

Detlef Kip

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1400231/detlef-kip-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Observation of parity-time symmetry in optics. <i>Nature Physics</i> , 2010 , 6, 192-195	16.2	2161
155	Modulation instability and pattern formation in spatially incoherent light beams. <i>Science</i> , 2000 , 290, 495-8	39.3	237
154	Discrete diffraction and spatial gap solitons in photovoltaic LiNbO ₃ waveguide arrays. <i>Optics Express</i> , 2005 , 13, 4314-24	3.3	134
153	Observation of staggered surface solitary waves in one-dimensional waveguide arrays. <i>Optics Letters</i> , 2006 , 31, 2338-40	3	127
152	Fabrication and application of holographic Bragg gratings in lithium niobate channel waveguides. <i>Journal Physics D: Applied Physics</i> , 2003 , 36, R1-R16	3	101
151	Power controlled soliton stability and steering in lattices with saturable nonlinearity. <i>Physical Review Letters</i> , 2004 , 93, 033901	7.4	94
150	Experimental observation of Rabi oscillations in photonic lattices. <i>Physical Review Letters</i> , 2009 , 102, 123905	7.4	78
149	Low loss ridge waveguides in lithium niobate thin films by optical grade diamond blade dicing. <i>Optics Express</i> , 2016 , 24, 1386-91	3.3	66
148	Eliminating the transverse instabilities of kerr solitons. <i>Physical Review Letters</i> , 2000 , 85, 4888-91	7.4	65
147	One-dimensional bright discrete solitons in media with saturable nonlinearity. <i>Physical Review E</i> , 2004 , 69, 066618	2.4	57
146	Observation of two-dimensional multimode solitons. <i>Optics Letters</i> , 2000 , 25, 1113-5	3	54
145	Quasi-phase-matched frequency conversion in ridge waveguides fabricated by ion implantation and diamond dicing of MgO:LiNbO(3) crystals. <i>Optics Express</i> , 2015 , 23, 30188-94	3.3	44
144	Ridge waveguide lasers in Nd:YAG crystals produced by combining swift heavy ion irradiation and precise diamond blade dicing. <i>Optical Materials Express</i> , 2013 , 3, 433	2.6	44
143	Formation and light guiding properties of dark solitons in one-dimensional waveguide arrays. <i>Physical Review E</i> , 2006 , 74, 065601	2.4	43
142	Optical transitions and Rabi oscillations in waveguide arrays. <i>Optics Express</i> , 2008 , 16, 10309-14	3.3	41
141	Low-loss planar optical waveguides in strontium barium niobate crystals formed by ion-beam implantation. <i>Optics Letters</i> , 1995 , 20, 1256-8	3	40
140	Wave propagation in waveguide arrays with alternating positive and negative couplings. <i>Physical Review A</i> , 2010 , 81,	2.6	38

139	(1+1)-Dimensional modulation instability of spatially incoherent light. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002 , 19, 502	1.7	38
138	Self-stabilized holographic recording in LiNbO ₃ :Fe crystals. <i>Optics Communications</i> , 1995 , 117, 235-240	2	35
137	Optical channel waveguides in Nd:YVO ₄ crystal produced by O ⁺ ion implantation. <i>Applied Physics Letters</i> , 2006 , 88, 071123	3.4	34
136	Temporal development of photorefractive solitons up to telecommunication wavelengths in strontium-barium niobate waveguides. <i>Physical Review E</i> , 2001 , 64, 036613	2.4	33
135	Reconfigurable optical channel waveguides in lithium niobate crystals produced by combination of low-dose O ³⁺ ion implantation and selective white light illumination. <i>Optics Express</i> , 2008 , 16, 10465-70	3.3	32
134	Photorefractive steady state solitons up to telecommunication wavelengths in planar SBN waveguides. <i>Optics Communications</i> , 2001 , 188, 69-76	2	32
133	Observation of bright spatial photorefractive solitons in a planar strontium barium niobate waveguide. <i>Optics Letters</i> , 1998 , 23, 921-3	3	31
132	Photorefractive properties of ion-implanted waveguides in strontium barium niobate crystals. <i>Applied Physics B: Lasers and Optics</i> , 1997 , 65, 511-516	1.9	30
131	Observation of modulational instability in discrete media with self-defocusing nonlinearity. <i>Optics Letters</i> , 2006 , 31, 247-9	3	30
130	Direct laser writing of surface reliefs in dry, self-developing photopolymer films. <i>Applied Optics</i> , 1999 , 38, 5418-21	1.7	30
129	Optical modes at the interface between two dissimilar discrete meta-materials. <i>Optics Express</i> , 2007 , 15, 4663-70	3.3	29
128	Photorefractive effect in doped Pb ₅ Ge ₃ O ₁₁ and in (Pb _{1-x} Bax) ₅ Ge ₃ O ₁₁ . <i>Journal of Applied Physics</i> , 1998 , 83, 3473-3479	2.5	29
127	Attosecond interferometry with self-amplified spontaneous emission of a free-electron laser. <i>Nature Communications</i> , 2017 , 8, 15626	17.4	28
126	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> , 2017 , 25, 29374	3.3	28
125	Interaction of spatial photorefractive solitons in a planar waveguide. <i>Applied Physics B: Lasers and Optics</i> , 1999 , 68, 971-974	1.9	28
124	Dark and bright blocker soliton interaction in defocusing waveguide arrays. <i>Optics Express</i> , 2006 , 14, 11248-55	3.3	25
123	All-optical beam deflection and switching in strontium-barium-niobate waveguides. <i>Applied Physics Letters</i> , 1998 , 72, 1960-1962	3.4	23
122	Observation of higher-order solitons in defocusing waveguide arrays. <i>Optics Letters</i> , 2007 , 32, 1950-2	3	22

121	Nonvolatile holographic storage in iron-doped lithium tantalate with continuous-wave laser light. <i>Optics Letters</i> , 1999 , 24, 1302-4	3	22
120	Revisiting the \mathcal{PT} -symmetric trimer: bifurcations, ghost states and associated dynamics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013 , 46, 375304	2	21
119	Permanent narrow-band reflection holograms for infrared light recorded in LiNbO ₃ :Ti:Cu channel waveguides. <i>Applied Physics B: Lasers and Optics</i> , 2001 , 72, 749-753	1.9	21
118	Thermally induced self-focusing and optical beam interactions in planar strontium barium niobate waveguides. <i>Optics Letters</i> , 1998 , 23, 343-5	3	21
117	Second harmonic generation of diamond-blade diced KTiOPO ₄ ridge waveguides. <i>Optics Express</i> , 2016 , 24, 16434-9	3.3	21
116	Beam interactions in one-dimensional saturable waveguide arrays. <i>Physical Review E</i> , 2006 , 74, 046614	2.4	20
115	Tamm oscillations in semi-infinite nonlinear waveguide arrays. <i>Optics Letters</i> , 2007 , 32, 823-5	3	20
114	Dynamics of bright discrete staggered solitons in photovoltaic photorefractive media. <i>European Physical Journal B</i> , 2005 , 45, 539-546	1.2	20
113	Thermally fixed reflection gratings for infrared light in LiNbO ₃ :Ti:Fe channel waveguides. <i>Optics Letters</i> , 1998 , 23, 1405-7	3	20
112	Interaction of counterpropagating discrete solitons in a nonlinear one-dimensional waveguide array. <i>Optics Letters</i> , 2007 , 32, 512-4	3	19
111	Prism coupling method to excite and analyze Floquet-Bloch modes in linear and nonlinear waveguide arrays. <i>Optics Letters</i> , 2006 , 31, 2768-70	3	19
110	Transmission of images through highly nonlinear media by gradient-index lenses formed by incoherent solitons. <i>Optics Letters</i> , 2001 , 26, 524-6	3	19
109	Anisotropic four-wave mixing in planar LiNbO ₃ optical waveguides. <i>Optics Letters</i> , 1992 , 17, 1563-5	3	19
108	Concentration and refractive index profiles of titanium- and iron-diffused planar LiNbO ₃ waveguides. <i>Physica Status Solidi A</i> , 1993 , 139, 241-248		19
107	All-Optical Signal Routing Using Interaction of Mutually Incoherent Spatial Solitons. <i>Ferroelectrics</i> , 2002 , 274, 135-142	0.6	18
106	Observation of dark spatial photovoltaic solitons in planar waveguides in lithium niobate. <i>Journal of Optics</i> , 2000 , 2, 500-503		18
105	Self-trapping of bright rings. <i>Optics Letters</i> , 2001 , 26, 911-3	3	18
104	Modeling of ZnO nanorods for evanescent field optical sensors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007 , 204, 3487-3495	1.6	17

103	Integrated optical electric field sensor based on a Bragg grating in lithium niobate. <i>Applied Physics B: Lasers and Optics</i> , 2006 , 86, 91-95	1.9	17
102	Dynamic properties of multiple grating formation in doped and thermally treated lead germanate. <i>Applied Physics B: Lasers and Optics</i> , 1999 , 68, 887-891	1.9	17
101	Dark-bright gap solitons in coupled-mode one-dimensional saturable waveguide arrays. <i>Physical Review A</i> , 2011 , 83,	2.6	16
100	Thermal fixing of holographic gratings in planar LiNbO ₃ :Ti:Fe waveguides. <i>Applied Physics B: Lasers and Optics</i> , 1998 , 66, 333-338	1.9	16
99	Electric-field enhancement of beam coupling in Sn ₂ P ₂ S ₆ . <i>Applied Physics B: Lasers and Optics</i> , 2001 , 72, 707-710	1.9	16
98	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> , 2009 , 95, 531-535	1.9	15
97	Photorefractive properties of undoped lithium tantalate crystals for various composition. <i>Journal of Applied Physics</i> , 2004 , 96, 7455-7459	2.5	15
96	Photorefractive properties of lithium and copper in-diffused lithium niobate crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002 , 19, 1822	1.7	15
95	Hofstadter butterflies in nonlinear Harper lattices, and their optical realizations. <i>New Journal of Physics</i> , 2010 , 12, 053017	2.9	14
94	Observation of discrete gap solitons in one-dimensional waveguide arrays with alternating spacings and saturable defocusing nonlinearity. <i>Optics Letters</i> , 2012 , 37, 1253-5	3	14
93	Er:Ti:LiNbO ₃ ridge waveguide optical amplifiers by optical grade dicing and three-side Er and Ti in-diffusion. <i>Applied Physics B: Lasers and Optics</i> , 2017 , 123, 1	1.9	13
92	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> , 2006 , 82, 423-430	1.9	13
91	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> , 2009 , 95, 537-543	1.9	12
90	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> , 2008 , 41, 102001	3	12
89	Integrated-optical add/drop multiplexer for DWDM in lithium niobate. <i>Applied Physics B: Lasers and Optics</i> , 2007 , 88, 83-88	1.9	12
88	Modulational instability in one-dimensional saturable waveguide arrays: Comparison with Kerr nonlinearity. <i>Optics Communications</i> , 2006 , 267, 229-235	2	12
87	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> , 2000 , 2, 481-487		12
86	Fabrication of low-loss Rb-exchanged ridge waveguides in z-cut KTiOPO ₄ . <i>Optical Materials Express</i> , 2018 , 8, 82	2.6	11

85	Density dependence of refractive index of nanoparticle-derived titania films on glass. <i>Thin Solid Films</i> , 2014 , 558, 86-92	2.2	11
84	Photorefractive properties of optical waveguides in Fe:LiNbO ₃ crystals produced by O ³⁺ ion implantation. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 94, 467-471	1.9	11
83	Electrical fixing of waveguide channels in strontium-barium niobate crystals. <i>Applied Physics B: Lasers and Optics</i> , 2001 , 72, 733-736	1.9	11
82	Copper Diffusion into Lithium Niobate. <i>Physica Status Solidi A</i> , 1999 , 172, r3-r4		11
81	Efficient Nd:Ti:LiNbO ridge waveguide lasers emitting around 1085 nm. <i>Optics Express</i> , 2019 , 27, 8884-8889	3.9	11
80	Resonant delocalization and Bloch oscillations in modulated lattices. <i>Optics Letters</i> , 2011 , 36, 1464-6	3	10
79	Light propagation in double-periodic nonlinear photonic lattices in lithium niobate. <i>Applied Physics B: Lasers and Optics</i> , 2007 , 88, 359-362	1.9	10
78	Photorefractive properties of iron-doped lithium tantalate crystals. <i>Applied Physics B: Lasers and Optics</i> , 2004 , 78, 615-622	1.9	10
77	Periodically poled ridge waveguides in KTP for second harmonic generation in the UV regime. <i>Optics Express</i> , 2018 , 26, 28827-28833	3.3	10
76	Dark lattice solitons in one-dimensional waveguide arrays with defocusing saturable nonlinearity and alternating couplings. <i>European Physical Journal D</i> , 2012 , 66, 1	1.3	9
75	Modulational instability and solitary waves in one-dimensional lattices with intensity-resonant nonlinearity. <i>Physical Review A</i> , 2008 , 78,	2.6	9
74	Saturable discrete vector solitons in one-dimensional photonic lattices. <i>Physical Review A</i> , 2007 , 76,	2.6	9
73	Comparative Study of Composition Dependences of Photorefractive and Related Effects in LiNbO ₃ and LiTaO ₃ Crystals. <i>Ferroelectrics</i> , 2007 , 352, 61-71	0.6	9
72	Characterization of photorefractive LiNbO ₃ waveguides fabricated by combined proton and copper exchange. <i>Physica Status Solidi A</i> , 1995 , 150, 763-772		9
71	Photorefractive recording by a special mechanism in planar LiNbO(3) waveguides. <i>Optics Letters</i> , 1995 , 20, 1139-41	3	9
70	Coupling of orthogonally polarized waves in LiNbO ₃ optical waveguides. <i>Optics Communications</i> , 1993 , 95, 33-38	2	9
69	Fiber-integrated refractive index sensor based on a diced Fabry-Perot micro-resonator. <i>Applied Optics</i> , 2017 , 56, 9139-9143	1.7	8
68	Spatial frequency combs and supercontinuum generation in one-dimensional photonic lattices. <i>Physical Review Letters</i> , 2008 , 101, 183903	7.4	8

67	Higher-band modulational instability in photonic lattices. <i>Optics Express</i> , 2007 , 15, 6324-9	3.3	8
66	Anisotropic two- and four-wave mixing in planar LiTaO ₃ :Ti:Fe optical waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1994 , 11, 1736	1.7	8
65	Dual parameter fiber-integrated sensor for refractive index and temperature measurement based on Fabry-Perot micro-resonators. <i>Applied Optics</i> , 2019 , 58, 2076-2080	1.7	8
64	Nd:sapphire channel waveguide laser. <i>Optical Materials Express</i> , 2017 , 7, 2361	2.6	7
63	Split-And-Delay Unit for FEL Interferometry in the XUV Spectral Range. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 544	2.6	7
62	Two-wave mixing of ion-implanted photorefractive waveguides in near-stoichiometric Fe:LiNbO ₃ crystals. <i>Optical Materials</i> , 2011 , 33, 773-776	3.3	7
61	Improvement of photorefractive properties of proton-exchanged LiTaO ₃ waveguides. <i>Applied Physics B: Lasers and Optics</i> , 1997 , 65, 517-522	1.9	7
60	Thermal tuning of a fixed Bragg grating for IR light fabricated in a LiNbO ₃ :Ti channel waveguide. <i>Applied Physics B: Lasers and Optics</i> , 2000 , 70, 73-75	1.9	7
59	Two-step two-color recording in a photorefractive praseodymium-doped La ₃ Ga ₅ SiO ₁₄ crystal. <i>Applied Physics Letters</i> , 1999 , 74, 4037-4039	3.4	7
58	Multistable regime and intermediate solutions in a nonlinear saturable coupler. <i>Physical Review A</i> , 2013 , 87,	2.6	6
57	Raman spectroscopy study of compositional inhomogeneity in lithium tantalate crystals. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 95, 125-130	1.9	6
56	Holographic Measurement of Dark Conductivity in LiNbO ₃ :Ti:Fe Planar Optical Waveguides. <i>Physica Status Solidi A</i> , 1998 , 168, R3-R4		6
55	Holographic Recording in Planar Cu:H:LiTaO ₃ Waveguides. <i>Physica Status Solidi A</i> , 1998 , 169, 171-180		6
54	Dark photovoltaic spatial solitons in a planar waveguide obtained by proton implantation in lithium niobate. <i>Quantum Electronics</i> , 2008 , 38, 1045-1047	1.8	6
53	Spectroscopy of nonlinear band structures of one-dimensional photonic crystals. <i>Physical Review A</i> , 2008 , 77,	2.6	6
52	Characterization of diced ridge waveguides in pure and Er-doped lithium-niobate-on-insulator (LNOI) substrates 2014 ,		5
51	Linear and nonlinear light propagation at the interface of two homogeneous waveguide arrays. <i>Optics Express</i> , 2011 , 19, 1158-67	3.3	5
50	Formation of higher-band dark gap solitons in one dimensional waveguide arrays. <i>Optics Express</i> , 2010 , 18, 27493-8	3.3	5

49	Higher-band gap soliton formation in defocusing photonic lattices. <i>Optics Letters</i> , 2008 , 33, 2056-8	3	5
48	Pattern formation by spatially incoherent light in a nonlinear ring cavity. <i>Applied Physics B: Lasers and Optics</i> , 2006 , 85, 135-138	1.9	5
47	The growth of photorefractive planar BTO/BSO and BTO/BGO waveguide. <i>Journal of Crystal Growth</i> , 2005 , 275, e2403-e2407	1.6	5
46	Versatile metal-wire waveguides for broadband terahertz signal processing and multiplexing.. <i>Nature Communications</i> , 2022 , 13, 741	17.4	5
45	Auger electron wave packet interferometry on extreme timescales with coherent soft x-rays. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020 , 53, 244008	1.3	5
44	Asymmetric Wave Propagation Through Saturable Nonlinear Oligomers. <i>Photonics</i> , 2014 , 1, 390-403	2.2	4
43	Quasi-one-dimensional photonic lattices and superlattices in lithium niobate: Linear and nonlinear discrete diffraction of light. <i>Physics of Wave Phenomena</i> , 2010 , 18, 1-6	1.2	4
42	Measurement of the enhanced evanescent fields of integrated waveguides for optical near-field sensing. <i>Applied Optics</i> , 2008 , 47, 2357-60	1.7	4
41	Mode-selective coupler for wavelength multiplexing using LiNbO ₃ :Ti optical waveguides. <i>Open Physics</i> , 2008 , 6,	1.3	4
40	Discrete diffraction and spatial self-action of light beams in one-dimensional photonic lattices in lithium niobate. <i>Technical Physics Letters</i> , 2005 , 31, 897	0.7	4
39	Magnesium-doped near-stoichiometric lithium tantalate crystals for nonlinear optics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005 , 202, 1120-1123	1.6	4
38	Spontaneous symmetry breaking of gap solitons in defect-loaded uniform one-dimensional photonic lattices. <i>Physical Review A</i> , 2013 , 88,	2.6	3
37	Photorefractive Waveguides 2006 , 289-315		3
36	Modulational instability on triangular dynamical lattices with long-range interactions and dispersion. <i>European Physical Journal B</i> , 2004 , 41, 495-501	1.2	3
35	Observation of Two-Dimensional Spatial Solitons in Iron-Doped Barium-Calcium Titanate Crystals. <i>Physica Status Solidi A</i> , 2002 , 189, r4-r5		3
34	Multiple phase gratings in pure, Yb- and P-doped Pb ₅ Ge ₃ O ₁₁ after different thermal treatments. <i>Journal of Applied Physics</i> , 1999 , 86, 1186-1190	2.5	3
33	Coherent propulsion with negative-mass fields in a photonic lattice. <i>Optics Letters</i> , 2019 , 44, 5949-5952	3	3
32	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> , 2021 , 29, 11386-11393	3.3	3

31	Influence of diluted acid mixtures on selective etching of MHz- and kHz-fs-laser inscribed structures in YAG. <i>Optical Materials Express</i> , 2021 , 11, 1546	2.6	3
30	Fiber-optic sensor measuring spatial distributions of refractive index and temperature. <i>Applied Optics</i> , 2021 , 60, 1428-1433	1.7	3
29	Rb/Ba side-diffused ridge waveguides in KTP. <i>Optics Express</i> , 2017 , 25, 19872-19877	3.3	2
28	Observation of Parity-Time Symmetry in Optical Systems. <i>Optics and Photonics News</i> , 2010 , 21, 47	1.9	2
27	Dynamics of gap solitons in one-dimensional binary lattices with saturable self-defocusing nonlinearity and alternating spacing. <i>Physical Review A</i> , 2012 , 86,	2.6	2
26	All-Optical Signal Routing Using Interaction of Mutually Incoherent Spatial Solitons		2
25	Holographic Reflection Filters in Photorefractive LiNbO3 Channel Waveguides 2003 , 113-132		2
24	KLu(WO)/SiO Tapered Waveguide Platform for Sensing Applications. <i>Micromachines</i> , 2019 , 10,	3.3	1
23	Gap and dark solitons in discrete photorefractive media with intensity-resonant nonlinearity. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 95, 525-530	1.9	1
22	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> , 2009 , 73, 1590-1593	0.4	1
21	One-dimensional bulk and planar photorefractive photonic superlattices in lithium niobate: features of linear and nonlinear discrete diffraction 2009 ,		1
20	Linear and nonlinear light localization within photorefractive photonic superlattices in lithium niobate. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2008 , 72, 1617-1619	0.4	1
19	Formation of dark spatial solitons in planar ion-implanted lithium niobate waveguides. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2008 , 72, 1620-1622	0.4	1
18	Linear and nonlinear propagation of light beams in two-dimensional photorefractive photonic lattices formed in lithium niobate. <i>Russian Physics Journal</i> , 2006 , 49, 964-969	0.7	1
17	Influence of oxidizing treatments on the photorefractive properties of ferroelectric lead germanate crystals. <i>Ferroelectrics</i> , 2001 , 256, 81-89	0.6	1
16	Modulation Instability of Spatially Incoherent Light Beams and Pattern Formation in Incoherent Wave Systems. <i>Optics and Photonics News</i> , 2000 , 11, 34	1.9	1
15	Growth and photorefractive properties of doped Pb5Ge3O11 crystals and of (Pb1-xBax)5Ge3O11 solid solutions 1998 , 3554, 205		1
14	Surface relief gratings in self-developing photopolymer films 1998 , 3294, 84		1

13	Discrete Spatial Surface Solitons at the Interface Between Dissimilar Arrays 2007 ,		1
12	Table-top interferometry on extreme time and wavelength scales. <i>Optics Express</i> , 2021 , 29, 40333-40344	5.3	1
11	Multiplexing temperature-compensated open-cavity Fabry-Perot sensors at a fiber tip. <i>Applied Optics</i> , 2021 , 60, 10402-10408	1.7	1
10	Investigation of Ytterbium Incorporation in Lithium Niobate for Active Waveguide Devices. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2189	2.6	0
9	Photorefractive Spatial Solitons 2001 , 149-160		0
8	Bright discrete solitons in spatially modulated DNLS systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015 , 48, 345201	2	
7	Discrete diffraction of light in optically induced bulk and planar photonic superlattices in photorefractive lithium niobate. <i>Russian Physics Journal</i> , 2008 , 51, 943-948	0.7	
6	Observation of bright discrete gap solitons in one-dimensional photonic lattices in lithium niobate 2006 , 6180, 395		
5	Influence of short-wavelength radiation of the visible range on the optical transmission of photorefractive lithium niobate samples. <i>Russian Physics Journal</i> , 2006 , 49, 1236-1240	0.7	
4	Phase-conjugate waves generated by anisotropic four-wave mixing in LiNbO3 and LiTaO3 optical waveguides. <i>Radiation Effects and Defects in Solids</i> , 1995 , 136, 123-127	0.9	
3	Selective etching of 10 MHz repetition rate fs-laser inscribed tracks in YAG. <i>EPJ Web of Conferences</i> , 2021 , 255, 10003	0.3	
2	Nonlinear Effects in One-Dimensional Photonic Lattices. <i>Springer Series in Optical Sciences</i> , 2010 , 3-19	0.5	
1	Design of Fiber-Tip Refractive Index Sensor Based on Resonant Waveguide Grating with Enhanced Peak Intensity. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6737	2.6	