

Detlef Kip

List of Publications by Year in descending order

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198
papers

6,321
citations

136950

32
h-index

71685

76
g-index

201
all docs

201
docs citations

201
times ranked

3565
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of parity-time symmetry in optics. Nature Physics, 2010, 6, 192-195.	16.7	2,860
2	Modulation Instability and Pattern Formation in Spatially Incoherent Light Beams. Science, 2000, 290, 495-498.	12.6	302
3	Discrete diffraction and spatial gap solitons in photovoltaic LiNbO ₃ waveguide arrays. Optics Express, 2005, 13, 4314.	3.4	149
4	Observation of staggered surface solitary waves in one-dimensional waveguide arrays. Optics Letters, 2006, 31, 2338.	3.3	143
5	Fabrication and application of holographic Bragg gratings in lithium niobate channel waveguides. Journal Physics D: Applied Physics, 2003, 36, R1-R16.	2.8	116
6	Power Controlled Soliton Stability and Steering in Lattices with Saturable Nonlinearity. Physical Review Letters, 2004, 93, 033901.	7.8	108
7	Experimental Observation of Rabi Oscillations in Photonic Lattices. Physical Review Letters, 2009, 102, 123905.	7.8	92
8	Low loss ridge waveguides in lithium niobate thin films by optical grade diamond blade dicing. Optics Express, 2016, 24, 1386.	3.4	80
9	Observation of two-dimensional multimode solitons. Optics Letters, 2000, 25, 1113.	3.3	79
10	Eliminating the Transverse Instabilities of Kerr Solitons. Physical Review Letters, 2000, 85, 4888-4891.	7.8	76
11	One-dimensional bright discrete solitons in media with saturable nonlinearity. Physical Review E, 2004, 69, 066618.	2.1	60
12	Ridge waveguide lasers in Nd:YAG crystals produced by combining swift heavy ion irradiation and precise diamond blade dicing. Optical Materials Express, 2013, 3, 433.	3.0	58
13	Quasi-phase-matched frequency conversion in ridge waveguides fabricated by ion implantation and diamond dicing of MgO:LiNbO ₃ crystals. Optics Express, 2015, 23, 30188.	3.4	50
14	(1+1)-Dimensional modulation instability of spatially incoherent light. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 502.	2.1	48
15	Self-stabilized holographic recording in LiNbO ₃ :Fe crystals. Optics Communications, 1995, 117, 235-240.	2.1	47
16	Optical transitions and Rabi oscillations in waveguide arrays. Optics Express, 2008, 16, 10309.	3.4	46
17	Formation and light guiding properties of dark solitons in one-dimensional waveguide arrays. Physical Review E, 2006, 74, 065601.	2.1	45
18	Low-loss planar optical waveguides in strontium barium niobate crystals formed by ion-beam implantation. Optics Letters, 1995, 20, 1256.	3.3	44

#	ARTICLE	IF	CITATIONS
19	Wave propagation in waveguide arrays with alternating positive and negative couplings. Physical Review A, 2010, 81, .	2.5	44
20	Observation of bright spatial photorefractive solitons in a planar strontium barium niobate waveguide. Optics Letters, 1998, 23, 921.	3.3	40
21	Efficient ridge waveguide amplifiers and lasers in Er-doped lithium niobate by optical grade dicing and three-side Er and Ti in-diffusion. Optics Express, 2017, 25, 29374.	3.4	40
22	Photorefractive steady state solitons up to telecommunication wavelengths in planar SBN waveguides. Optics Communications, 2001, 188, 69-76.	2.1	39
23	Optical channel waveguides in Nd:YVO4 crystal produced by O ⁺ ion implantation. Applied Physics Letters, 2006, 88, 071123.	3.3	38
24	Reconfigurable optical channel waveguides in lithium niobate crystals produced by combination of low-dose O ³⁺ ion implantation and selective white light illumination. Optics Express, 2008, 16, 10465.	3.4	38
25	Interaction of spatial photorefractive solitons in a planar waveguide. Applied Physics B: Lasers and Optics, 1999, 68, 971-974.	2.2	37
26	Direct laser writing of surface reliefs in dry, self-developing photopolymer films. Applied Optics, 1999, 38, 5418.	2.1	37
27	Temporal development of photorefractive solitons up to telecommunication wavelengths in strontium-barium niobate waveguides. Physical Review E, 2001, 64, 036613.	2.1	37
28	Optical modes at the interface between two dissimilar discrete meta-materials. Optics Express, 2007, 15, 4663.	3.4	35
29	Photorefractive effect in doped Pb5Ge3O11 and in (Pb1 [~] xBax)5Ge3O11. Journal of Applied Physics, 1998, 83, 3473-3479.	2.5	34
30	Photorefractive properties of ion-implanted waveguides in strontium barium niobate crystals. Applied Physics B: Lasers and Optics, 1997, 65, 511-516.	2.2	33
31	Nonvolatile holographic storage in iron-doped lithium tantalate with continuous-wave laser light. Optics Letters, 1999, 24, 1302.	3.3	33
32	Observation of modulational instability in discrete media with self-defocusing nonlinearity. Optics Letters, 2006, 31, 247.	3.3	33
33	Attosecond interferometry with self-amplified spontaneous emission of a free-electron laser. Nature Communications, 2017, 8, 15626.	12.8	33
34	All-optical beam deflection and switching in strontium [~] barium [~] niobate waveguides. Applied Physics Letters, 1998, 72, 1960-1962.	3.3	29
35	Versatile metal-wire waveguides for broadband terahertz signal processing and multiplexing. Nature Communications, 2022, 13, 741.	12.8	29
36	Thermally fixed reflection gratings for infrared light in LiNbO ₃ :Ti:Fe channel waveguides. Optics Letters, 1998, 23, 1405.	3.3	27

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37	Observation of dark spatial photovoltaic solitons in planar waveguides in lithium niobate. Journal of Optics, 2000, 2, 500-503.	1.5	27
38	Dark and bright blocker soliton interaction in defocusing waveguide arrays. Optics Express, 2006, 14, 11248.	3.4	27
39	Permanent narrow-band reflection holograms for infrared light recorded in LiNbO ₃ :Ti:Cu channel waveguides. Applied Physics B: Lasers and Optics, 2001, 72, 749-753.	2.2	26
40	Thermally induced self-focusing and optical beam interactions in planar strontium barium niobate waveguides. Optics Letters, 1998, 23, 343.	3.3	25
41	Beam interactions in one-dimensional saturable waveguide arrays. Physical Review E, 2006, 74, 046614.	2.1	25
42	Second harmonic generation of diamond-blade diced KTiOPO ₄ ridge waveguides. Optics Express, 2016, 24, 16434.	3.4	25
43	Anisotropic four-wave mixing in planar LiNbO ₃ optical waveguides. Optics Letters, 1992, 17, 1563.	3.3	24
44	Transmission of images through highly nonlinear media by gradient-index lenses formed by incoherent solitons. Optics Letters, 2001, 26, 524.	3.3	24
45	Revisiting the \mathcal{P} - \mathcal{T} -symmetric trimer: bifurcations, ghost states and associated dynamics. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 375304.	2.1	24
46	Er:Ti:LiNbO ₃ ridge waveguide optical amplifiers by optical grade dicing and three-side Er and Ti in-diffusion. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	24
47	Integrated optical electric field sensor based on a Bragg grating in lithium niobate. Applied Physics B: Lasers and Optics, 2006, 86, 91-95.	2.2	23
48	Observation of higher-order solitons in defocusing waveguide arrays. Optics Letters, 2007, 32, 1950.	3.3	23
49	Modeling of ZnO nanorods for evanescent field optical sensors. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 3487-3495.	1.8	23
50	Investigation of titanium- and copper-indiffused channel waveguides in lithium niobate and their application as holographic filters for infrared light. Journal of Optics, 2000, 2, 481-487.	1.5	22
51	Self-trapping of bright rings. Optics Letters, 2001, 26, 911.	3.3	22
52	Electric-field enhancement of beam coupling in Sn ₂ P ₂ S ₆ . Applied Physics B: Lasers and Optics, 2001, 72, 707-710.	2.2	22
53	Tamm oscillations in semi-infinite nonlinear waveguide arrays. Optics Letters, 2007, 32, 823.	3.3	22
54	Dynamic properties of multiple grating formation in doped and thermally treated lead germanate. Applied Physics B: Lasers and Optics, 1999, 68, 887-891.	2.2	21

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55	Dynamics of bright discrete staggered solitons in photovoltaic photorefractive media. <i>European Physical Journal B</i> , 2005, 45, 539-546.	1.5	20
56	Prism coupling method to excite and analyze Floquet-Bloch modes in linear and nonlinear waveguide arrays. <i>Optics Letters</i> , 2006, 31, 2768.	3.3	20
57	Photorefractive properties of undoped lithium tantalate crystals for various composition. <i>Journal of Applied Physics</i> , 2004, 96, 7455-7459.	2.5	19
58	Interaction of counterpropagating discrete solitons in a nonlinear one-dimensional waveguide array. <i>Optics Letters</i> , 2007, 32, 512.	3.3	19
59	Dark-bright gap solitons in coupled-mode one-dimensional saturable waveguide arrays. <i>Physical Review A</i> , 2011, 83, .	2.5	19
60	Efficient Nd:Ti:LiNbO ₃ ridge waveguide lasers emitting around 1085 nm. <i>Optics Express</i> , 2019, 27, 8884.	3.4	19
61	All-Optical Signal Routing Using Interaction of Mutually Incoherent Spatial Solitons. <i>Ferroelectrics</i> , 2002, 274, 135-142.	0.6	18
62	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.	2.2	18
63	Thermal fixing of holographic gratings in planar LiNbO ₃ :Ti:Fe waveguides. <i>Applied Physics B: Lasers and Optics</i> , 1998, 66, 333-338.	2.2	17
64	Density dependence of refractive index of nanoparticle-derived titania films on glass. <i>Thin Solid Films</i> , 2014, 558, 86-92.	1.8	17
65	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.	2.1	16
66	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.	2.2	16
67	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.	2.2	16
68	Fabrication of low-loss Rb-exchanged ridge waveguides in z-cut KTiOPO ₄ . <i>Optical Materials Express</i> , 2018, 8, 82.	3.0	16
69	Periodically poled ridge waveguides in KTP for second harmonic generation in the UV regime. <i>Optics Express</i> , 2018, 26, 28827.	3.4	16
70	Electrical fixing of waveguide channels in strontium-barium niobate crystals. <i>Applied Physics B: Lasers and Optics</i> , 2001, 72, 733-736.	2.2	15
71	Light propagation in double-periodic nonlinear photonic lattices in lithium niobate. <i>Applied Physics B: Lasers and Optics</i> , 2007, 88, 359-362.	2.2	15
72	Observation of discrete gap solitons in one-dimensional waveguide arrays with alternating spacings and saturable defocusing nonlinearity. <i>Optics Letters</i> , 2012, 37, 1253.	3.3	15

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73	Electronic quantum coherence in glycine molecules probed with ultrashort x-ray pulses in real time. <i>Science Advances</i> , 2022, 8, .	10.3	15
74	Characterization of photorefractive LiNbO ₃ waveguides fabricated by combined proton and copper exchange. <i>Physica Status Solidi A</i> , 1995, 150, 763-772.	1.7	14
75	Photorefractive recording by a special mechanism in planar LiNbO ₃ waveguides. <i>Optics Letters</i> , 1995, 20, 1139.	3.3	14
76	Copper Diffusion into Lithium Niobate. <i>Physica Status Solidi A</i> , 1999, 172, r3-r4.	1.7	14
77	Hofstadter butterflies in nonlinear Harper lattices, and their optical realizations. <i>New Journal of Physics</i> , 2010, 12, 053017.	2.9	14
78	Modulational instability in one-dimensional saturable waveguide arrays: Comparison with Kerr nonlinearity. <i>Optics Communications</i> , 2006, 267, 229-235.	2.1	13
79	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.	2.8	13
80	Photorefractive properties of iron-doped lithium tantalate crystals. <i>Applied Physics B: Lasers and Optics</i> , 2004, 78, 615-622.	2.2	12
81	Integrated-optical add/drop multiplexer for DWDM in lithium niobate. <i>Applied Physics B: Lasers and Optics</i> , 2007, 88, 83-88.	2.2	12
82	Photorefractive properties of optical waveguides in Fe:LiNbO ₃ crystals produced by Fe ³⁺ ion implantation. <i>Applied Physics B: Lasers and Optics</i> , 2009, 94, 467-471.	2.2	12
83	Coupling of orthogonally polarized waves in LiNbO ₃ optical waveguides. <i>Optics Communications</i> , 1993, 95, 33-38.	2.1	11
84	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	11
85	Resonant delocalization and Bloch oscillations in modulated lattices. <i>Optics Letters</i> , 2011, 36, 1464.	3.3	11
86	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	11
87	Fiber-integrated refractive index sensor based on a diced Fabry-Pérot micro-resonator. <i>Applied Optics</i> , 2017, 56, 9139.	1.8	11
88	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.	3.4	11
89	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.	2.1	10
90	Saturable discrete vector solitons in one-dimensional photonic lattices. <i>Physical Review A</i> , 2007, 76, .	2.5	10

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91	Spatial Frequency Combs and Supercontinuum Generation in One-Dimensional Photonic Lattices. <i>Physical Review Letters</i> , 2008, 101, 183903.	7.8	10
92	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.	1.5	10
93	Dual parameter fiber-integrated sensor for refractive index and temperature measurement based on Fabry-Pérot micro-resonators. <i>Applied Optics</i> , 2019, 58, 2076.	1.8	10
94	Holographic Measurement of Dark Conductivity in LiNbO ₃ :Ti:Fe Planar Optical Waveguides. <i>Physica Status Solidi A</i> , 1998, 168, R3-R4.	1.7	9
95	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.	2.2	9
96	Modulational instability and solitary waves in one-dimensional lattices with intensity-resonant nonlinearity. <i>Physical Review A</i> , 2008, 78, .	2.5	9
97	Raman spectroscopy study of compositional inhomogeneity in lithium tantalate crystals. <i>Applied Physics B: Lasers and Optics</i> , 2009, 95, 125-130.	2.2	9
98	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.	1.1	9
99	Nd:sapphire channel waveguide laser. <i>Optical Materials Express</i> , 2017, 7, 2361.	3.0	9
100	Split-And-Delay Unit for FEL Interferometry in the XUV Spectral Range. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 544.	2.5	9
101	Improvement of photorefractive properties of proton-exchanged LiTaO ₃ waveguides. <i>Applied Physics B: Lasers and Optics</i> , 1997, 65, 517-522.	2.2	8
102	Holographic Recording in Planar Cu:H:LiTaO ₃ Waveguides. <i>Physica Status Solidi A</i> , 1998, 169, 171-180.	1.7	8
103	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.	3.3	8
104	Higher-band modulational instability in photonic lattices. <i>Optics Express</i> , 2007, 15, 6324.	3.4	8
105	Coherent propulsion with negative-mass fields in a photonic lattice. <i>Optics Letters</i> , 2019, 44, 5949.	3.3	8
106	Two-wave mixing of ion-implanted photorefractive waveguides in near-stoichiometric Fe:LiNbO ₃ crystals. <i>Optical Materials</i> , 2011, 33, 773-776.	3.6	7
107	Asymmetric Wave Propagation Through Saturable Nonlinear Oligomers. <i>Photonics</i> , 2014, 1, 390-403.	2.0	7
108	The growth of photorefractive planar BTO/BSO and BTO/BGO waveguide. <i>Journal of Crystal Growth</i> , 2005, 275, e2403-e2407.	1.5	6

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127	Observation of Parity-Time Symmetry in Optical Systems. Optics and Photonics News, 2010, 21, 47.	0.5	4
128	Multiplexing temperature-compensated open-cavity Fabry-Pérot sensors at a fiber tip. Applied Optics, 2021, 60, 10402.	1.8	4
129	Multiple phase gratings in pure, Yb- and P-doped Pb ₅ Ge ₃ O ₁₁ after different thermal treatments. Journal of Applied Physics, 1999, 86, 1186-1190.	2.5	3
130	Influence of oxidizing treatments on the photorefractive properties of ferroelectric lead germanate crystals. Ferroelectrics, 2001, 256, 81-89.	0.6	3
131	Photorefractive Waveguides. , 2006, , 289-315.		3
132	Dynamics of gap solitons in one-dimensional binary lattices with saturable self-defocusing nonlinearity and alternating spacing. Physical Review A, 2012, 86, .	2.5	3
133	Spontaneous symmetry breaking of gap solitons in defect-loaded uniform one-dimensional photonic lattices. Physical Review A, 2013, 88, .	2.5	3
134	Rb/Ba side-diffused ridge waveguides in KTP. Optics Express, 2017, 25, 19872.	3.4	3
135	Investigation of Ytterbium Incorporation in Lithium Niobate for Active Waveguide Devices. Applied Sciences (Switzerland), 2020, 10, 2189.	2.5	3
136	All-Optical Signal Routing Using Interaction of Mutually Incoherent Spatial Solitons. Ferroelectrics, 2002, 274, 135-142.	0.6	3
137	Table-top interferometry on extreme time and wavelength scales. Optics Express, 2021, 29, 40333.	3.4	3
138	Modulation Instability of Spatially Incoherent Light Beams and Pattern Formation in Incoherent Wave Systems. Optics and Photonics News, 2000, 11, 34.	0.5	2
139	Linear and nonlinear propagation of light beams in two-dimensional photorefractive photonic lattices formed in lithium niobate. Russian Physics Journal, 2006, 49, 964-969.	0.4	2
140	Holographic Reflection Filters in Photorefractive LiNbO ₃ Channel Waveguides. , 2003, , 113-132.		2
141	Phase-conjugate waves generated by anisotropic four-wave mixing in LiNbO ₃ and LiTaO ₃ optical waveguides. Radiation Effects and Defects in Solids, 1995, 136, 123-127.	1.2	1
142	<title>Surface relief gratings in self-developing photopolymer films</title>. , 1998, 3294, 84.		1
143	<title>Dark spatial optical solitons in lithium niobate waveguides</title>. , 2001, , .		1
144	Linear and nonlinear light localization within photorefractive photonic superlattices in lithium niobate. Bulletin of the Russian Academy of Sciences: Physics, 2008, 72, 1617-1619.	0.6	1

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145	Formation of dark spatial solitons in planar ion-implanted lithium niobate waveguides. Bulletin of the Russian Academy of Sciences: Physics, 2008, 72, 1620-1622.	0.6	1
146	Dark spatial photovoltaic solitons and soliton-induced waveguide elements in ion-implanted planar lithium niobate waveguides. Proceedings of SPIE, 2008, , .	0.8	1
147	Gap and dark solitons in discrete photorefractive media with intensity-resonant nonlinearity. Applied Physics B: Lasers and Optics, 2009, 95, 525-530.	2.2	1
148	Investigation of the mutual repelling and attraction of dark spatial solitons in a proton-implanted planar waveguide in lithium niobate. Bulletin of the Russian Academy of Sciences: Physics, 2009, 73, 1590-1593.	0.6	1
149	One-dimensional bulk and planar photorefractive photonic superlattices in lithium niobate: features of linear and nonlinear discrete diffraction. , 2009, , .		1
150	Fluorescence in planar and ridge waveguides fabricated in Erbium-Doped lithium-niobate-on-insulator (Er:LNOI). , 2013, , .		1
151	KLu(WO4)2/SiO2 Tapered Waveguide Platform for Sensing Applications. Micromachines, 2019, 10, 454.	2.9	1
152	Discrete Spatial Surface Solitons at the Interface Between Dissimilar Arrays. , 2007, , .		1
153	<title>Self-developing photopolymer system with ultraviolet sensitivity</title>. , 1997, , .		0
154	<title>Photorefractive waveguides</title>. , 1999, , .		0
155	Bright photorefractive spatial solitons in optical waveguides on SBN. , 1999, , .		0
156	<title>Formation of diffractive optics in photopolymer films by direct laser beam writing</title>. , 1999, , .		0
157	Photoinduced absorption in a planar BTO/BSO waveguide. , 0, , .		0
158	<title>Bright photorefractive spatial solitons in barium-calcium titanate crystals</title>. , 2003, , .		0
159	Formation of photorefractive spatial solitons in barium-calcium titanate crystals. , 2003, , .		0
160	<title>Propagation of a light beam in lithium niobate waveguide arrays: from discrete diffraction to discrete self-focusing</title>. , 2005, 5851, 96.		0
161	Steering of bright discrete photovoltaic solitons in lithium niobate waveguide arrays. Proceedings of SPIE, 2005, , .	0.8	0
162	Formation of bright discrete gap solitons in onedimensional photonic lattices in lithium niobate. , 0, , .		0

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163	<title>Discrete diffraction and spatial self-action of a light beam within optically induced photonic lattice in lithium niobate</title>. , 2006, , .		0
164	<title>Observation of bright discrete gap solitons in one-dimensional photonic lattices in lithium niobate</title>. , 2006, 6180, 395.		0
165	Influence of short-wavelength radiation of the visible range on the optical transmission of photorefractive lithium niobate samples. Russian Physics Journal, 2006, 49, 1236-1240.	0.4	0
166	Novel type of one-dimensional discrete vector solitons. , 2007, , .		0
167	Experimental observation of modulational instability in the 1st and 2nd band of a self-defocusing nonlinear waveguide array. , 2007, , .		0
168	Suppression of discrete diffraction within modulated one-dimensional photorefractive photonic lattices in lithium niobate. , 2007, , .		0
169	Interaction of counterpropagating discrete solitons and nonlinear surface Tamm states in 1D waveguide arrays. , 2007, , .		0
170	Experimental observation of modulational instability in the 1st and 2nd band of a self-defocusing nonlinear waveguide array. , 2007, , .		0
171	Interaction of counterpropagating discrete solitons and nonlinear surface Tamm states in 1D waveguide arrays. , 2007, , .		0
172	Discrete diffraction of light in optically induced bulk and planar photonic superlattices in photorefractive lithium niobate. Russian Physics Journal, 2008, 51, 943-948.	0.4	0
173	Linear and nonlinear light localization within optically induced photonic superlattices in lithium niobate. , 2008, , .		0
174	Nonlinear localization of light within 1D photonic lattices and superlattices optically induced in photorefractive lithium niobate using projection technique. , 2009, , .		0
175	Experimental Demonstration of Optical Wave Propagation in PT-Symmetric Potentials. , 2009, , .		0
176	Resonant Delocalization of Light in Engineered Bloch Waveguide Arrays. , 2010, , .		0
177	Ultra-smooth ridge waveguides in lithium niobate fabricated by diamond blade dicing and high temperature in-diffusion of titanium. , 2013, , .		0
178	Precision-dicing of Nd:YAG ridge waveguides: A new platform for efficient integrated lasers. , 2013, , .		0
179	Bright discrete solitons in spatially modulated DNLS systems. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 345201.	2.1	0
180	Efficient Er and Nd:Ti:LiNbO3 Ridge Waveguide Lasers for the Development of Mid Infrared Sources. , 2019, , .		0

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181	Design of Fiber-Tip Refractive Index Sensor Based on Resonant Waveguide Grating with Enhanced Peak Intensity. Applied Sciences (Switzerland), 2021, 11, 6737.	2.5	0
182	All-Optical Signal Router Based on the Interaction of Mutually Incoherent Solitons. , 2001, , .		0
183	Permanent narrow-band reflection holograms in copper-doped lithium niobate channel waveguides for optical communications. , 2001, , .		0
184	Pattern formation and clustering of solitons in nonlinear weakly-correlated wave-systems. , 2002, , .		0
185	Spatial Optical Soliton Propagation in He-Implanted SBN Waveguides Investigated by Scanning Near-Field Optical Microscopy. , 2003, , .		0
186	Discrete Diffraction of Light Beams within Photorefractive Photonic Lattices in Lithium Niobate. , 2005, , .		0
187	Quasi-Nonvolatile Photorefractive Gratings in Iron-Copper-Doped Surface Layers of Lithium Niobate. , 2005, , .		0
188	Steering properties of bright discrete staggered solitons in photovoltaic photorefractive media. , 2005, , .		0
189	Dynamics of discrete photorefractive solitons. , 2005, , .		0
190	Linear and Nonlinear Light Propagation in Lithium Niobate Waveguide Arrays. , 2005, , .		0
191	Steering properties of the bright discrete staggered solitons in photovoltaic photorefractive media. , 2005, , .		0
192	Discrete Spatial Surface Solitons at the Interface Between Dissimilar Arrays. , 2007, , .		0
193	Experimental Observation of One-Dimensional Saturable Discrete Vector Solitons. , 2007, , .		0
194	Nonlinear Effects in One-Dimensional Photonic Lattices. Springer Series in Optical Sciences, 2010, , 3-19.	0.7	0
195	Ridge waveguide lasers in Nd:YAG ceramics produced by combining swift heavy ion irradiation and precise diamond blade dicing. , 2014, , .		0
196	Efficient Ti:LiNbO3 ridge waveguide lasers: Investigation of Er and Yb:Er doped waveguides pumped at 980nm and 1486nm. , 2018, , .		0
197	Fabrication of ridge waveguides in potassium titanyl phosphate (KTP) for nonlinear frequency conversion. , 2018, , .		0
198	Selective etching of 10 MHz repetition rate fs-laser inscribed tracks in YAG. EPJ Web of Conferences, 2021, 255, 10003.	0.3	0