorefractive response at high modulation depths in $\text{Bi}_{12}\text{TiO}_{20}$	Millerd J.E., Garmire E.M., Klein M.B., Wechsler B.A., Strohkendl F.P., Brost G.A.	JOSA B 9(1992) 1449-1453	2979
Multi-color-pumped oscillator in photorefractive BaTiO_3	Kaczmarek M., Solymar L., Pun P.	OC 108(1994) 176-184	2980
Overcoming coherence length limitation in two wavelength interferometry - an experimental verification	Fischer E., Dalhoff E., Tiziani H.	OC 123(196) 465-472	2981

Fast electro-optical system for pulsed ESPI carrier fringe generation	Davila A., Kerr D., Kaufmann G.H.	OC 123(1996) 457-464	2982
Ensemble-averaged imaging through highly scattering media	Leith E., Naulleau P., Dilworth D.	OL 21(1996) 1691-1693	2983
Reflection holographic gratings in [111] cut Bi ₁₂ TiO ₂₀ crystal for real time interferometry	Kukhtarev N., Chen B.S., Venkateswarlu P., Salamo G., Klein M.	OC 104(1993) 23-28	2984
Fringe visibility enhancement and phase calculation in double-pulsed addition ESPI	Moore A.J., Pérez-Lóez C.	JMO 43(1996) 1829-1844	2985
Phase-conjugation and spatial-frequency dependence of wavefront reflectivity in Bi ₁₂ SiO ₂₀ crystals	Huignard J.P., Herriau J.P., Rivet G., Günter P.	OI 5(1980) 102-104	2986
Hologram writing in lithium niobate: Beam coupling and the transport length in the bulk photovoltaic effect	Young L., Moharam M.G., El Guibaly F., Lun E.	JAP 50(1979) 4201-4207	2987
Holographic grating formation in photorefractive crystals with arbitrary electron transport lengths	Moharam M.G., Gaylord T.K., Magnusson R.	JAP 50(1979) 5642-5651	2988
Diffraction analysis of three-dimensional volume gratings with arbitrary boundaries	Notni G., Kowarschik R.	JOSA A 6(1989) 1682-1691	2989
Optical testing by dynamic holographic interferometry with photorefractive crystals and computer image processing	Vlad V.I., Popa D., Petrov M.P., Kamshilin A.A.	SPIE 1332(1990) 236-244	2990
Modelling of two wave mixing experiments in sillenite crystals	Mann M., Shamonina E., Ringhofer K.H.	CPC 96(1996) 61-86	2991
A nonlinear optical element for incoherent image subtraction based on photoanisotropy	Fleck B., Jahn D., Wenke L.	OC 154(1998) 339-344	2992
Photorefractive charge compensation during holographic recording in Bi ₄ Ti ₃ O ₁₂	Yue X., Krätzig E., Rupp R.A.	JOSA B 15(1998) 2383-2389	2993
Low-coherence optical tomography in turbid tissue: theoretical analysis	Pan Y., Birngruber R., Rosperich J., Engelhardt R.	AO 34(1995) 6564-6574	2994
Temporal memory effects in photorefractive two-beam coupling: a study comparing <i>n</i> -doped and <i>p</i> -doped BaTiO ₃ at 514 nm and 830 nm	Statman D., Stefanini C.C., Statman M.M., Gilbreath G.C.	JOSA B 15(1998) 577-585	2995
Measuring the coherence length of mode-locked laser pulses in real time	Dominic V., Yao X.S., Pierce R.M., Feinberg J.	APL 56(1990) 521-523	2996
Ballistic and diffuse light detection in confocal and heterodyne imaging systems	Kempe M., Genack A.Z., Rudolph W., Dorn P.	JOSA A 14(1997) 216-223	2997

Homodyne tomography of classical and non-classical light	Breitenbach G., Schiller S.	JMO 44(1997) 2207-2225	2998
Robustness of homodyne tomography to phase-insensitive noise	Dáriano G.M., Sterpi N.	JMO 44(1997) 2227-2232	2999
An inverse problem approach to optical homodyne tomography	Tan S.M.	JMO 44(1997) 2233-2259	3000
Homodyne reconstruction of density matrix in Fock-state basis: deterministic versus maximum likelihood approach	Mogilevtsev D., Hradil Z., Perina J.	JMO 44(1997) 2261-2269	3001
Intensity-dependent absorption and its modelling in infrared sensitive rhodium-doped BaTiO ₃	Kaczmarek M., Ross G.W., Eason R.W., Damzen M.J. et al.	OC 126(1996) 175-184	3002
Experimental investigation of high resolution imaging using Brillouin-enhanced four-wave mixing	Mocofanescu A., Corner L., Ramos-Garcia R., Damzen M.J.	JMO 44(1997) 731-737	3003
Two methods for fast coherence tomography and topometry	Windecker R., Fleischer M., Franze B., Tiziani H.J.	JOMO 44(1997) 967-977	3004
Contrast enhancement of electronic speckle pattern interferometry addition fringes	Ochoa N.A., Santoyo F.M., Moore A.J., López C.P.	AO 36(1997) 2783-2787	3005
Scattering by layered structures with rough surfaces: comparison of polarimetric optical scatterometer measurements with theory	Bahar E., Kubik R.D.	AO 36(1997) 2956-2962	3006
Computations of the Mueller matrix elements for scattering from layered structures with rough surfaces, with applications to optical detection	Bahar E., Kubik R.D.	AO 36(1997) 2947-2955	3007
Contrast limits of coherence-gated imaging in scattering media	Pan Y., Birngruber R., Engelhardt R.	AO 36(1997) 2979-2983	3008
Digital quasi-phase-matched two-color nonvolatile holographic storage	Bjornson E.S., Bashaw M.C., Hesselink L.	AO 36(1997) 3090-3106	3009
Determination of the aerosol particle-size distribution from simultaneous data on spectral attenuation and the small-angle phase function	Shifrin K.S., Zolotov I.G.	AO 36(1997) 6047-6056	3010
Phase evaluation and speckle averaging in pulsed television holography	Schedin S., Gren P.	AO 36(1997) 3941-3947	3011
Experimental investigations of the photorefractive properties of rhodium-doped BaTiO ₃ at 1.06 μm	Brignon A., Geffroy D., Huignard J.-P., Garrett M.H., Mnushkina I.	OC 137(1997) 311-316	3012
Photorefractive effect in hydrogen-reduced BaTiO ₃	Chang J.Y., Chinjen C.R., Tsou R.H., Huang C.Y. et al.	OC 138(1997) 101-104	3013

Coupling of orthogonally polarized eigenwaves in BaTiO ₃ by light-induced parametric scattering	Sturman B.I., Krätzig E., Odoulov S.G.	JOSA B 14(1997) 2295-2303	3014
Two-dimensional birefringence imaging in biological tissue by polarization-sensitive optical coherence tomography	de Boer J.F., Milner T.E., van Gemert M.J., Nelson J.S.	OL 22(1997) 934-936	3015
Second-harmonic tomography of tissues	Guo Y., Ho P.P., Savage H., Harris D., Sacks P. et al.	OL 22(1997) 1323-1325	3016
Recovery of the refractive-index profile from the Wigner distribution of an optical waveguide	Dragoman D., Dragoman M., Meunier J.-P.	AO 37(1998) 2357-2360	3017
On the relationship between the cross-spectral density and the Wigner distribution function	Castaneda R.	JMO 45(1998) 587-593	3018
Kinetics of photorefractive grating formation with an external applied field at larger modulation depths	Zhou Z., Sun X., Feng Y., Jiang Y., Xu K.	OC 148(1998) 417-426	3019
Characterization of photorefractive strontium-barium niobate with non-steady-state holographic photocurrents	Korneev N., Mayorga D., Stepanov S., Gerwens A., Buse K., Krätzig E.	OC 146(1998) 215-219	3020
Single-shot wave-front measurements of high-intensity ultrashort laser pulses with a three-wave interferometer	Chanteloup J., Druon F., Nantel M., Maksimchuk A., Mourou G.	OL 23(1998) 621-623	3021
Noninvasive two-photon-excitation imaging of tryptophan distribution in highly scattering biological tissues	Guo Y., Ho P.P., Liu F., Wang Q.Z., Alfano R.R.	OC 154(1998) 383-389	3022
Refractive indices of photorefractive Bismuth Titanate, Barium-Calcium Titanate, Bismuth Germanium Oxide, and Lead Germanate	Simon M., Mersch F., Kuper C., Mendricks S., Wevering S. et al.	Phys. stat. sol. (a) 159(1997) 559-562	3023
Growth and dielectric properties of congruently melting Ba _{1-x} Ca _x TiO ₃ crystals	Kuper C., Pankrath R., Hesse H.	AP A 65(197) 301-305	3024
Electrooptic and photorefractive properties of ferroelectric barium-calcium titanate crystals	Kuper C., Buse K., van Stevendaal U., Weber M., Leidlo T., Hesse H., Krätzig E.	FE 208(1998) 213-223	3025
Holographic and non-steady-state photocurrent characterization of photorefractive barium-calcium titanate	Korneev N., Mayorga D., Stepanov S., Veenhuis H., Buse K., Kuper C., Hesse H., Krätzig E.	OC (1998)	3026
Intensity-dependent absorption and photorefractive effects in barium titanate	Brost G.A., Motes R.A., Rotge J.R.	JOSA B 5(1988) 1879-1885	3027
Experimental demonstration of the spectral interference between two beams of a low-coherence source at the output of a Michelson interferometer	Hlubina P.	JMO 44(1997) 163-173	3028

Correlation between blood glucose concentration in diabetics and noninvasively measured tissue optical scattering coefficient	Bruulsema J.T., Hayward J.E., Farrell T.J., Patterson M.S. et al.	OL 22(1997) 190-192	3029
A Study of statistical properties of partially developed speckle fields as applied to the diagnostics of structural changes in human skin	Zimnyakov D.A., Tuchin V.V., Utts S.R.	OS 76(1994) 747-753	3030
Measurements of scattering and absorption in mammalian cell suspensions	Mourant J.R., Freyer J.P., Johnson T.M.	SPIE 2679(19??) 79-84	3031
Simultaneous recording of absorption and photorefractive gratings in photorefractive crystals	Kamshilin A.A:	OC 93(1992) 350-358	3032
Self-organizing photofractive frequency demultiplexer	Saffman M., Benkert C., Anderson D.Z.	OL 16(1991) 1993-1995	3033
Photorefractive response in sillenite crystals with shallow traps by applying an alternating electric field	Shandarov S.M., Kobozev O.V., Reshet'ko A.V., Krause M.G. u.a.	FE 202(1997) 257-266	3034
Measurement of the electric screening field in Bi ₁₂ TiO ₂₀	Cedilnik G., Esselbach M., Kiessling A., Kowarschik R., Kamshilin A.A., Shamonina E., Ringhofer K.H.	JAP 85(1999) 1317-1321	3035
Interferometry with phase conjugate mirrors	Kiessling A., Kowarschik R., Notni G., Wenke L.	CTQE 1(1994) 91-104	3036
Photoconductive properties of photorefractive sillenites grown in an oxygen-free atmosphere	Mokrushina E.V., Bryushinin M.A., Kulikov V.V. u.a.	JOSA B 16(1999) 57-62	3037
Photorefractive beam coupling between orthogonally polarized light beams by linear dichroism in Cu-doped potassium sodium strontium barium niobate	Tomita Y., Matsushima S.	JOSA B 16(1999) 111-116	3038
Ac square-wave field-induced subharmonics in photorefractive sillenite: threshold for excitation by inclusion of higher harmonics	Johansen P.M., Pedersen H.C. Podivilov E.V., Sturman B.I.	JOSA B 16(1999) 103-110	3039
Estimation of trap concentration in photorefractive crystals by a technique of adaptive holographic interferometry	Petrov V. M., Wevering S., Petrov M.P., Krätzig E.	AP B 68(1999) 73-76	3040
Dispersion compensation for a femtosecond self-pumped phase conjugator	Yang C.	OL 24(1999) 31-33	3041
Beam amplification resulting from non-Bragg wave mixing in photorefractive strontium barium niobate	Apolinar-Iribe A., Korneev N., Sanchez-Mondragon J.J.	OL 23(1998) 1877-1879	3042
Photorefractive incoherent-to-coherent optical converter based on anisotropic self-diffraction in BaTiO ₃	Sun C., Wang B., Chang J.	AO 37(1998) 8247-8253	3043

Image restoration through aberrant media by optical phase conjugation in a type II three-wave mixing interaction	Devaux F., Guiot E., Lantz E.	OL 23(1998) 1597-1599	3044
Optical encryption system that uses phase conjugation in a photorefractive crystal	Unnikrishnan G., Joseph J., Singh K.	AO 37(1998) 8181-8186	3045
Self-pumped phase-conjugate resonator with two-pass four-wave mixing in a diode-pumped Nd:YAG amplifier	Sillard P., Brignon A.	JOSA B 15(1998) 2917-2928	3046
Reduction of light-induced refractive-index changes by decreased modulation of light patterns in photorefractive crystals	van Stevendaal U., Buse K., Malz H., Veenhuis H., Krätzig E.	JOSA B 15(19998) 2868-2876	3047
Spatial shifts of the conjugate beam generated by a nondegenerate photorefractive phase-conjugate mirror	Al-Rashed A.R., Jost B.M., Saleh B.E.A.	AO 37(1998) 7821-7826	3048
A guided-wave configuration for two-wave-mixing-based devices containing highly absorbing Au-doped sol-gels	Giorgetti E., Margheri G., Palchetti L., Sottini S., Mennig M.	AP B 67(1998) 587-591	3049
Investigation of electrooptic modulation from organic-inorganic crystals	Salvestrini J.P., Zaccaro J., Ibanez A., Fontana M.D.	AP B 67(1998) 761-763	3050
Coherent refreshment and updating for dynamic photorefractive optical memories using phase conjugation	Dellwig T., Denz C., Rauch T., Tschudi T.	OC 119(1995) 33-340	3051
Holographic storage in pseudo-deep holograms	Indebetouw G.	JMO 44(1997) 1603-1608	3052
Fast coherence scanning interferometry for measuring smooth, rough and spherical surfaces	Windecker R., Haible P., Tiziani H.J.	JMO 42(1995) 2059-2069	3053
Photorefractive properties of highly-doped lithium niobate crystals in the visible and near-infrared	Peithmann K., Wiebrock A., Buse K.	AP B 68(1999) 777-784	3054
Bound dipole solitary solutions in anisotropic nonlocal self-focusing media	Mamaev A.V., Zozulya A.A., Mezentssev V.K., Anderson D.Z., Saffman M.	PR A 56(1997) 1110-1113	3055
Screening-photovoltaic spatial solitons in biased photovoltaic-photorefractive crystals and their self-deflection	Jinsong L., Keqing L.	JOSA B 16(1999) 550-555	3056
Adaptive correlation filters for speckle pattern in photorefractive crystals	Kamshilin A.A., Paivasaari K., Nazhestkina N.I. u.a.	AP B 68(1999) 1031-1038	3057
A method for single-pass distortion correction using holography in rhodium-doped barium titanate	Corner L., Damzen M.J.	AP B 68(1999) 1039-1042	3058

Narrow bandwidth operation of high-power broad-area diode laser using cascaded phase-conjugate injection locking	Horiuchi H., Shimura T., Omatsu O., Matoba O., Kuroda K.	AP B 68(1999) 1021-1025	3059
Soliton collisions in bulk quadratic media: comprehensive analytical and numerical study	Buryak A.V., Steblina V.V.	JOSA B 16(1999) 245-255	3060
Nonlinearity of a response in photorefractive crystals with a square-wave applied field	Shandarov S.M., Nazhestkina N.I., Kobozev O.V., Kamshilin A.A.	AP B 68(1999) 1007-1012	3061
Evolution of spatial optical solitons in biased photorefractive media under steady state conditions	Singh S.R., Christodoulides D.N.	OC 118(1997) 569-576	3062
Self-deflection of steady-state bright spatial solitons in biased photorefractive crystals	Carvalho M.I., Singh S.R., Christodoulides D.N.	OC 120(1995) 311-315	3063
Soliton dynamics in a nonlocal medium	Mitchell D.J., Snyder A.W.	JOSA B 16(1999) 236-239	3064
Steady-state spatial screening solitons in photorefractive materials with external applied field	Segev m., Valley G.C., Crosignani B. u.a.	PRL 73(1994) 3211-3214	3065
Interaction of spatial photorefractive solitons	Królikowski W., Denz C., Stepken A. u.a.	QSO 10(1998) 823-3214	3066
Interactions between one-dimensional quadratic solitons	Baek Y., Schiek R., Stegeman G.I. u.a.	OL 22(1997) 1550-1552	3067
Observation of self-trapping of an optical beam due to the photorefractive effect	Duree G.C., Shultz J.L., Salamo G., Segev M., Yariv A., Crosignani B. u.a.	PRL 71(1993) 533-536	3068
Spiralling spatial solitons	Poladian L., Snyder A.W., Mitchell D.J.	OC 85(1991) 59-62	3069
Spiraling behavior of photorefractive screening solitons	Belic´ M.R., Stepken A., Kaiser F.	PRL 82(1999) 544-547	3070
Waveguides formed by incoherent dark solitons	Chen Z., Segev M., Christodoulides D.N., Feigelson R.S.	OL 24(1999) 1160-1162	3071
Collisions, steering, and guidance with spatial solitons	Snyder A.W., Sheppard A.P.	OL 18(1993) 482-484	3072
Self-induced optical fibers: spatial solitary waves	Snyder A.W., Mitchell D.J., Poladian L., Ladouceur F.	OL 16(1991) 21-23	3073
Interaction of spatial photorefractive solitons in a planar waveguide	Kip D., Wesner M., Herden C., Shandarov V.	AP B 68(1999) 971-974	3074
Self-trapping of partially incoherent light	Mitchell M., Chen Z. u.a.	PRL 77(1996) 490-493	3075
Fixing the photorefractive soliton	Klotz M., Meng H., Salamo G.J., u.a.	OL 24(1999) 77-79	3076
Spatial solitons in photorefractive media	Segev M., Crosignani B. Yariv A., Fischer B.	PRL 68(1992) 923-926	3077
Self-trapping of one-dimensional and two-dimensional optical beams and induced waveguides in photorefractive KNbO ₃	Lan S., Shih M., Segev M.	OL 22(1997) 1467-1469	3078
Three-dimensional spiraling of interacting spatial solitons	Shih M., Segev M., Salamo G.	PRL 78(1997) 2551-2554	3079
Theory of self-trapped spatially incoherent light beams	Mitchell M., Segev M., Coskun T.H., Christodoulides D.N.	PRL 79(1997) 4990-4993	3080

Dynamic spatial solitons	Snyder A.W., Hewlett S.J., Mitchell D.J.	PRL 72(1994) 1012-1015	3081
Theory of incoherent self-focusing in biased photorefractive media	Christodoulides D.N., Coskun T.H., Mitchell M., Segev M.	PRL 78(1997) 646-649	3082
Steady -state vortex-screening solitons formed in biased photorefractive media	Chen Z., Shih M., Segev M., Wilson D.W., Muller R.E., Maker P.D.	OL 22(1997) 1751-1753	3083
Three dimensional bright spatial soliton collision and fusion in a saturable nonlinear medium	Tikhonenko V., Christou J., Luther-Davis B.	PRL 76(1996) 2698-2701	3084
Observation of two-dimensional spatial solitary waves in a quadratic medium	Torruellas W.E., Wang Z., Hagan D.J. u.a.	PRL 74(1995) 5036-5039	3085
Different temperature dependences of photorefractive parameters of Ce-doped and Rh-doped BaTiO ₃	Chi M., Dou S.X., Song H., Zhu Y., Ye P.	AP B 68(1999) 211-215	3086
Experimental evaluation of user capacity in holographic data-storage systems	Burr G.W., Chou W., Neifeld M.A., Coufal H. u.a.	AO 37(1998) 5431-5443	3087
Cross-talk noise and storage capacity of holographic memories with a LiNbO ₃ crystal in the open-circuit condition	Gao Q., Kostuk R.	AO 37(1998) 929-936	3088
Recording of 6000 holograms by use of spectral hole burning	Maniloff E.S., Altner S.B., Graf F.R., Renn A., Wild U.P.	AO 34(1995) 4140-4148	3089
Wavelength-multiplexed holographic data storage by use of reflection geometry with a cerium-doped strontium barium niobate single-crystal structure and a tunable laser diode	Kume T., Nonaka K., Yamamoto M., Yagi S.	AO 37(1998) 334-339	3090
Electric-field multiplexing of volume holograms in paraelectric crystals	Ballberg M., Razvag M., Refaeli E., Agranat A.J.	AO 37(1998) 841-847	3091
Method for holographic storage using peristrophic multiplexing	Curtis K., Pu A., Psaltis D.	OL 19(1994) 993-994	3092
Holographic storage using shift multiplexing	Psaltis D., Levene M., Pu A., Barbastathis G., Curtis K.	OL 20(1995) 782-784	3093
Modulation coding for pixel-matched holographic data storage	Burr G.W., Ashley J.A., Coufal H. u.a.	OL 22(1997) 639-641	3094
Dynamic photorefractive optical memory	Sasaki H., Fainman Y., Ford J.E., Taketomi Y., Lee S.H.	OL 16(1991) 1874-1876	3095
Mathematical simulation of a dynamic storage process	Esselbach M., Cedilnik G., Kiessling A., Kowarschik R.	JMO 46(1999) 1977-1984	3096
Intensity dependence of the grating formation in photorefractive BaTiO ₃	Esselbach M., Cedilnik G., Kiessling A., Kowarschik R.	JOA PAO 1(1999) 15-17	3097
Optical storage of information via refreshing by inverse seeding (OSIRIS)	Esselbach M., Cedilnik G., Kiessling A., Kowarschik R.	JOA PAO 1(1999) 21-24	3098

Phase conjugation in fibre-like BTO crystals with applied electric ac field	Esselbach M., Cedilnik G., Kiessling A., Baade T., Kowarschik R., Prokofiev V.	JOA PAO 1(1999) 735-740	3099
Temporal bit-sequence signal storage by using angular-multiple spectral volume holography (SPLUME)	Ito F., Kitayama K.	IEEE JQE 33(1997) 633-641	3100
Photorefractive two beam coupling characterization of a Barium-Calcium Titanate crystal	Bernhardt S., Delaye P., Hesse H., Rytz D., Roosen G.	OSA Tops 27(1999) 132-139	3101
Photoinduced charge transport in BaTiO ₃ and congruent Ba _{1-x} Ca _x TiO ₃ doped with transition metal and alkali ions	Schirmer O.F., Mazur A., Veber C., Rüdiger A.	OSA Tops 27(1999) 149-156	3102
High two-wave-mixing gain in a Bi ₁₂ SiO ₂₀ crystal at $\lambda = 633$ nm	Nippolainen E., Esselbach M., Kiessling A., Kowarschik R.	OSA Tops 27(1999) 333-339	3103
Fast effects with two-wave mixing in BTO	Esselbach M., Cedilnik G., Kiessling A., Kowarschik R.	OSA Tops 27(1999) 383-387	3104
Optical data storage: three perspectives	Psaltis D. u.a.	OPN (1997) 35-39	3105
Photorefractive effects in long, narrow BSO crystals with applied electric field	Cedilnik G., Esselbach M., Kiessling A., Kowarschik R., Nippolainen E., Kamshilin A.A., Prokofiev V.V.	AP B 68(1999) 983-987	3106
Self-pumped phase conjugation in Bi ₁₂ TiO ₂₀ crystal without external cavity	Nippolainen E., Prokofiev V.V., Kamshilin A.A., Jaaskelainen T.	AP B 69(1999) 45-50	3107
Giant momentary readout produced by switching electric fields during two-wave mixing in sillenites	Shamonina E., Ringhofer K.H., Sturman B.I., Kamenov V.P. u.a.	OL 23(1998) 1435-1437	3108
Studies on formation mechanisms of self-pumped phase conjugation in BaTiO ₃ :Ce crystals at wavelengths from 570 to 680 nm	Dou S.X., Gao H., Zhang J., Lian Y. u.a.	JOSA B 12(1995) 1048-1055	3109
Theoretical model for the temporal dynamics in photorefractive two-wave mixing	Zou Q.	PAO 7(1998) 783-794	3110
Real-time non-linear spatial filtering with a leaky OASLM	Rehn H., Kowarschik R.	OLT 30(1998) 39-47	3111
Observation of spontaneously frequency-shifted beam fanning in photorefractive Bi ₁₂ SiO ₂₀	Pedersen H.C., Andersen P.E., Johansen P.M.	OL 20(1995) 2475-2477	3112
All optical bypass-exchange switch based on anisotropic-diffraction of photorefractive holograms	Yan X., Liu L.	JOA PAO 1(1999) 431-434	3113
Investigation of the internal field in photorefractive materials and measurement of the effective electro-optic coefficient	Grunnet-Jepsen A., Aubrecht I., Solymar L.	JOSA B 12(1995) 921-929	3114
New type of the adaptive correlation filters for measurements of speckle-pattern displacements	Kamshilin A.A., Päiväsäari K.		3115

Self-pumped phase conjugation in a ring cavity at 1.06 μm in cw and nanosecond regimes using photorefractive $\text{BaTiO}_3\text{:Rh}$	Huot N., Jonathan J.M.C., Rytz D., Roosen G.	OC 140(1997) 296-298	3116
Transient multiwave mixing and diffraction with nonsinusoidal intensity-dependent index grating in a nonlinear medium	LoPresti P.G., Khoo I.C.	JOSA B 14(1997) 804-813	3117
Propagation of light beams in photorefractive media: fanning, self-bending, and formation of self-pumped four-wave-mixing phase conjugation geometries	Zozulya A.A., Saffman M., Anderson D.Z.	PRL 73(1994) 818-821	3118
Photorefractive memories for optical processing and computing	Alves C., Aing P., Paulit G., Roosen G.	CR 48 221-248	3119
Impact of the sublinear photoconductivity law on the interpretation of holographic results in BaTiO_3	Rupp R.A., Maillard A., Walter J.	AP A 49(1989) 259-268	3120
Light-induced charge transport processes in photorefractive barium titanate crystals doped with iron	Mazur A., van Stevendaal U., Buse K., Weber M., Schirmer O.F. u.a.	AP B 65(1997) 481-487	3121
Light-induced absorption in a $\text{Bi}_{12}\text{TiO}_{20}$ crystal	Kobozev O.V., Shandarov S.M., Kamshilin A.A., Prokofiev V.V.	JOA PAO 1(1999) 442-447	3122
First experimental demonstration of a new technique for photorefractive grating enhancement	Webb D.J., Shcherbin K., Kalinin V.A., Takacs J., Solymar L.	352-354	3123
Bacteriorhodopsin	Ludwig S.		3124
Investigation on laser induced dynamic gratings in azo-dye doped polymer layers and their application	Fleck B., Rehn H., Friedrich V., Wenke L., Janietz D.		3125
The intensity transfer function of a photoanisotropic wavelength-to-wavelength converter	Fleck B., Wenke L.	OC 137(1997) 207-213	3126
Nonreciprocal electrooptic effect in cubic crystals	Kamshilin A.A.		3127
Determination of aluminum in doped $\text{Bi}_{12}\text{SiO}_{20}$ crystals and raw materials by solvent extraction and photometry (exchange of experience)	Nechitailov A.A., Prokofiev V.V., Krasnikova M.V.	IL-USSR 54(1988) 614-615	3128
Insulating materials for optoelectronics	Agulló-López F.	World scientific 277-328	3129
Submillisecond pulses by two wave coupling in $\text{Bi}_{12}\text{TiO}_{20}$ crystals	Esselbach M., Cedilnik G., Kiessling A., Kowarschik R.	SPIE 3749(1999) 268-269	3130
Information storage with a barium-calcium titanate crystal	Esselbach M., Kießling A., Kowarschik R.	SPIE 3749(1999) 450-451	3131
Dynamic hologram refresher - DHR-4			3132

Photometric determination of Si and Ti in bismuth silicate and titanate	Nechitailov A.A., Krasnikova M.V., Prokofiev V.V.	IL-USSR 57(1991) 15-17	3133
Amplified phase-conjugate beam reflection by four-wave mixing with photorefractive Bi ₁₂ SiO ₂₀ crystals	Rajbenbach H., Huignard J.P., Refrégier Ph.	OL 9(1984) 558-560	3134
Photorefractive two-wave mixing of rapidly phase modulated signals	Li Y., Zhou z., Sun X., Jiang Y., Xu K.	OC 136(1997) 160-170	3135
Experimental investigations on two-wave mixing in photorefractive crystals with spherical waves	Kiessling A., Fleck B., Wenke L.		3136
Photorefractive effects in long, narrow BSO crystals with applied electric field	Cedilnik G., Esselbach M., Kiessling A., Kowarschik R., Nippolainen E., Kamshilin A.A., Prokofiev V.V.	SPIE 3749(1999) 528-529	3137
Phase-shifting phase-conjugate interferometer for wavefront sensing	Notni G., Schenderlein R., Wenke L.	407-411	3138
Real-time interferometer using BTO	Kiessling A., Wenke L.	425-429	3139
Photometric determination of chromium in Bi ₁₂ SiO ₂₀ and Bi ₁₂ TiO ₂₀ single crystals and in the raw material for making them	Nechitailov A.A., Prokofiev V.V., Krasnikova M.V.	IL-USSR 40(1985) 1583-1586	3140
Polarization self-modulation effect as a method for the estimation of material parameters of photorefractive crystals	Raita E., Kamshilin A.A., Paivasaari K., Prokofiev V.V., Jaaskelainen T.		3141
Polarization properties of self-diffraction in sillenite crystals: reflection volume gratings	Mallick S., Miteva M., Nikolova L.	JOSA B 14(1997) 1179-1186	3142
Self-pumping phase conjugation in Bi ₁₂ TiO ₂₀ crystal	Prokofiev V.		3143
Reflection hologram for reconstructing deep images	Taketomi Y., Kubota T.	OL 22(1997) 1725-1727	3144
Vectorial phase conjugation via four-wave mixing in isotropic saturable-gain media	Syed K.S., Crofts G.J., Green R.P.M., Damzen M.J.	JOSA B 14(1997) 2067-2078	3145
Degenerate four-wave mixing in isotropic nonlinear-optical gyrotropic media	Unsbo P., Flytzanis Ch.	JOSA B 14(1997) 560-569	3146
Image processing and optical storage in a resonator with an OASLM	Rehn H., Kowarschik R.	TOPS 14(1997)	3147
Self-aligned connections between single mode fibers with mutually pumped phase conjugate mirrors	Wolffer N., Royer V., Gravey P.	SPIE 1806(1992) 177-186	3148
Bifurcations to chaos in optical bistability	Hopf F.A., Kaplan D.L., Gibbs H.M., Shoemaker R.L.	PR A 25(1982) 2172-2182	3149
Diffraction efficiency analysis of a parallel-aligned nematic-liquid-crystal spatial light modulator	Mukohzaka N., Yoshida N., Toyoda H. u a.	AO 33(1994) 2804-2811	3150

Dynamics of novelty filtering and edge enhancement in cobalt-doped barium titanate	Mathey P., Mazué B., Jullien P., Rytz D.	JOSA B 15(1998) 1353-1361	3151
------------------------------------------------------------------------------------	------------------------------------------	---------------------------	------