

Zhigang Chen

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.

250
papers

9,446
citations

55
h-index

89
g-index

416
ext. papers

11,560
ext. citations

4.8
avg, IF

6.22
L-index

#	Paper	IF	Citations
250	Fabrication Technologies for the On-Chip Integration of 2D Materials.. <i>Small Methods</i> , 2022 , e2101435	12.8	8
249	Selective trapping of chiral nanoparticles via vector Lissajous beams.. <i>Optics Express</i> , 2022 , 30, 3592-3600	9.3	2
248	Steady optical beam propagating through turbulent environment.. <i>Optics Express</i> , 2022 , 30, 10063-10070	9.3	0
247	Nonlinear topological valley Hall edge states arising from type-II Dirac cones. <i>Advanced Photonics</i> , 2021 , 3,	8.1	7
246	Dynamically Emerging Topological Phase Transitions in Nonlinear Interacting Soliton Lattices. <i>Physical Review Letters</i> , 2021 , 127, 184101	7.4	3
245	Topological phenomena demonstrated in photorefractive photonic lattices [Invited]. <i>Optical Materials Express</i> , 2021 , 11, 1292	2.6	8
244	Topological Edge States and Solitons on a Dynamically Tunable Domain Wall of Two Opposing Helical Waveguide Arrays. <i>ACS Photonics</i> , 2021 , 8, 1077-1084	6.3	3
243	Nonlinear tuning of PT symmetry and non-Hermitian topological states. <i>Science</i> , 2021 , 372, 72-76	33.3	38
242	Wavepacket Self-Rotation and Helical Zitterbewegung in Symmetry-Broken Honeycomb Lattices. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000563	8.3	1
241	Observation of Broken-Phase Propagation of THz Pulses in a Dispersive Optical System. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000591	8.3	1
240	Giant enhancement of THz-frequency optical nonlinearity by phonon polariton in ionic crystals. <i>Nature Communications</i> , 2021 , 12, 3183	17.4	3
239	Tunable terahertz topological edge and corner states in designer surface plasmon crystals. <i>Optics Express</i> , 2021 , 29, 19531-19539	3.3	3
238	Free-space realization of tunable pin-like optical vortex beams. <i>Photonics Research</i> , 2021 , 9, 1204	6	4
237	Highlighting photonics: looking into the next decade. <i>ELight</i> , 2021 , 1,		55
236	Efficient direct mapping of the nonlinear optical response via modulated Airy beams. <i>Optics Letters</i> , 2021 , 46, 3725-3728	3	0
235	Nonlinear self-trapping and guiding of light at different wavelengths with sheep blood. <i>Optics Letters</i> , 2021 , 46, 629-632	3	2
234	Nonlinear Valley Hall Edge States in Type-II Dirac Lattices 2021 ,		2

233	Resonant Optical Nonlinearity and Fluorescence Enhancement in Electrically Tuned Plasmonic Nanosuspensions. <i>Advanced Photonics Research</i> , 2021 , 2, 2000060	1.9	0
232	Generation and control of dynamically tunable circular Pearcey beams with annular spiral-zone phase. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	3
231	Unveiling the Link between Airy-like Self-Acceleration and Diametric Drive Acceleration. <i>Physical Review Letters</i> , 2021 , 127, 083901	7.4	1
230	Nonlinear control of photonic higher-order topological bound states in the continuum. <i>Light: Science and Applications</i> , 2021 , 10, 164	16.7	15
229	Direct Reading of the Nonlinear Optical Response via Spatial Mapping. <i>Physical Review Applied</i> , 2020 , 14,	4.3	1
228	Anisotropic Optical Shock Waves in Isotropic Media with Giant Nonlocal Nonlinearity. <i>Physical Review Letters</i> , 2020 , 125, 243902	7.4	4
227	Direct Observation of Flatband Loop States Arising from Nontrivial Real-Space Topology. <i>Physical Review Letters</i> , 2020 , 124, 183901	7.4	19
226	Topological Valley Hall Edge State Lasing. <i>Laser and Photonics Reviews</i> , 2020 , 14, 2000001	8.3	25
225	Flatband Line States in Photonic Super-Honeycomb Lattices. <i>Advanced Optical Materials</i> , 2020 , 8, 1902174	7.4	15
224	Optical clearing and shielding with fan-shaped vortex beams. <i>APL Photonics</i> , 2020 , 5, 016102	5.2	5
223	Observation of quincunx-shaped and dipole-like flatband states in photonic rhombic lattices without band-touching. <i>APL Photonics</i> , 2020 , 5, 016107	5.2	10
222	Universal momentum-to-real-space mapping of topological singularities. <i>Nature Communications</i> , 2020 , 11, 1586	17.4	10
221	Giant nonlinearity of THz waves mediated by photon-phonon strong coupling 2020 ,		1
220	Experimental observation of three-dimensional non-paraxial accelerating beams. <i>Optics Express</i> , 2020 , 28, 17653-17659	3.3	4
219	Third-order Riemann pulses in optical fibers. <i>Optics Express</i> , 2020 , 28, 39827-39840	3.3	2
218	Topological photonic crystal fibers and ring resonators. <i>Optics Letters</i> , 2020 , 45, 1415-1418	3	11
217	Tunable self-similar Bessel-like beams of arbitrary order. <i>Optics Letters</i> , 2020 , 45, 1830-1833	3	2
216	Spontaneous diametric-drive acceleration initiated by a single beam in a photonic lattice. <i>Optics Letters</i> , 2020 , 45, 3175-3178	3	2

215	Weakly nonlinear topological gap solitons in Su-Schrieffer-Heeger photonic lattices. <i>Optics Letters</i> , 2020 , 45, 6466-6469	3	12
214	Direct comparison of anti-diffracting optical pin beams and abruptly autofocusing beams. <i>OSA Continuum</i> , 2020 , 3, 1525	1.4	8
213	Photonic flat-band lattices and unconventional light localization. <i>Nanophotonics</i> , 2020 , 9, 1161-1176	6.3	23
212	Nonlinear optical response and self-trapping of light in biological suspensions. <i>Advances in Physics: X</i> , 2020 , 5, 1778526	5.1	4
211	Unveiling Chiral Phase Evolution in Rabi Oscillations from a Photonic Setting. <i>Physical Review Letters</i> , 2020 , 125, 123201	7.4	0
210	Nontrivial coupling of light into a defect: the interplay of nonlinearity and topology. <i>Light: Science and Applications</i> , 2020 , 9, 147	16.7	29
209	Curved volume waveguides induced by Airy beams in negative polarizability nanosuspensions. <i>Optics Communications</i> , 2019 , 437, 90-94	2	1
208	Large-scale sharply bending paraxial beams. <i>APL Photonics</i> , 2019 , 4, 056101	5.2	4
207	Optical force-induced nonlinearity and self-guiding of light in human red blood cell suspensions. <i>Light: Science and Applications</i> , 2019 , 8, 31	16.7	25
206	Valley Vortex States and Degeneracy Lifting via Photonic Higher-Band Excitation. <i>Physical Review Letters</i> , 2019 , 122, 123903	7.4	13
205	Robust propagation of pin-like optical beam through atmospheric turbulence. <i>APL Photonics</i> , 2019 , 4, 076103	5.2	19
204	Optical spatial shock waves in nonlocal nonlinear media. <i>Advances in Physics: X</i> , 2019 , 4, 1662733	5.1	9
203	Cell deformation and assessment with tunable Bug-of-war optical tweezers 2019 ,		2
202	Generation and probing of 3D helical lattices with tunable helix pitch and interface. <i>Optics Express</i> , 2019 , 27, 121-131	3.3	10
201	Rabi-like oscillation of photonic topological valley Hall edge states. <i>Optics Letters</i> , 2019 , 44, 3342-3345	3	6
200	Optical generation and control of spatial Riemann waves. <i>Optics Letters</i> , 2019 , 44, 3542-3545	3	5
199	Coherent propulsion with negative-mass fields in a photonic lattice. <i>Optics Letters</i> , 2019 , 44, 5949-5952	3	3
198	Airy beams and accelerating waves: an overview of recent advances. <i>Optica</i> , 2019 , 6, 686	8.6	164

197	Plasmonic resonant nonlinearity and synthetic optical properties in gold nanorod suspensions. <i>Photonics Research</i> , 2019 , 7, 28	6	6
196	Guiding and routing of a weak signal via a reconfigurable gravity-like potential. <i>Photonics Research</i> , 2019 , 7, 1087	6	3
195	Synthetic optical vortex beams from the analogous trajectory change of an artificial satellite. <i>Photonics Research</i> , 2019 , 7, 1101	6	8
194	Demonstration of turbulence-resistant propagation of anti-diffracting optical beams beyond kilometer distances 2019 ,		1
193	Manipulation and Assessment of Human Red Blood Cells with Tunable Tug-of-War Optical Tweezers. <i>Physical Review Applied</i> , 2019 , 12,	4-3	5
192	Visualizing a Nonlinear Response in a Schrödinger Wave. <i>Physical Review Letters</i> , 2019 , 123, 234101	7-4	8
191	Generation of non-paraxial accelerating beams by active aberration compensation. <i>Optics Communications</i> , 2019 , 437, 11-16	2	2
190	Observation of spatial optical diametric drive acceleration in photonic lattices. <i>Optics Letters</i> , 2018 , 43, 118-121	3	5
189	Observation of microscale nonparaxial optical bottle beams. <i>Optics Letters</i> , 2018 , 43, 3878-3881	3	9
188	Observation of Valley Landau-Zener-Bloch Oscillations and Pseudospin Imbalance in Photonic Graphene. <i>Physical Review Letters</i> , 2018 , 121, 033904	7-4	12
187	Free-space coupling enhancement of micro-resonators via self-accelerating beams. <i>Optics Express</i> , 2018 , 26, 32055-32062	3-3	
186	Airy-soliton interactions in self-defocusing media with PT potentials. <i>Europhysics Letters</i> , 2018 , 124, 140066		1
185	Unconventional Flatband Line States in Photonic Lieb Lattices. <i>Physical Review Letters</i> , 2018 , 121, 263902	7-4	45
184	Cherenkov Radiation Control via Self-accelerating Wave-packets. <i>Scientific Reports</i> , 2017 , 7, 8695	4-9	15
183	Nonlinear Self-Action of Light through Biological Suspensions. <i>Physical Review Letters</i> , 2017 , 119, 058107	7-4	32
182	Soliton-mediated orientational ordering of gold nanorods and birefringence in plasmonic suspensions. <i>Optics Letters</i> , 2017 , 42, 627-630	3	4
181	Vortex degeneracy lifting and Aharonov-Bohm-like interference in deformed photonic graphene. <i>Optics Letters</i> , 2017 , 42, 915-918	3	7
180	Tug-of-War Optical Tweezers to Control Cell Clusters 2017 ,		2

179	Optical tug-of-war tweezers: shaping light for dynamic control of bacterial cells (Invited Paper). <i>Chinese Optics Letters</i> , 2017 , 15, 030010-30013	2.2	7
178	Observation of localized flat-band states in Kagome photonic lattices. <i>Optics Express</i> , 2016 , 24, 8877-85	3.3	86
177	Optimal compression and energy confinement of optical Airy bullets. <i>Optics Express</i> , 2016 , 24, 26454-26463	3.3	14
176	Optical disassembly of cellular clusters by tunable 'tug-of-war' tweezers. <i>Light: Science and Applications</i> , 2016 , 5,	16.7	35
175	Light localization and nonlinear beam transmission in specular amorphous photonic lattices. <i>Optics Express</i> , 2016 , 24, 2420-6	3.3	7
174	Guiding and nonlinear coupling of light in plasmonic nanosuspensions. <i>Optics Letters</i> , 2016 , 41, 3817-20	3	17
173	Demonstration of flat-band image transmission in optically induced Lieb photonic lattices. <i>Optics Letters</i> , 2016 , 41, 1435-8	3	83
172	Experimental Generation of Riemann Waves in Optics: A Route to Shock Wave Control. <i>Physical Review Letters</i> , 2016 , 117, 073902	7.4	33
171	Scattering detection of a solenoidal Poynting vector field. <i>Optics Letters</i> , 2016 , 41, 3615-8	3	7
170	Improved intrapulse raman scattering control via asymmetric airy pulses. <i>Physical Review Letters</i> , 2015 , 114, 073901	7.4	33
169	Composite multi-vortex diffraction-free beams and van-Hove singularities in honeycomb lattices. <i>Optics Letters</i> , 2015 , 40, 1037-40	3	2
168	Laser-assisted guiding of electric discharges around objects. <i>Science Advances</i> , 2015 , 1, e1400111	14.3	84
167	Curved singular beams for three-dimensional particle manipulation. <i>Scientific Reports</i> , 2015 , 5, 12086	4.9	86
166	Specially shaped Bessel-like self-accelerating beams along predesigned trajectories. <i>Science Bulletin</i> , 2015 , 60, 1157-1169	10.6	11
165	Controlled generation of pseudospin-mediated vortices in photonic graphene. <i>2D Materials</i> , 2015 , 2, 034007	5.9	7
164	Observation of self-trapping and rotation of higher-band gap solitons in two-dimensional photonic lattices. <i>Optics Express</i> , 2015 , 23, 4397-405	3.3	6
163	Evaluating the toxic effect of an antimicrobial agent on single bacterial cells with optical tweezers. <i>Biomedical Optics Express</i> , 2015 , 6, 112-7	3.5	13
162	Efficient Optical Energy Harvesting in Self-Accelerating Beams. <i>Scientific Reports</i> , 2015 , 5, 13197	4.9	12

161	Incoherent self-accelerating beams. <i>Optica</i> , 2015 , 2, 886	8.6	26
160	Image signal transmission with Airy beams. <i>Optics Letters</i> , 2015 , 40, 5686-9	3	34
159	1. Recent progresses on weak-light nonlinear optics 2015 , 1-104		
158	Unveiling pseudospin and angular momentum in photonic graphene. <i>Nature Communications</i> , 2015 , 6, 6272	17.4	89
157	Observation of unconventional edge states in 'photonic graphene'. <i>Nature Materials</i> , 2014 , 13, 57-62	27	202
156	Plasmonic resonant solitons in metallic nanosuspensions. <i>Nano Letters</i> , 2014 , 14, 2498-504	11.5	38
155	Observation of accelerating Wannier-Stark beams in optically induced photonic lattices. <i>Optics Letters</i> , 2014 , 39, 1065-8	3	9
154	Accelerating diffraction-free beams in photonic lattices. <i>Optics Letters</i> , 2014 , 39, 2129-32	3	12
153	Dark Soliton Attraction and Optical Spatial Shock Waves Observed in M-cresol/Nylon Solutions 2014 ,		1
152	. <i>IEEE Photonics Journal</i> , 2014 , 6, 1-6	1.8	5
151	Giant tunable self-defocusing nonlinearity and dark soliton attraction observed in m-cresol/nylon thermal solutions. <i>Optical Materials Express</i> , 2014 , 4, 1807	2.6	9
150	Dynamical deformed Airy beams with arbitrary angles between two wings. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014 , 31, 1468-72	1.8	8
149	Topological creation and destruction of edge states in photonic graphene. <i>Physical Review Letters</i> , 2013 , 111, 103901	7.4	183
148	Multipath multicomponent self-accelerating beams through spectrum-engineered position mapping. <i>Physical Review A</i> , 2013 , 88,	2.6	34
147	Optical nonlinearities and enhanced light transmission in soft-matter systems with tunable polarizabilities. <i>Physical Review Letters</i> , 2013 , 111, 218302	7.4	52
146	Tunable polarizability and self-trapping of light in colloidal suspensions of gold nanoparticles 2013 ,		2
145	Trapping and guiding microparticles with self-accelerating vortex beams 2013 ,		2
144	Periodic self-accelerating beams by combined phase and amplitude modulation in the Fourier space. <i>Optics Letters</i> , 2013 , 38, 3387-9	3	18

143	Spectrum to distance mapping via nonlinear Airy pulses. <i>Optics Letters</i> , 2013 , 38, 380-2	3	32
142	Repositioning and steering laser beam power via coherent combination of multiple Airy beams. <i>Applied Optics</i> , 2013 , 52, 8512-7	1.7	4
141	Generation of linear and nonlinear propagation of three-Airy beams. <i>Optics Express</i> , 2013 , 21, 1615-22	3.3	10
140	Interactions between self-channeled optical beams in soft-matter systems with artificial nonlinearities. <i>Optics Letters</i> , 2013 , 38, 3585-7	3	15
139	Three-dimensional nonparaxial beams in parabolic rotational coordinates. <i>Optics Letters</i> , 2013 , 38, 3934-6		14
138	Observation of self-accelerating Bessel-like optical beams along arbitrary trajectories. <i>Optics Letters</i> , 2013 , 38, 498-500	3	83
137	Inversion and tight focusing of Airy pulses under the action of third-order dispersion. <i>Optics Letters</i> , 2013 , 38, 2499-501	3	79
136	Research progress and application prospect of Airy beams. <i>Chinese Science Bulletin</i> , 2013 , 58, 3513-3520.	2.9	9
135	Mathieu and Weber accelerating beams beyond the paraxial limit 2013 ,		1
134	Trapping aerosols with optical bottle arrays generated through a superposition of multiple Airy beams. <i>Chinese Optics Letters</i> , 2013 , 11, 033502-33504	2.2	23
133	Self-accelerating and self-breathing Bessel-like beams along arbitrary trajectories. <i>Chinese Optics Letters</i> , 2013 , 11, 110701-110704	2.2	5
132	Generation of autofocusing beams with multi-Airy beams. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013 , 62, 034209	0.6	8
131	Nonparaxial Mathieu and Weber accelerating beams. <i>Physical Review Letters</i> , 2012 , 109, 193901	7.4	224
130	Optical spatial solitons: historical overview and recent advances. <i>Reports on Progress in Physics</i> , 2012 , 75, 086401	14.4	274
129	Reshaping the trajectory and spectrum of nonlinear Airy beams. <i>Optics Letters</i> , 2012 , 37, 3201-3	3	42
128	Self-accelerating Airy Beams: Generation, Control, and Applications. <i>Springer Series in Optical Sciences</i> , 2012 , 1-46	0.5	38
127	Experiments on Linear and Nonlinear Localization of Optical Vortices in Optically Induced Photonic Lattices. <i>International Journal of Optics</i> , 2012 , 2012, 1-10	0.9	5
126	Tunable self-shifting Bloch modes in anisotropic hexagonal photonic lattices. <i>Optics Letters</i> , 2012 , 37, 2184-6	3	3

125	Observation of trapping and transporting air-borne absorbing particles with a single optical beam. <i>Optics Express</i> , 2012 , 20, 16212	3.3	41
124	Generation of linear and nonlinear nonparaxial accelerating beams. <i>Optics Letters</i> , 2012 , 37, 2820-2	3	104
123	Elimination of transverse instability in stripe solitons by one-dimensional lattices. <i>Optics Letters</i> , 2012 , 37, 1571-3	3	4
122	Symmetry-breaking diffraction and dynamic self-trapping in optically induced hexagonal photonic lattices. <i>Applied Physics Letters</i> , 2012 , 100, 061907	3.4	5
121	Abruptly autofocusing and autodefocusing optical beams with arbitrary caustics. <i>Physical Review A</i> , 2012 , 85,	2.6	86
120	Bessel-like optical beams with arbitrary trajectories. <i>Optics Letters</i> , 2012 , 37, 5003-5	3	87
119	Trapping and rotating microparticles and bacteria with moiré-based optical propelling beams. <i>Biomedical Optics Express</i> , 2012 , 3, 1891-7	3.5	22
118	Spatial Beam Dynamics Mediated by Hybrid Nonlinearity. <i>Springer Series in Optical Sciences</i> , 2012 , 133-170	5	
117	Image transmission using stable solitons of arbitrary shapes in photonic lattices. <i>Optics Letters</i> , 2011 , 36, 772-4	3	18
116	Anomalous interactions of spatial gap solitons in optically induced photonic lattices. <i>Optics Letters</i> , 2011 , 36, 1167-9	3	12
115	Trapping and transporting aerosols with a single optical bottle beam generated by moiré techniques. <i>Optics Letters</i> , 2011 , 36, 1491-3	3	104
114	Trapping and guiding microparticles with morphing autofocusing Airy beams. <i>Optics Letters</i> , 2011 , 36, 2883-5	3	394
113	Plasmonic Airy beams with dynamically controlled trajectories. <i>Optics Letters</i> , 2011 , 36, 3191-3	3	169
112	Acceleration control of Airy beams with optically induced refractive-index gradient. <i>Optics Letters</i> , 2011 , 36, 3230-2	3	84
111	Fourier-space generation of abruptly autofocusing beams and optical bottle beams. <i>Optics Letters</i> , 2011 , 36, 3675-7	3	122
110	Abruptly autofocusing waves 2011 ,		1
109	Reconfigurable 3D photonic lattices by optical induction for optical control of beam propagation. <i>Applied Physics B: Lasers and Optics</i> , 2011 , 104, 553-560	1.9	5
108	Control of self-accelerating Airy beams with optically-induced refractive-index gradient 2011 ,		1

107	Discrete beam acceleration in uniform waveguide arrays. <i>Physical Review A</i> , 2011 , 84,	2.6	26
106	Nonlinear beam deflection in photonic lattices with negative defects. <i>Physical Review A</i> , 2011 , 83,	2.6	10
105	Wave propagation in waveguide arrays with alternating positive and negative couplings 2010 ,		1
104	Wave propagation in waveguide arrays with alternating positive and negative couplings. <i>Physical Review A</i> , 2010 , 81,	2.6	38
103	Incomplete Brillouin-zone spectra and controlled Bragg reflection with ionic-type photonic lattices. <i>Physical Review A</i> , 2010 , 81,	2.6	19
102	Self-trapping of optical vortices at the surface of an induced semi-infinite photonic lattice. <i>Optics Express</i> , 2010 , 18, 5873-8	3.3	6
101	Nonlinear spectrum broadening of femtosecond laser pulses in photorefractive waveguide arrays. <i>Optics Express</i> , 2010 , 18, 10112-9	3.3	1
100	Interface solitons excited between a simple lattice and a superlattice. <i>Optics Express</i> , 2010 , 18, 14679-84,	3.3	10
99	Tuning of Bloch modes, diffraction, and refraction by two-dimensional lattice reconfiguration. <i>Optics Letters</i> , 2010 , 35, 892-4	3	18
98	Observation of bandgap guidance of optical vortices in a tunable negative defect. <i>Optics Letters</i> , 2010 , 35, 2106-8	3	5
97	Optimal control of the ballistic motion of Airy beams. <i>Optics Letters</i> , 2010 , 35, 2260-2	3	120
96	Observation of soliton interaction and planetlike orbiting in Bessel-like photonic lattices. <i>Optics Letters</i> , 2010 , 35, 2284-6	3	9
95	Generation and nonlinear self-trapping of optical propelling beams. <i>Optics Letters</i> , 2010 , 35, 3129-31	3	29
94	Observation of coherent destruction of tunneling and unusual beam dynamics due to negative coupling in three-dimensional photonic lattices. <i>Optics Letters</i> , 2010 , 35, 3252-4	3	34
93	Persistence and breakdown of Airy beams driven by an initial nonlinearity. <i>Optics Letters</i> , 2010 , 35, 3952-4	3	67
92	Self-trapping and stabilization of doubly-charged optical vortices in two-dimensional photonic lattices. <i>Journal of Modern Optics</i> , 2010 , 57, 1377-1387	1.1	1
91	Light Localization by Defects in Optically Induced Photonic Structures. <i>Springer Series in Optical Sciences</i> , 2010 , 127-143	0.5	1
90	Hybrid nonlinearity supported by nonconventionally biased photorefractive crystals. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 95, 559-563	1.9	6

89	Orientation-dependent excitations of lattice soliton trains with hybrid nonlinearity. <i>Optics Letters</i> , 2009 , 34, 1114-6	3	10
88	Observation of optical Shockley-like surface states in photonic superlattices. <i>Optics Letters</i> , 2009 , 34, 1633-5	3	144
87	Saddle solitons: a balance between bi-diffraction and hybrid nonlinearity. <i>Optics Letters</i> , 2009 , 34, 3259-61	7	
86	Optical induction of three-dimensional photonic lattices and enhancement of discrete diffraction. <i>Optics Express</i> , 2009 , 17, 13151-6	3.3	22
85	Beam control and multi-color routing with spatial photonic defect modes. <i>Optics Express</i> , 2009 , 17, 16927-32	18	
84	Stabilization and breakup of optical vortices in presence of hybrid nonlinearity. <i>Optics Express</i> , 2009 , 17, 23130-6	3.3	17
83	Geometric stabilization of extended S=2 vortices in two-dimensional photonic lattices: Theoretical analysis, numerical computation, and experimental results. <i>Physical Review A</i> , 2009 , 80,	2.6	9
82	Transition between Tamm-like and Shockley-like surface states in optically induced photonic superlattices. <i>Physical Review A</i> , 2009 , 80,	2.6	33
81	Optically induced transition between discrete and gap solitons in a nonconventionally biased photorefractive crystal. <i>Optics Letters</i> , 2008 , 33, 878-80	3	18
80	Demonstration of surface soliton arrays at the edge of a two-dimensional photonic lattice. <i>Optics Letters</i> , 2008 , 33, 1240-2	3	15
79	Band-Gap Engineering and Light Manipulation with Egg-Crate Photonic Lattices. <i>Optics and Photonics News</i> , 2008 , 19, 25	1.9	6
78	Elliptical discrete solitons supported by enhanced photorefractive anisotropy. <i>Optics Express</i> , 2008 , 16, 3865-70	3.3	30
77	Self-trapping of optical vortices in waveguide lattices with a self-defocusing nonlinearity. <i>Optics Express</i> , 2008 , 16, 10110-6	3.3	21
76	Linear instability of two-dimensional low-amplitude gap solitons near band edges in periodic media. <i>Physical Review A</i> , 2008 , 78,	2.6	20
75	Novel spatial solitons in light-induced photonic bandgap structures. <i>Frontiers of Physics in China</i> , 2008 , 3, 1-12		6
74	Dipole and quadrupole solitons in optically-induced two-dimensional defocusing photonic lattices. <i>Physica D: Nonlinear Phenomena</i> , 2008 , 237, 3123-3134	3.3	12
73	OBSERVATION OF ONE- AND TWO-DIMENSIONAL DISCRETE SURFACE SPATIAL SOLITONS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2007 , 16, 401-426	0.8	27
72	Two-dimensional defect modes in optically induced photonic lattices. <i>Physical Review A</i> , 2007 , 76,	2.6	33

71	Observation of two-dimensional surface solitons. <i>Physical Review Letters</i> , 2007 , 98, 123903	7.4	129
70	Nonlinear spectrum reshaping and gap-soliton-train trapping in optically induced photonic structures. <i>Physical Review Letters</i> , 2007 , 98, 213903	7.4	53
69	Observation of in-band lattice solitons. <i>Physical Review Letters</i> , 2007 , 99, 243901	7.4	41
68	Observation of dipole-like gap solitons in self-defocusing waveguide lattices. <i>Optics Letters</i> , 2007 , 32, 3011-3	3	19
67	Elliptical solitons in nonconventionally biased photorefractive crystals. <i>Optics Express</i> , 2007 , 15, 536-44	3.3	31
66	High-order-mode soliton structures in two-dimensional lattices with defocusing nonlinearity. <i>Physical Review E</i> , 2006 , 74, 066606	2.4	30
65	Band-gap guidance in optically induced photonic lattices with a negative defect. <i>Physical Review Letters</i> , 2006 , 96, 223903	7.4	63
64	Defect solitons in photonic lattices. <i>Physical Review E</i> , 2006 , 73, 026609	2.4	77
63	Observation of discrete solitons and soliton rotation in optically induced periodic ring lattices. <i>Physical Review Letters</i> , 2006 , 96, 083904	7.4	101
62	Three Is a Crowd: Solitary Waves in Photorefractive Media with Three Potential Wells. <i>SIAM Journal on Applied Dynamical Systems</i> , 2006 , 5, 598-633	2.8	37
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