

# Detlef Kip

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

156  
papers

4,964  
citations

29  
h-index

67  
g-index

201  
ext. papers

5,842  
ext. citations

2.9  
avg, IF

5.29  
L-index

#	Paper	IF	Citations
156	Versatile metal-wire waveguides for broadband terahertz signal processing and multiplexing.. <i>Nature Communications</i> , <b>2022</b> , 13, 741	17.4	5
155	Table-top interferometry on extreme time and wavelength scales. <i>Optics Express</i> , <b>2021</b> , 29, 40333-40344	3.3	1
154	Selective etching of 10 MHz repetition rate fs-laser inscribed tracks in YAG. <i>EPJ Web of Conferences</i> , <b>2021</b> , 255, 10003	0.3	
153	Multiplexing temperature-compensated open-cavity Fabry-Perot sensors at a fiber tip. <i>Applied Optics</i> , <b>2021</b> , 60, 10402-10408	1.7	1
152	Watt-level 775 nm SHG with 70% conversion efficiency and 97% pump depletion in annealed/reverse proton exchanged diced PPLN ridge waveguides. <i>Optics Express</i> , <b>2021</b> , 29, 11386-11393	3.3	3
151	Influence of diluted acid mixtures on selective etching of MHz- and kHz-fs-laser inscribed structures in YAG. <i>Optical Materials Express</i> , <b>2021</b> , 11, 1546	2.6	3
150	Design of Fiber-Tip Refractive Index Sensor Based on Resonant Waveguide Grating with Enhanced Peak Intensity. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6737	2.6	
149	Fiber-optic sensor measuring spatial distributions of refractive index and temperature. <i>Applied Optics</i> , <b>2021</b> , 60, 1428-1433	1.7	3
148	Investigation of Ytterbium Incorporation in Lithium Niobate for Active Waveguide Devices. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2189	2.6	0
147	Auger electron wave packet interferometry on extreme timescales with coherent soft x-rays. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2020</b> , 53, 244008	1.3	5
146	KLu(WO)/SiO Tapered Waveguide Platform for Sensing Applications. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	1
145	Dual parameter fiber-integrated sensor for refractive index and temperature measurement based on Fabry-Perot micro-resonators. <i>Applied Optics</i> , <b>2019</b> , 58, 2076-2080	1.7	8
144	Efficient Nd:Ti:LiNbO ridge waveguide lasers emitting around 1085 nm. <i>Optics Express</i> , <b>2019</b> , 27, 8884-8889	3.3	11
143	Coherent propulsion with negative-mass fields in a photonic lattice. <i>Optics Letters</i> , <b>2019</b> , 44, 5949-5952	3	3
142	Fabrication of low-loss Rb-exchanged ridge waveguides in z-cut KTiOPO <sub>4</sub> . <i>Optical Materials Express</i> , <b>2018</b> , 8, 82	2.6	11
141	Periodically poled ridge waveguides in KTP for second harmonic generation in the UV regime. <i>Optics Express</i> , <b>2018</b> , 26, 28827-28833	3.3	10
140	Attosecond interferometry with self-amplified spontaneous emission of a free-electron laser. <i>Nature Communications</i> , <b>2017</b> , 8, 15626	17.4	28

139	Fiber-integrated refractive index sensor based on a diced Fabry-Perot micro-resonator. <i>Applied Optics</i> , <b>2017</b> , 56, 9139-9143	1.7	8
138	Er:Ti:LiNbO <sub>3</sub> ridge waveguide optical amplifiers by optical grade dicing and three-side Er and Ti in-diffusion. <i>Applied Physics B: Lasers and Optics</i> , <b>2017</b> , 123, 1	1.9	13
137	Rb/Ba side-diffused ridge waveguides in KTP. <i>Optics Express</i> , <b>2017</b> , 25, 19872-19877	3.3	2
136	Nd:sapphire channel waveguide laser. <i>Optical Materials Express</i> , <b>2017</b> , 7, 2361	2.6	7
135	Efficient ridge waveguide amplifiers and lasers in Er-doped lithium niobate by optical grade dicing and three-side Er and Ti in-diffusion. <i>Optics Express</i> , <b>2017</b> , 25, 29374	3.3	28
134	Split-And-Delay Unit for FEL Interferometry in the XUV Spectral Range. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 544	2.6	7
133	Low loss ridge waveguides in lithium niobate thin films by optical grade diamond blade dicing. <i>Optics Express</i> , <b>2016</b> , 24, 1386-91	3.3	66
132	Second harmonic generation of diamond-blade diced KTiOPO <sub>4</sub> ridge waveguides. <i>Optics Express</i> , <b>2016</b> , 24, 16434-9	3.3	21
131	Bright discrete solitons in spatially modulated DNLS systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2015</b> , 48, 345201	2	
130	Quasi-phase-matched frequency conversion in ridge waveguides fabricated by ion implantation and diamond dicing of MgO:LiNbO(3) crystals. <i>Optics Express</i> , <b>2015</b> , 23, 30188-94	3.3	44
129	Asymmetric Wave Propagation Through Saturable Nonlinear Oligomers. <i>Photonics</i> , <b>2014</b> , 1, 390-403	2.2	4
128	Characterization of diced ridge waveguides in pure and Er-doped lithium-niobate-on-insulator (LNOI) substrates <b>2014</b> ,		5
127	Density dependence of refractive index of nanoparticle-derived titania films on glass. <i>Thin Solid Films</i> , <b>2014</b> , 558, 86-92	2.2	11
126	Revisiting the $\mathcal{P}$ -symmetric trimer: bifurcations, ghost states and associated dynamics. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2013</b> , 46, 375304	2	21
125	Spontaneous symmetry breaking of gap solitons in defect-loaded uniform one-dimensional photonic lattices. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	3
124	Multistable regime and intermediate solutions in a nonlinear saturable coupler. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	6
123	Ridge waveguide lasers in Nd:YAG crystals produced by combining swift heavy ion irradiation and precise diamond blade dicing. <i>Optical Materials Express</i> , <b>2013</b> , 3, 433	2.6	44
122	Dark lattice solitons in one-dimensional waveguide arrays with defocusing saturable nonlinearity and alternating couplings. <i>European Physical Journal D</i> , <b>2012</b> , 66, 1	1.3	9

121	Observation of discrete gap solitons in one-dimensional waveguide arrays with alternating spacings and saturable defocusing nonlinearity. <i>Optics Letters</i> , <b>2012</b> , 37, 1253-5	3	14
120	Dynamics of gap solitons in one-dimensional binary lattices with saturable self-defocusing nonlinearity and alternating spacing. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	2
119	Dark-bright gap solitons in coupled-mode one-dimensional saturable waveguide arrays. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	16
118	Linear and nonlinear light propagation at the interface of two homogeneous waveguide arrays. <i>Optics Express</i> , <b>2011</b> , 19, 1158-67	3.3	5
117	Resonant delocalization and Bloch oscillations in modulated lattices. <i>Optics Letters</i> , <b>2011</b> , 36, 1464-6	3	10
116	Two-wave mixing of ion-implanted photorefractive waveguides in near-stoichiometric Fe:LiNbO3 crystals. <i>Optical Materials</i> , <b>2011</b> , 33, 773-776	3.3	7
115	Observation of parity-time symmetry in optics. <i>Nature Physics</i> , <b>2010</b> , 6, 192-195	16.2	2161
114	Wave propagation in waveguide arrays with alternating positive and negative couplings. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	38
113	Hofstadter butterflies in nonlinear Harper lattices, and their optical realizations. <i>New Journal of Physics</i> , <b>2010</b> , 12, 053017	2.9	14
112	Formation of higher-band dark gap solitons in one dimensional waveguide arrays. <i>Optics Express</i> , <b>2010</b> , 18, 27493-8	3.3	5
111	Observation of Parity-Time Symmetry in Optical Systems. <i>Optics and Photonics News</i> , <b>2010</b> , 21, 47	1.9	2
110	Quasi-one-dimensional photonic lattices and superlattices in lithium niobate: Linear and nonlinear discrete diffraction of light. <i>Physics of Wave Phenomena</i> , <b>2010</b> , 18, 1-6	1.2	4
109	Nonlinear Effects in One-Dimensional Photonic Lattices. <i>Springer Series in Optical Sciences</i> , <b>2010</b> , 3-19	0.5	
108	Experimental observation of Rabi oscillations in photonic lattices. <i>Physical Review Letters</i> , <b>2009</b> , 102, 123905	7.4	78
107	Photorefractive properties of optical waveguides in Fe:LiNbO3 crystals produced by O3+ ion implantation. <i>Applied Physics B: Lasers and Optics</i> , <b>2009</b> , 94, 467-471	1.9	11
106	Gap and dark solitons in discrete photorefractive media with intensity-resonant nonlinearity. <i>Applied Physics B: Lasers and Optics</i> , <b>2009</b> , 95, 525-530	1.9	1
105	Raman spectroscopy study of compositional inhomogeneity in lithium tantalate crystals. <i>Applied Physics B: Lasers and Optics</i> , <b>2009</b> , 95, 125-130	1.9	6
104	Optically-induced defect states in photonic lattices: formation of defect channels, directional couplers, and disordered lattices leading to Anderson-like light localization. <i>Applied Physics B: Lasers and Optics</i> , <b>2009</b> , 95, 537-543	1.9	12

103	Gap solitons in defocusing lithium niobate binary waveguide arrays fabricated by proton implantation and selective light illumination. <i>Applied Physics B: Lasers and Optics</i> , <b>2009</b> , 95, 531-535	1.9	15
102	Investigation of the mutual repelling and attraction of dark spatial solitons in a proton-implanted planar waveguide in lithium niobate. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2009</b> , 73, 1590-1593	0.4	1
101	One-dimensional bulk and planar photorefractive photonic superlattices in lithium niobate: features of linear and nonlinear discrete diffraction <b>2009</b> ,		1
100	Higher-band gap soliton formation in defocusing photonic lattices. <i>Optics Letters</i> , <b>2008</b> , 33, 2056-8	3	5
99	Measurement of the enhanced evanescent fields of integrated waveguides for optical near-field sensing. <i>Applied Optics</i> , <b>2008</b> , 47, 2357-60	1.7	4
98	Optical transitions and Rabi oscillations in waveguide arrays. <i>Optics Express</i> , <b>2008</b> , 16, 10309-14	3.3	41
97	Reconfigurable optical channel waveguides in lithium niobate crystals produced by combination of low-dose O <sup>3+</sup> ion implantation and selective white light illumination. <i>Optics Express</i> , <b>2008</b> , 16, 10465-70	3.3	32
96	Formation of reconfigurable optical channel waveguides and beam splitters on top of proton-implanted lithium niobate crystals using spatial dark soliton-like structures. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 102001	3	12
95	Dark photovoltaic spatial solitons in a planar waveguide obtained by proton implantation in lithium niobate. <i>Quantum Electronics</i> , <b>2008</b> , 38, 1045-1047	1.8	6
94	Spectroscopy of nonlinear band structures of one-dimensional photonic crystals. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	6
93	Spatial frequency combs and supercontinuum generation in one-dimensional photonic lattices. <i>Physical Review Letters</i> , <b>2008</b> , 101, 183903	7.4	8
92	Modulational instability and solitary waves in one-dimensional lattices with intensity-resonant nonlinearity. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	9
91	Discrete diffraction of light in optically induced bulk and planar photonic superlattices in photorefractive lithium niobate. <i>Russian Physics Journal</i> , <b>2008</b> , 51, 943-948	0.7	
90	Mode-selective coupler for wavelength multiplexing using LiNbO <sub>3</sub> :Ti optical waveguides. <i>Open Physics</i> , <b>2008</b> , 6,	1.3	4
89	Linear and nonlinear light localization within photorefractive photonic superlattices in lithium niobate. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2008</b> , 72, 1617-1619	0.4	1
88	Formation of dark spatial solitons in planar ion-implanted lithium niobate waveguides. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2008</b> , 72, 1620-1622	0.4	1
87	Modeling of ZnO nanorods for evanescent field optical sensors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 3487-3495	1.6	17
86	Integrated-optical add/drop multiplexer for DWDM in lithium niobate. <i>Applied Physics B: Lasers and Optics</i> , <b>2007</b> , 88, 83-88	1.9	12

85	Light propagation in double-periodic nonlinear photonic lattices in lithium niobate. <i>Applied Physics B: Lasers and Optics</i> , <b>2007</b> , 88, 359-362	1.9	10
84	Saturable discrete vector solitons in one-dimensional photonic lattices. <i>Physical Review A</i> , <b>2007</b> , 76,	2.6	9
83	Comparative Study of Composition Dependences of Photorefractive and Related Effects in LiNbO <sub>3</sub> and LiTaO <sub>3</sub> Crystals. <i>Ferroelectrics</i> , <b>2007</b> , 352, 61-71	0.6	9
82	Interaction of counterpropagating discrete solitons in a nonlinear one-dimensional waveguide array. <i>Optics Letters</i> , <b>2007</b> , 32, 512-4	3	19
81	Tamm oscillations in semi-infinite nonlinear waveguide arrays. <i>Optics Letters</i> , <b>2007</b> , 32, 823-5	3	20
80	Observation of higher-order solitons in defocusing waveguide arrays. <i>Optics Letters</i> , <b>2007</b> , 32, 1950-2	3	22
79	Optical modes at the interface between two dissimilar discrete meta-materials. <i>Optics Express</i> , <b>2007</b> , 15, 4663-70	3.3	29
78	Higher-band modulational instability in photonic lattices. <i>Optics Express</i> , <b>2007</b> , 15, 6324-9	3.3	8
77	Discrete Spatial Surface Solitons at the Interface Between Dissimilar Arrays <b>2007</b> ,		1
76	Photorefractive Waveguides <b>2006</b> , 289-315		3
75	Beam interactions in one-dimensional saturable waveguide arrays. <i>Physical Review E</i> , <b>2006</b> , 74, 046614	2.4	20
74	Optical channel waveguides in Nd:YVO <sub>4</sub> crystal produced by O <sup>+</sup> ion implantation. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 071123	3.4	34
73	Formation and light guiding properties of dark solitons in one-dimensional waveguide arrays. <i>Physical Review E</i> , <b>2006</b> , 74, 065601	2.4	43
72	Observation of modulational instability in discrete media with self-defocusing nonlinearity. <i>Optics Letters</i> , <b>2006</b> , 31, 247-9	3	30
71	Observation of staggered surface solitary waves in one-dimensional waveguide arrays. <i>Optics Letters</i> , <b>2006</b> , 31, 2338-40	3	127
70	Prism coupling method to excite and analyze Floquet-Bloch modes in linear and nonlinear waveguide arrays. <i>Optics Letters</i> , <b>2006</b> , 31, 2768-70	3	19
69	Dark and bright blocker soliton interaction in defocusing waveguide arrays. <i>Optics Express</i> , <b>2006</b> , 14, 11248-55	3.3	25
68	Observation of bright discrete gap solitons in one-dimensional photonic lattices in lithium niobate <b>2006</b> , 6180, 395		

67	Modulational instability in one-dimensional saturable waveguide arrays: Comparison with Kerr nonlinearity. <i>Optics Communications</i> , <b>2006</b> , 267, 229-235	2	12
66	Linear and nonlinear propagation of light beams in two-dimensional photorefractive photonic lattices formed in lithium niobate. <i>Russian Physics Journal</i> , <b>2006</b> , 49, 964-969	0.7	1
65	Influence of short-wavelength radiation of the visible range on the optical transmission of photorefractive lithium niobate samples. <i>Russian Physics Journal</i> , <b>2006</b> , 49, 1236-1240	0.7	
64	Quantitative evaluation of the electro-optic effect and second-order optical nonlinearity of lithium tantalate crystals of different compositions using Raman and infrared spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , <b>2006</b> , 82, 423-430	1.9	13
63	Pattern formation by spatially incoherent light in a nonlinear ring cavity. <i>Applied Physics B: Lasers and Optics</i> , <b>2006</b> , 85, 135-138	1.9	5
62	Integrated optical electric field sensor based on a Bragg grating in lithium niobate. <i>Applied Physics B: Lasers and Optics</i> , <b>2006</b> , 86, 91-95	1.9	17
61	Discrete diffraction and spatial gap solitons in photovoltaic LiNbO <sub>3</sub> waveguide arrays. <i>Optics Express</i> , <b>2005</b> , 13, 4314-24	3.3	134
60	The growth of photorefractive planar BTO/BSO and BTO/BGO waveguide. <i>Journal of Crystal Growth</i> , <b>2005</b> , 275, e2403-e2407	1.6	5
59	Dynamics of bright discrete staggered solitons in photovoltaic photorefractive media. <i>European Physical Journal B</i> , <b>2005</b> , 45, 539-546	1.2	20
58	Discrete diffraction and spatial self-action of light beams in one-dimensional photonic lattices in lithium niobate. <i>Technical Physics Letters</i> , <b>2005</b> , 31, 897	0.7	4
57	Magnesium-doped near-stoichiometric lithium tantalate crystals for nonlinear optics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2005</b> , 202, 1120-1123	1.6	4
56	Power controlled soliton stability and steering in lattices with saturable nonlinearity. <i>Physical Review Letters</i> , <b>2004</b> , 93, 033901	7.4	94
55	Photorefractive properties of undoped lithium tantalate crystals for various composition. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 7455-7459	2.5	15
54	Modulational instability on triangular dynamical lattices with long-range interactions and dispersion. <i>European Physical Journal B</i> , <b>2004</b> , 41, 495-501	1.2	3
53	Photorefractive properties of iron-doped lithium tantalate crystals. <i>Applied Physics B: Lasers and Optics</i> , <b>2004</b> , 78, 615-622	1.9	10
52	One-dimensional bright discrete solitons in media with saturable nonlinearity. <i>Physical Review E</i> , <b>2004</b> , 69, 066618	2.4	57
51	Fabrication and application of holographic Bragg gratings in lithium niobate channel waveguides. <i>Journal Physics D: Applied Physics</i> , <b>2003</b> , 36, R1-R16	3	101
50	Holographic Reflection Filters in Photorefractive LiNbO <sub>3</sub> Channel Waveguides <b>2003</b> , 113-132		2



49	Observation of Two-Dimensional Spatial Solitons in Iron-Doped Barium-Calcium Titanate Crystals. <i>Physica Status Solidi A</i> , <b>2002</b> , 189, r4-r5		3
48	All-Optical Signal Routing Using Interaction of Mutually Incoherent Spatial Solitons. <i>Ferroelectrics</i> , <b>2002</b> , 274, 135-142	0.6	18
47	(1+1)-Dimensional modulation instability of spatially incoherent light. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2002</b> , 19, 502	1.7	38
46	Photorefractive properties of lithium and copper in-diffused lithium niobate crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2002</b> , 19, 1822	1.7	15
45	Electric-field enhancement of beam coupling in Sn <sub>2</sub> P <sub>2</sub> S <sub>6</sub> . <i>Applied Physics B: Lasers and Optics</i> , <b>2001</b> , 72, 707-710	1.9	16
44	Permanent narrow-band reflection holograms for infrared light recorded in LiNbO <sub>3</sub> :Ti:Cu channel waveguides. <i>Applied Physics B: Lasers and Optics</i> , <b>2001</b> , 72, 749-753	1.9	21
43	Electrical fixing of waveguide channels in strontium-barium niobate crystals. <i>Applied Physics B: Lasers and Optics</i> , <b>2001</b> , 72, 733-736	1.9	11
42	Photorefractive steady state solitons up to telecommunication wavelengths in planar SBN waveguides. <i>Optics Communications</i> , <b>2001</b> , 188, 69-76	2	32
41	Influence of oxidizing treatments on the photorefractive properties of ferroelectric lead germanate crystals. <i>Ferroelectrics</i> , <b>2001</b> , 256, 81-89	0.6	1
40	Temporal development of photorefractive solitons up to telecommunication wavelengths in strontium-barium niobate waveguides. <i>Physical Review E</i> , <b>2001</b> , 64, 036613	2.4	33
39	Transmission of images through highly nonlinear media by gradient-index lenses formed by incoherent solitons. <i>Optics Letters</i> , <b>2001</b> , 26, 524-6	3	19
38	Self-trapping of bright rings. <i>Optics Letters</i> , <b>2001</b> , 26, 911-3	3	18
37	Photorefractive Spatial Solitons <b>2001</b> , 149-160		0
36	Thermal tuning of a fixed Bragg grating for IR light fabricated in a LiNbO <sub>3</sub> :Ti channel waveguide. <i>Applied Physics B: Lasers and Optics</i> , <b>2000</b> , 70, 73-75	1.9	7
35	Eliminating the transverse instabilities of kerr solitons. <i>Physical Review Letters</i> , <b>2000</b> , 85, 4888-91	7.4	65
34	Observation of two-dimensional multimode solitons. <i>Optics Letters</i> , <b>2000</b> , 25, 1113-5	3	54
33	Modulation Instability of Spatially Incoherent Light Beams and Pattern Formation in Incoherent Wave Systems. <i>Optics and Photonics News</i> , <b>2000</b> , 11, 34	1.9	1
32	Modulation instability and pattern formation in spatially incoherent light beams. <i>Science</i> , <b>2000</b> , 290, 495-3	3.3	237



31	Observation of dark spatial photovoltaic solitons in planar waveguides in lithium niobate. <i>Journal of Optics</i> , <b>2000</b> , 2, 500-503		18
30	Investigation of titanium- and copper-indiffused channel waveguides in lithium niobate and their application as holographic filters for infrared light. <i>Journal of Optics</i> , <b>2000</b> , 2, 481-487		12
29	Multiple phase gratings in pure, Yb- and P-doped Pb5Ge3O11 after different thermal treatments. <i>Journal of Applied Physics</i> , <b>1999</b> , 86, 1186-1190	2.5	3
28	Two-step two-color recording in a photorefractive praseodymium-doped La3Ga5SiO14 crystal. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 4037-4039	3.4	7
27	Dynamic properties of multiple grating formation in doped and thermally treated lead germanate. <i>Applied Physics B: Lasers and Optics</i> , <b>1999</b> , 68, 887-891	1.9	17
26	Interaction of spatial photorefractive solitons in a planar waveguide. <i>Applied Physics B: Lasers and Optics</i> , <b>1999</b> , 68, 971-974	1.9	28
25	Copper Diffusion into Lithium Niobate. <i>Physica Status Solidi A</i> , <b>1999</b> , 172, r3-r4		11
24	Direct laser writing of surface reliefs in dry, self-developing photopolymer films. <i>Applied Optics</i> , <b>1999</b> , 38, 5418-21	1.7	30
23	Nonvolatile holographic storage in iron-doped lithium tantalate with continuous-wave laser light. <i>Optics Letters</i> , <b>1999</b> , 24, 1302-4	3	22
22	Holographic Measurement of Dark Conductivity in LiNbO3:Ti:Fe Planar Optical Waveguides. <i>Physica Status Solidi A</i> , <b>1998</b> , 168, R3-R4		6
21	Holographic Recording in Planar Cu:H:LiTaO3 Waveguides. <i>Physica Status Solidi A</i> , <b>1998</b> , 169, 171-180		6
20	Thermal fixing of holographic gratings in planar LiNbO3:Ti:Fe waveguides. <i>Applied Physics B: Lasers and Optics</i> , <b>1998</b> , 66, 333-338	1.9	16
19	All-optical beam deflection and switching in strontium barium niobate waveguides. <i>Applied Physics Letters</i> , <b>1998</b> , 72, 1960-1962	3.4	23
18	Thermally induced self-focusing and optical beam interactions in planar strontium barium niobate waveguides. <i>Optics Letters</i> , <b>1998</b> , 23, 343-5	3	21
17	Observation of bright spatial photorefractive solitons in a planar strontium barium niobate waveguide. <i>Optics Letters</i> , <b>1998</b> , 23, 921-3	3	31
16	Thermally fixed reflection gratings for infrared light in LiNbO(3):Ti:Fe channel waveguides. <i>Optics Letters</i> , <b>1998</b> , 23, 1405-7	3	20
15	Photorefractive effect in doped Pb5Ge3O11 and in (Pb1-xBax)5Ge3O11. <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 3473-3479	2.5	29
14	Growth and photorefractive properties of doped Pb5Ge3O11 crystals and of (Pb1-xBax)5Ge3O11 solid solutions <b>1998</b> , 3554, 205		1

13	Surface relief gratings in self-developing photopolymer films <b>1998</b> , 3294, 84		1
12	Photorefractive properties of ion-implanted waveguides in strontium barium niobate crystals. <i>Applied Physics B: Lasers and Optics</i> , <b>1997</b> , 65, 511-516	1.9	30
11	Improvement of photorefractive properties of proton-exchanged LiTaO <sub>3</sub> waveguides. <i>Applied Physics B: Lasers and Optics</i> , <b>1997</b> , 65, 517-522	1.9	7
10	Characterization of photorefractive LiNbO <sub>3</sub> waveguides fabricated by combined proton and copper exchange. <i>Physica Status Solidi A</i> , <b>1995</b> , 150, 763-772		9
9	Self-stabilized holographic recording in LiNbO <sub>3</sub> :Fe crystals. <i>Optics Communications</i> , <b>1995</b> , 117, 235-240	2	35
8	Phase-conjugate waves generated by anisotropic four-wave mixing in LiNbO <sub>3</sub> and LiTaO <sub>3</sub> optical waveguides. <i>Radiation Effects and Defects in Solids</i> , <b>1995</b> , 136, 123-127	0.9	
7	Photorefractive recording by a special mechanism in planar LiNbO(3) waveguides. <i>Optics Letters</i> , <b>1995</b> , 20, 1139-41	3	9
6	Low-loss planar optical waveguides in strontium barium niobate crystals formed by ion-beam implantation. <i>Optics Letters</i> , <b>1995</b> , 20, 1256-8	3	40
5	Anisotropic two- and four-wave mixing in planar LiTaO <sub>3</sub> :Ti:Fe optical waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1994</b> , 11, 1736	1.7	8
4	Coupling of orthogonally polarized waves in LiNbO <sub>3</sub> optical waveguides. <i>Optics Communications</i> , <b>1993</b> , 95, 33-38	2	9
3	Concentration and refractive index profiles of titanium- and iron-diffused planar LiNbO <sub>3</sub> waveguides. <i>Physica Status Solidi A</i> , <b>1993</b> , 139, 241-248		19
2	Anisotropic four-wave mixing in planar LiNbO(3) optical waveguides. <i>Optics Letters</i> , <b>1992</b> , 17, 1563-5	3	19
1	All-Optical Signal Routing Using Interaction of Mutually Incoherent Spatial Solitons		2