Yuri S Kivshar

List of Publications by Year
in descending order

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1,217	83,014	356	877
papers	citations	136 h-index	243 g-index

1226	1226	1226	27606
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polarizationâ€Independent Quasibound States in the Continuum. Advanced Photonics Research, 2022, 3, 2100144.	3.6	21
2	High-Harmonic Generation from Resonant Dielectric Metasurfaces Empowered by Bound States in the Continuum. ACS Photonics, 2022, 9, 567-574.	6.6	84
3	Multipole Born series approach to light scattering by Mie-resonant nanoparticle structures. Journal of Optics (United Kingdom), 2022, 24, 035603.	2.2	3
4	Asymmetric topological pumping in nonparaxial photonics. Nature Communications, 2022, 13, 249.	12.8	17
5	Mie scattering yields chiral nonlinearity. Nature Photonics, 2022, 16, 89-90.	31.4	5
6	Intelligent metaphotonics empowered by machine learning. Opto-Electronic Advances, 2022, 5, 210147-210147.	13.3	82
7	Seeing is believing. Light: Science and Applications, 2022, 11, 45.	16.6	3
8	Reaching the superscattering regime with BIC physics. Journal of Physics: Conference Series, 2022, 2172, 012003.	0.4	1
9	Low threshold nanolasers based on topological resonant modes. , 2022, , .		0
10	Multifunctional Virus Manipulation with Largeâ€Scale Arrays of Allâ€Dielectric Resonant Nanocavities. Laser and Photonics Reviews, 2022, 16, .	8.7	23
11	The Rise of Mie-tronics. Nano Letters, 2022, 22, 3513-3515.	9.1	41
12	Modeling of second sound in carbon nanostructures. Physical Review B, 2022, 105, .	3.2	3
13	Resonant tunneling and bound states in the continuum. Low Temperature Physics, 2022, 48, 389-395.	0.6	2
14	Enhanced Five-Photon Photoluminescence in Subwavelength AlGaAs Resonators. Nano Letters, 2022, 22, 4200-4206.	9.1	5
15	Multifunctional and Transformative Metaphotonics with Emerging Materials. Chemical Reviews, 2022, 122, 15414-15449.	47.7	23
16	Asymmetric parametric generation of images with nonlinear dielectric metasurfaces. Nature Photonics, 2022, 16, 561-565.	31.4	45
17	Enhanced Purcell factor for nanoantennas supporting interfering resonances. Physical Review Research, 2022, 4, .	3.6	10
18	Temperature control of electromagnetic topological edge states. Applied Physics Letters, 2022, 120, .	3.3	4

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19	All-dielectric resonant metaphotonics: opinion. Optical Materials Express, 2022, 12, 2879.	3.0	6
20	Topology-empowered membrane devices for terahertz photonics. Advanced Photonics, 2022, 4, .	11.8	13
21	Planar chiral metasurfaces with maximal and tunable chiroptical response driven by bound states in the continuum. Nature Communications, 2022, 13, .	12.8	131
22	Observation of Supercavity Modes in Subwavelength Dielectric Resonators. Advanced Materials, 2021, 33, e2003804.	21.0	60
23	Hybrid Dielectric Metasurfaces for Enhancing Second-Harmonic Generation in Chemical Vapor Deposition Grown MoS₂ Monolayers. ACS Photonics, 2021, 8, 218-227.	6.6	41
24	Dielectric Resonant Metaphotonics. ACS Photonics, 2021, 8, 102-112.	6.6	214
25	High-Q localized states in finite extent arrays of Mie resonators. , 2021, , .		0
26	Third-harmonic generation enhanced by topological corner states in valley-Hall dielectric metasurfaces. , 2021, , .		0
27	Plasmonic diatomic metasurfaces for full-Stokes polarization perfect absorption. , 2021, , .		0
28	Exceptionally high coupling of light into optical fibers via all-dielectric nanostructures. , 2021, , .		0
29	Topology-controlled Polarized Photoluminescence from Rare-earth Doped Nanocrystals. , 2021, , .		0
30	Fano Resonances in Individual Dielectric Nanoantennas. , 2021, , .		0
31	Low-Threshold Lasing from Anapole Metasurfaces. , 2021, , .		0
32	Full-Stokes Polarization Perfect Absorption with Diatomic Metasurfaces. Nano Letters, 2021, 21, 1090-1095.	9.1	78
33	Nonlinear metasurfaces with asymmetric light generation. , 2021, , .		0
34	Bound States in the Continuum Employed for Maximizing Metasurface Chirality. , 2021, , .		0
35	Versatile Manipulation of Viruses in All-Dielectric Optofluidic Nanocavity Arrays. , 2021, , .		0
36	From Fano to Quasi-BIC Resonances in Individual Dielectric Nanoantennas. Nano Letters, 2021, 21, 1765-1771.	9.1	96

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37	Topological polarization singularities in metaphotonics. Nanophotonics, 2021, 10, 1469-1486.	6.0	42
38	Quantum Hall phases emerging from atomâ€“photon interactions. Npj Quantum Information, 2021, 7, .	6.7	25
39	Tunable Mie-Resonant Dielectric Metasurfaces Based on VO₂ Phase-Transition Materials. ACS Photonics, 2021, 8, 1206-1213.	6.6	80
40	Mark Stockman: Evangelist for Plasmonics. ACS Photonics, 2021, 8, 683-698.	6.6	2
41	Metasurfaces for quantum photonics. Nature Photonics, 2021, 15, 327-336.	31.4	198
42	Nonlinear Circular Dichroism in Mie-Resonant Nanoparticle Dimers. Nano Letters, 2021, 21, 4381-4387.	9.1	30
43	Allâ€Dielectric Nanostructures with a Thermoresponsible Dynamic Polymer Shell. Angewandte Chemie, 2021, 133, 12847-12851.	2.0	1
44	Allâ€Dielectric Nanostructures with a Thermoresponsible Dynamic Polymer Shell. Angewandte Chemie - International Edition, 2021, 60, 12737-12741.	13.8	10
45	Nonlinear Imaging of Nanoscale Topological Corner States. Nano Letters, 2021, 21, 4592-4597.	9.1	51
46	Imaging-based spectrometer-less optofluidic biosensors based on dielectric metasurfaces for detecting extracellular vesicles. Nature Communications, 2021, 12, 3246.	12.8	137
47	Generation of High Harmonics in Silicon Metasurfaces Boosted by Bound States in the Continuum. , 2021, , .		0
48	All-dielectric Metasurfaces Enabling Imaging-based Real-time Biosensing. , 2021, , .		0
49	Nonlinear Circular Dichroism in the Second-Harmonic Generation from AlGaAs Nanoparticle Dimers. , 2021, , .		0
50	Quo Vadis, Metasurfaces?. Nano Letters, 2021, 21, 5461-5474.	9.1	129
51	Bound states in the continuum in symmetry broken resonator rings. , 2021, , .		0
52	Bound States in the Continuum Underpin Nearâ€Lossless Maximum Chirality in Dielectric Metasurfaces. Advanced Optical Materials, 2021, 9, 2100797.	7.3	71
53	Ultralow-threshold laser using super-bound states in the continuum. Nature Communications, 2021, 12, 4135.	12.8	181
54	Lasing Action from Anapole Metasurfaces. Nano Letters, 2021, 21, 6563-6568.	9.1	43

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55	Novel non-plasmonic nanolasers empowered by topology and interference effects. Nanophotonics, 2021, 10, 3599-3611.	6.0	12
56	Hybrid anisotropic plasmonic metasurfaces with multiple resonances of focused light beams. Nano Letters, 2021, 21, 8917-8923.	9.1	76
57	Enhanced Multiphoton Processes in Perovskite Metasurfaces. Nano Letters, 2021, 21, 7191-7197.	9.1	40
58	All-dielectric thermonanophotonics. Advances in Optics and Photonics, 2021, 13, 643.	25.5	46
59	Waferâ€Scale Functional Metasurfaces for Midâ€Infrared Photonics and Biosensing. Advanced Materials, 2021, 33, e2102232.	21.0	64
60	Multipole optimization of light focusing by silicon nanosphere structures. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 3009.	2.1	4
61	Imaging-based Optofluidic Biosensors Enabled by All-dielectric metasurfaces. , 2021, , .		0
62	Second-Harmonic-Generation Circular Dichroism in Dielectric Nanoantenna Dimers. , 2021, , .		0
63	Radial bound states in the continuum. , 2021, , .		0
64	Observation of Ultrafast Self-Action Effects in Resonant Dielectric Metasurfaces. , 2021, , .		0
65	Super-BIC Laser. , 2021, , .		0
66	Lasing from Multipolar Modes of Topological Corner States. , 2021, , .		1
67	Observation of Ultrafast Self-Action Effects in Quasi-BIC Resonant Metasurfaces. Nano Letters, 2021, 21, 8848-8855.	9.1	33
68	Multidimensional phase singularities in nanophotonics. Science, 2021, 374, eabj0039.	12.6	108
69	Topological Photonics on a Small Scale. Small Science, 2021, 1, .	9.9	17
70	Waferâ€Scale Functional Metasurfaces for Midâ€Infrared Photonics and Biosensing (Adv. Mater. 43/2021). Advanced Materials, 2021, 33, 2170337.	21.0	1
71	All-dielectric Mie-resonant metaphotonics. , 2021, , .		0
72	Transformational and Secure Metasurfaces. Chemical Reviews, 2021, 121, 13011-13012.	47.7	3

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73	Polarization Switching Between Electric and Magnetic Quasiâ€Trapped Modes in Bianisotropic Allâ€Dielectric Metasurfaces. Laser and Photonics Reviews, 2021, 15, .	8.7	18
74	The science of harnessing lightâ€™s darkness. Nanophotonics, 2021, 10, 4171-4173.	6.0	2
75	High-Q Localized States in Finite Arrays of Subwavelength Resonators. ACS Photonics, 2021, 8, 3627-3632.	6.6	17
76	Dielectric metasurfaces with asymmetric generation of nonlinear images. , 2021, , .		0
77	Mid-infrared cylindrical vector beams enabled by dielectric metasurfaces. APL Materials, 2021, 9, .	5.1	7
78	Topological Photonics on a Small Scale. Small Science, 2021, 1, .	9.9	0
79	Guidedâ€Mode Resonances in Allâ€Dielectric Terahertz Metasurfaces. Advanced Optical Materials, 2020, 8, 1900959.	7.3	43
80	Mieâ€Resonant Membrane Huygens' Metasurfaces. Advanced Functional Materials, 2020, 30, 1906851.	14.9	52
81	Tailoring transmission and reflection with metasurfaces. , 2020, , 145-174.		10
82	Nanostructure-Empowered Efficient Coupling of Light into Optical Fibers at Extraordinarily Large Angles. ACS Photonics, 2020, 7, 2834-2841.	6.6	20
83	Room-temperature lasing from nanophotonic topological cavities. Light: Science and Applications, 2020, 9, 127.	16.6	74
84	Polarizationâ€Sensitive Dielectric Membrane Metasurfaces. Advanced Optical Materials, 2020, 8, 2000555.	7.3	24
85	Metasurfaces with Maximum Chirality Empowered by Bound States in the Continuum. Physical Review Letters, 2020, 125, 093903.	7.8	207
86	Multipolar lasing modes from topological corner states. Nature Communications, 2020, 11, 5758.	12.8	132
87	Non-Huygens invisible metasurfaces. Journal of Physics: Conference Series, 2020, 1461, 012156.	0.4	0
88	Halide Perovskite Metasurfaces: Broadband Antireflection with Halide Perovskite Metasurfaces (Laser) Tj ETQq0 0 0 rgBT /Overlock 10 T	8.7	1
89	Broadband Antireflection with Halide Perovskite Metasurfaces. Laser and Photonics Reviews, 2020, 14, 2000338.	8.7	26
90	Nonlinear Imaging with All-Dielectric Metasurfaces. Nano Letters, 2020, 20, 4370-4376.	9.1	91

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91	Bound States in the Continuum in Anisotropic Plasmonic Metasurfaces. Nano Letters, 2020, 20, 6351-6356.	9.1	212
92	Room-Temperature Lasing from Mie-Resonant Nonplasmonic Nanoparticles. ACS Nano, 2020, 14, 8149-8156.	14.6	105
93	Quasi-BIC Resonant Enhancement of Second-Harmonic Generation in WS₂ Monolayers. Nano Letters, 2020, 20, 5309-5314.	9.1	156
94	Stimulated Raman Scattering from Mie-Resonant Subwavelength Nanoparticles. Nano Letters, 2020, 20, 5786-5791.	9.1	22
95	Nonlinear topological photonics. Applied Physics Reviews, 2020, 7, .	11.3	344
96	Magnetic Dipole Ordering in Resonant Dielectric Metasurfaces. Physical Review Applied, 2020, 13, .	3.8	14
97	Nonlinear optics with resonant metasurfaces. MRS Bulletin, 2020, 45, 210-220.	3.5	59
98	Photon-Mediated Localization in Two-Level Qubit Arrays. Physical Review Letters, 2020, 124, 093604.	7.8	30
99	Ultrafast control of vortex microlasers. Science, 2020, 367, 1018-1021.	12.6	457
100	Subwavelength dielectric resonators for nonlinear nanophotonics. Science, 2020, 367, 288-292.	12.6	575
101	Inverse design of higher-order photonic topological insulators. Physical Review Research, 2020, 2, .	3.6	42
102	Topological pumping assisted by Bloch oscillations. Physical Review Research, 2020, 2, .	3.6	13
103	Radiative topological biphoton states in modulated qubit arrays. Physical Review Research, 2020, 2, .	3.6	13
104	Topological states in disordered arrays of dielectric nanoparticles. Physical Review Research, 2020, 2, .	3.6	9
105	High-Harmonic Generation in Dielectric Metasurfaces Empowered by Bound States in the Continuum. , 2020, , .		5
106	Engineering with Bound States in the Continuum. Optics and Photonics News, 2020, 31, 38.	0.5	79
107	Topological nanophotonics for photoluminescence control. Nanophotonics, 2020, 10, 435-441.	6.0	16
108	All-dielectric Mie-resonant metaphotonics. Comptes Rendus Physique, 2020, 21, 425-442.	0.9	9

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109	Second-Harmonic Generation from WS2 Monolayers Enhanced by BIC Resonances. , 2020, , .		0
110	Nonlinear and topological metaphotonics. , 2020, , .		0
111	Recent advances in Mie-resonant metaphotonics. , 2020, , .		0
112	Observation of Quasi-BIC Modes and Fano Resonances in Individual Subwavelength Dielectric Resonators. , 2020, , .		0
113	Ultrafast Control of Microlasers. Optics and Photonics News, 2020, 31, 36.	0.5	2
114	Observation of Supercavity Modes in Individual Subwavelength Dielectric Resonators. , 2020, , .		0
115	Efficient High-order Optical Harmonics Generation from Resonant Semiconductor Metasurfaces Supporting Bound States in the Continuum. , 2020, , .		0
116	Observation of nonlinear topological corner states. , 2020, , .		0
117	Fano resonances in individual AlGaAs nanoparticles driven by quasi-BIC modes. , 2020, , .		0
118	MoS2 monolayer coupled to a multi-resonant dielectric metasurface exhibiting enhanced second-harmonic generation. , 2020, , .		0
119	Membrane Metasurfaces. , 2020, , .		0
120	Observation of Extraordinary SHG from WS2 Monolayers Boosted by Optical Bound States in the Continuum. , 2020, , .		0
121	Room-Temperature Lasing from Topological Cavities. , 2020, , .		0
122	Tunable Mie-resonant dielectric metasurfaces based on VO2 phase-change materials. , 2020, , .		0
123	Bound States in the Continuum for Enhanced Generation of High Optical Harmonics. , 2020, , .		1
124	Optically-induced antiferromagnetic order in Mie-resonant dielectric metasurfaces. , 2020, , .		0
125	Nonlinear optics with nanoscale topological corner states. , 2020, , .		0
126	Metasurface Engineering through Bound States in the Continuum. Physical Review Applied, 2019, 12, .	3.8	157

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127	Tailored Nonlinear Anisotropy in Mieâ€Resonant Dielectric Oligomers. Advanced Optical Materials, 2019, 7, 1900447.	7.3	18
128	Allâ€Dielectric Active Terahertz Photonics Driven by Bound States in the Continuum. Advanced Materials, 2019, 31, e1901921.	21.0	210
129	Nonlinear Metasurfaces Governed by Bound States in the Continuum. ACS Photonics, 2019, 6, 1639-1644.	6.6	286
130	Disorder-Immune Photonics Based on Mie-Resonant Dielectric Metamaterials. Physical Review Letters, 2019, 123, 163901.	7.8	27
131	Localized edge modes in discrete photonic and phononic systems (Review article). Low Temperature Physics, 2019, 45, 1026-1031.	0.6	4
132	Light trapping gets a boost. Nature, 2019, 574, 491-492.	27.8	17
133	Topological Edge States and Gap Solitons in the Nonlinear Dirac Model. Laser and Photonics Reviews, 2019, 13, 1900223.	8.7	56
134	High-Q states in subwavelength dielectric resonators forming in strong mode coupling regime. , 2019, , .		0
135	Halide-Perovskite Nanophotonics: Halide-Perovskite Resonant Nanophotonics (Advanced Optical) Tj ETQq1 1 0.784314 rgBT /Overloc	7.3	5
136	Nonlinear Mie-Resonant Meta-Optics and Metasurfaces. , 2019, , .		0
137	Third-Harmonic Generation in Photonic Topological Metasurfaces. Physical Review Letters, 2019, 123, 103901.	7.8	144
138	Multipolar origin of bound states in the continuum. Physical Review B, 2019, 100, .	3.2	168
139	Active meta-optics and nanophotonics with halide perovskites. Applied Physics Reviews, 2019, 6, 031307.	11.3	68
140	Optical Anapoles: Concepts and Applications. Advanced Optical Materials, 2019, 7, 1801350.	7.3	186
141	Near-field imaging of spin-locked edge states in all-dielectric topological metasurfaces. Applied Physics Letters, 2019, 114, .	3.3	41
142	Multipole analysis of dielectric metasurfaces composed of nonspherical nanoparticles and lattice invisibility effect. Physical Review B, 2019, 99, .	3.2	126
143	Angle-multiplexed all-dielectric metasurfaces for broadband molecular fingerprint retrieval. Science Advances, 2019, 5, eaaw2871.	10.3	294
144	Transverse Scattering and Generalized Kerker Effects in All-Dielectric Mie-Resonant Metaoptics. Physical Review Letters, 2019, 122, 193905.	7.8	152

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145	Transition from photonic crystals to dielectric metamaterials. Semiconductors and Semimetals, 2019, 100, 13-43.	0.7	1
146	All-Dielectric Resonant Meta-Optics Lightens up. ACS Photonics, 2019, 6, 802-814.	6.6	137
147	Tailoring Photoluminescence from MoS₂ Monolayers by Mie-Resonant Metasurfaces. ACS Photonics, 2019, 6, 1002-1009.	6.6	82
148	Single-Mode Lasing from Imprinted Halide-Perovskite Microdisks. ACS Nano, 2019, 13, 4140-4147.	14.6	134
149	Enhanced absorption in all-dielectric metasurfaces due to magnetic dipole excitation. Scientific Reports, 2019, 9, 3438.	3.3	51
150	Dielectric Broadband Metasurfaces for Fiber Modeâ€Multiplexed Communications. Advanced Optical Materials, 2019, 7, 1801679.	7.3	20
151	Nonradiating photonics with resonant dielectric nanostructures. Nanophotonics, 2019, 8, 725-745.	6.0	310
152	Ultrasensitive hyperspectral imaging and biodetection enabled by dielectric metasurfaces. Nature Photonics, 2019, 13, 390-396.	31.4	546
153	Non-Huygens Invisible Metasurfaces. , 2019, , .		1
154	All-Dielectric High-Q Metasurfaces for Infrared Absorption Spectroscopy Applications. , 2019, , .		0
155	Inelastic Scattering of Photon Pairs in Qubit Arrays with Subradiant States. Physical Review Letters, 2019, 123, 253601.	7.8	54
156	Topological Edge States: Topological Edge States and Gap Solitons in the Nonlinear Dirac Model (Laser Photonics Rev. 13(12)/2019). Laser and Photonics Reviews, 2019, 13, 1970053.	8.7	2
157	Halideâ€Perovskite Resonant Nanophotonics. Advanced Optical Materials, 2019, 7, 1800784.	7.3	146
158	Experimental Observation of Toroidal Dipole Modes in Allâ€Dielectric Metasurfaces. Advanced Optical Materials, 2019, 7, 1801166.	7.3	71
159	Nonlinear light generation in topological nanostructures. Nature Nanotechnology, 2019, 14, 126-130.	31.5	187
160	Reshaping the Second-Order Polar Response of Hybrid Metalâ€“Dielectric Nanodimers. Nano Letters, 2019, 19, 877-884.	9.1	28
161	Manipulation of Magnetic Dipole Emission from Eu³⁺ with Mie-Resonant Dielectric Metasurfaces. Nano Letters, 2019, 19, 1015-1022.	9.1	85
162	Meta-optics and bound states in the continuum. Science Bulletin, 2019, 64, 836-842.	9.0	325

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163	Transparency and perfect absorption of all-dielectric resonant metasurfaces governed by the transverse Kerker effect. Physical Review Materials, 2019, 3, .	2.4	40
164	High-harmonic generation at the nanoscale boosted by bound states in the continuum. Physical Review Research, 2019, 1, .	3.6	95
165	Bound states in the continuum and Fano resonances in the strong mode coupling regime. Advanced Photonics, 2019, 1, 1.	11.8	247
166	Boosting Second-Harmonic Generation in Nonlinear Metasurfaces with Bound States in the Continuum. , 2019, , .		2
167	Enhanced Circular Dichroism and Chiral Sensing with Bound States in the Continuum. , 2019, , .		4
168	Disorder-Robust Nonlinear Light Generation in Topological Nanostructures. , 2019, , .		1
169	All-dielectric Metasurfaces for Infrared Absorption Spectroscopy Applications. , 2019, , .		1
170	Photosensitive chalcogenide metasurfaces supporting bound states in the continuum. Optics Express, 2019, 27, 33847.	3.4	39
171	Nonlinear Mie-resonant Meta-optics and Nanophotonics. , 2019, , .		0
172	Nanophotonic Biosensors: from Plasmonic to Dielectric Metasurfaces. , 2019, , .		1
173	Structured Light for Second-Harmonic Spectroscopy in Mie-Resonant AlGaAs Nanoparticles. , 2019, , .		0
174	Metal-Dielectric Nanodimers with Hybridized Resonances Probed by Second-Harmonic Polarization. , 2019, , .		0
175	Nonlinear and topological meta-optics and metasurfaces. , 2019, , .		0
176	Observation of Extraordinary SHG from All-Dielectric Nanoantennas Governed by Bound States in the Continuum. , 2019, , .		1
177	Nonlinear Imaging of Topological Edge States in Dielectric Metasurfaces. , 2019, , .		0
178	Dielectric Membrane Mie-Resonant Metasurfaces. , 2019, , .		0
179	Disorder-Immune Photonics Based on Mie-Resonant Dielectric Metamaterials. , 2019, , .		2
180	Nonlinear dielectric metalenses: imaging and higher-order correlations. , 2019, , .		0

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181	Transmission and reflection features of all-dielectrics metasurfaces with electric and magnetic resonances. , 2019, , .		0
182	Second-harmonic spectroscopy with structured beams and the observation of quasi-BIC modes in all-dielectric nanoresonators. , 2019, , .		0
183	A comparative analysis of surface and bulk contributions to second-harmonic generation in centrosymmetric nanoparticles. Scientific Reports, 2018, 8, 3586.	3.3	32
184	All-dielectric meta-optics and non-linear nanophotonics. National Science Review, 2018, 5, 144-158.	9.5	173
185	Directional and Spectral Shaping of Light Emission with Mie-Resonant Silicon Nanoantenna Arrays. ACS Photonics, 2018, 5, 1359-1364.	6.6	88
186	Dynamic Beam Switching by Liquid Crystal Tunable Dielectric Metasurfaces. ACS Photonics, 2018, 5, 1742-1748.	6.6	248
187	Locally Enhanced Image Quality with Tunable Hybrid Metasurfaces. Physical Review Applied, 2018, 9, .	3.8	40
188	Light-Emitting Halide Perovskite Nanoantennas. Nano Letters, 2018, 18, 1185-1190.	9.1	132
189	Coexistence of collapse and stable spatiotemporal solitons in multimode fibers. Physical Review A, 2018, 97, .	2.5	30
190	Band-gap structure and chiral discrete solitons in optical lattices with artificial gauge fields. Annals of Physics, 2018, 388, 173-185.	2.8	7
191	Multipolar second-harmonic generation by Mie-resonant dielectric nanoparticles. Physical Review A, 2018, 97, .	2.5	53
192	Active Tuning of Spontaneous Emission by Mie-Resonant Dielectric Metasurfaces. Nano Letters, 2018, 18, 3461-3465.	9.1	111
193	All-Dielectric Resonant Metasurfaces with a Strong Toroidal Response. ACS Photonics, 2018, 5, 1871-1876.	6.6	132
194	Nanoscale Generation of White Light for Ultrabroadband Nanospectroscopy. Nano Letters, 2018, 18, 535-539.	9.1	52
195	Selective Third-Harmonic Generation by Structured Light in Mie-Resonant Nanoparticles. ACS Photonics, 2018, 5, 728-733.	6.6	87
196	Correction to â€œFunctional Meta-Optics and Nanophotonics Govern by Mie Resonancesâ€• ACS Photonics, 2018, 5, 670-670.	6.6	1
197	Experimental Realization of Three-Dimensional All-Dielectric Photonic Topological Insulators. , 2018, , .		1
198	Asymmetric Metasurfaces with High- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math> Resonances Governed by Bound States in the Continuum. Physical Review Letters, 2018, 121, 193903.	7.8	983

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199	Toward Silicon-Based Metamaterials. ACS Photonics, 2018, 5, 4751-4757.	6.6	15
200	Noninterleaved Metasurface for (2⁶-1) Spin- and Wavelength-Encoded Holograms. Nano Letters, 2018, 18, 8016-8024.	9.1	187
201	Non-Hermitian Optical Waveguide Couplers. Springer Tracts in Modern Physics, 2018, , 277-300.	0.1	0
202	Efficient Excitation of a Toroidal Dipole Mode in All-Dielectric Quadrumer Clusters. , 2018, , .		0
203	Perovskite Nanostructures and Metasurfaces Enhanced by Mie Resonances. , 2018, , .		0
204	Quantum metasurface for multiphoton interference and state reconstruction. Science, 2018, 361, 1104-1108.	12.6	227
205	Electric-current-induced unidirectional propagation of surface plasmon-polaritons. Optics Letters, 2018, 43, 963.	3.3	75
206	Near-Field Coupling Effects in Mie-Resonant Photonic Structures and All-Dielectric Metasurfaces. ACS Photonics, 2018, 5, 2888-2894.	6.6	48
207	Special Issue on â€œUltra-capacity Metasurfaces with Low Dimension and High Efficiencyâ€• ACS Photonics, 2018, 5, 1640-1642.	6.6	10
208	Energy localization, Fano resonances, and nonlinear meta-optics. Low Temperature Physics, 2018, 44, 726-732.	0.6	3
209	Topological Floquet edge states in periodically curved waveguides. Physical Review A, 2018, 98, .	2.5	19
210	Generalized Kerker effects in nanophotonics and meta-optics [Invited]. Optics Express, 2018, 26, 13085.	3.4	298
211	Tunable Hybrid Fano Resonances in Halide Perovskite Nanoparticles. Nano Letters, 2018, 18, 5522-5529.	9.1	94
212	Disorder-free weak dynamic localization in deformable lattices. Journal of Physics Condensed Matter, 2018, 30, 375602.	1.8	0
213	Giant Nonlinear Response at the Nanoscale Driven by Bound States in the Continuum. Physical Review Letters, 2018, 121, 033903.	7.8	284
214	Nonlinear Wavefront Control with All-Dielectric Metasurfaces. Nano Letters, 2018, 18, 3978-3984.	9.1	180
215	Strong Mode Coupling and High-Q Supercavity Modes in Subwavelength Dielectric Resonators. , 2018, , .		0
216	Nonlinear nanophotonics and bound states in the continuum. , 2018, , .		1

#	Article	IF	Citations
217	Imaging-based molecular barcoding with pixelated dielectric metasurfaces. Science, 2018, 360, 1105-1109.	12.6	726
218	Transparent Dielectric Metasurfaces for Spatial Mode Multiplexing. Laser and Photonics Reviews, 2018, 12, 1800031.	8.7	37
219	Engineering scattering patterns with asymmetric dielectric nanorods. Optics Express, 2018, 26, 32624.	3.4	14
220	Nonlinear Unidirectional Topological States in Zigzag Arrays of Bianisotropic Dielectric Nanoparticles. , 2018, , .		0
221	Dielectric Metasurfaces for Optical Communications and Spatial Division Multiplexing. , 2018, , .		2
222	Active high-Q dielectric terahertz supercavities. , 2018, , .		0
223	Sum-Frequency- and Photon-Pair-Generation in AlGaAs Nano-Disks. , 2018, , .		1
224	Nonlinear Dielectric Metasurfaces for Wavefront Control. , 2018, , .		0
225	Structured Light for Selective Third-Harmonic Generation in Subwavelength Resonators. , 2018, , .		0
226	Shaping the third-harmonic radiation from silicon nanodimers. Nanoscale, 2017, 9, 2201-2206.	5.6	50
227	Supercavity lasing. Nature, 2017, 541, 164-165.	27.8	130
228	Edge States and Topological Phase Transitions in Chains of Dielectric Nanoparticles. Small, 2017, 13, 1603190.	10.0	77
229	New horizons for nanophotonics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160380.	3.4	3
230	Plasmonic Resonators: Hybrid Plasmonic Cavity Modes in Arrays of Gold Nanotubes (Advanced Optical) Tj ETQq0 0 0 rgBT /Overlock 10	7.3	1
231	Electrically tunable all-dielectric optical metasurfaces based on liquid crystals. Applied Physics Letters, 2017, 110, .	3.3	221
232	Suppression of scattering for small dielectric particles: anapole mode and invisibility. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160069.	3.4	65
233	Refractive index sensing with Fano resonances in silicon oligomers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160070.	3.4	20
234	Third-harmonic generation from Mie-type resonances of isolated all-dielectric nanoparticles. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160281.	3.4	34

#	Article	IF	Citations
235	Multipolar interference effects in nanophotonics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160317.	3.4	81
236	Engineering complex nanolasers: from spaser quantum information sources to near-field anapole lasers. Proceedings of SPIE, 2017, , .	0.8	0
237	Multifold Emission Enhancement in Nanoimprinted Hybrid Perovskite Metasurfaces. ACS Photonics, 2017, 4, 728-735.	6.6	131
238	Nonlinear Symmetry Breaking in Symmetric Oligomers. ACS Photonics, 2017, 4, 454-461.	6.6	32
239	Antiferromagnetic order in hybrid electromagnetic metamaterials. New Journal of Physics, 2017, 19, 083013.	2.9	19
240	Efficient Second-Harmonic Generation in Nanocrystalline Silicon Nanoparticles. Nano Letters, 2017, 17, 3047-3053.	9.1	150
241	Nonlinear Optical Magnetism Revealed by Second-Harmonic Generation in Nanoantennas. Nano Letters, 2017, 17, 3914-3918.	9.1	100
242	Hybrid metal-dielectric nanostructures for advanced light-field manipulation (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (		0
243	Tunable spin-directional coupling for surface localized waves with anisotropic metasurface. Proceedings of SPIE, 2017, , .	0.8	1
244	Anapole nanolasers for mode-locking and ultrafast pulse generation. Nature Communications, 2017, 8, 15535.	12.8	184
245	Anisotropy enables unusual waves. Nature Photonics, 2017, 11, 212-214.	31.4	11
246	Topology-driven nonlinear switching in MÃ¶bius discrete arrays. Physical Review A, 2017, 95, .	2.5	6
247	Giant field enhancement in high-index dielectric subwavelength particles. Scientific Reports, 2017, 7, 731.	3.3	44
248	Highly sensitive biosensors based on all-dielectric nanoresonators. Nanoscale, 2017, 9, 4972-4980.	5.6	129
249	Three-dimensional all-dielectric photonic topological insulator. Nature Photonics, 2017, 11, 130-136.	31.4	257
250	Polarizationâ€induced Chirality in Metamaterials via Optomechanical Interaction. Advanced Optical Materials, 2017, 5, 1600760.	7.3	36
251	Classical and exotic magnetism: Recent advances and perspectives. Low Temperature Physics, 2017, 43, 895-900.	0.6	5
252	Functional Meta-Optics and Nanophotonics Governed by Mie Resonances. ACS Photonics, 2017, 4, 2638-2649.	6.6	467

#	Article	IF	Citations
253	Near-field analysis of the anapole states in high-index particles. AIP Conference Proceedings, 2017, , .	0.4	0
254	Spatial localization and thermal rectification in inhomogeneously deformed lattices. Physical Review B, 2017, 96, .	3.2	9
255	Angle-selective all-dielectric Huygensâ€™ metasurfaces. Journal Physics D: Applied Physics, 2017, 50, 434002.	2.8	48
256	Lightâ€Induced Tuning and Reconfiguration of Nanophotonic Structures. Laser and Photonics Reviews, 2017, 11, 1700108.	8.7	158
257	Fano resonances in photonics. Nature Photonics, 2017, 11, 543-554.	31.4	1,240
258	Magneto-Optical Response Enhanced by Mie Resonances in Nanoantennas. ACS Photonics, 2017, 4, 2390-2395.	6.6	76
259	Guided modes in non-Hermitian optical waveguides. Physical Review A, 2017, 96, .	2.5	13
260	Tunable hybrid metasurfaces for MRI applications. AIP Conference Proceedings, 2017, , .	0.4	3
261	Highâ€“bit rate ultra-compact light routing with mode-selective on-chip nanoantennas. Science Advances, 2017, 3, e1700007.	10.3	64
262	Reversible Thermal Tuning of Allâ€Dielectric Metasurfaces. Advanced Functional Materials, 2017, 27, 1700580.	14.9	146
263	Enhanced Second-Harmonic Generation from Sequential Capillarity-Assisted Particle Assembly of Hybrid Nanodimers. Nano Letters, 2017, 17, 5381-5388.	9.1	70
264	Enhanced Directional Emission from Monolayer WSe₂ Integrated onto a Multiresonant Silicon-Based Photonic Structure. ACS Photonics, 2017, 4, 3031-3038.	6.6	38
265	Nonlinear Anisotropic Dielectric Metasurfaces for Ultrafast Nanophotonics. ACS Photonics, 2017, 4, 2129-2136.	6.6	70
266	Multipolar response of nonspherical silicon nanoparticles in the visible and near-infrared spectral ranges. Physical Review B, 2017, 96, .	3.2	134
267	High- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math> Supercavity Modes in Subwavelength Dielectric Resonators. Physical Review Letters, 2017, 119, 243901.	7.8	474
268	Phononic Fano resonances in graphene nanoribbons with local defects. Scientific Reports, 2017, 7, 4668.	3.3	8
269	Multimode directionality in all-dielectric metasurfaces. Physical Review B, 2017, 95, .	3.2	106
270	Switchable invisibility of dielectric resonators. Physical Review B, 2017, 95, .	3.2	16

#	Article	IF	Citations
271	Multiparticle Wannier states and Thouless pumping of interacting bosons. Physical Review A, 2017, 95, .	2.5	44
272	Hybrid anapole modes of high-index dielectric nanoparticles. Physical Review A, 2017, 95, .	2.5	111
273	Hybrid Plasmonic Cavity Modes in Arrays of Gold Nanotubes. Advanced Optical Materials, 2017, 5, 1600731.	7.3	15
274	All-dielectric bianisotropic and multimode unidirectional microwave metasurfaces. , 2017, , .		1
275	Magneto-optical effects from nanoparticles enhanced by Mie resonances. , 2017, , .		0
276	Photonic topological edge states in metallic and all-dielectric structures. , 2017, , .		0
277	Tunable hybrid metasurfaces for image quality enhancement. , 2017, , .		0
278	Phase transitions in multiband periodic all-dielectric photonic structures. , 2017, , .		0
279	Highest efficiency grayscale all-dielectric meta-holograms. , 2017, , .		0
280	Spatial and spectral tailoring of visible light emission with mie resonances in silicon nanoantenna arrays. , 2017, , .		0
281	Enhanced electric and magnetic response of a THz sub-wavelength fiber excited by a localized source. , 2017, , .		1
282	Nonlinear mirror with all-dielectric metasurface. , 2017, , .		2
283	Ultrafast pulse generation in integrated arrays of anapole nanolasers. , 2017, , .		2
284	Nanocrystalline resonant silicon nanoparticle for highly efficient second harmonic generation. , 2017, , .		0
285	Resonant forward scattering of light by high-refractive-index dielectric nanoparticles with toroidal dipole contribution. Optics Letters, 2017, 42, 835.	3.3	77
286	Reflection compensation mediated by electric and magnetic resonances of all-dielectric metasurfaces [Invited]. Journal of the Optical Society of America B: Optical Physics, 2017, 34, D18.	2.1	62
287	Meta-Optics with Mie Resonances. Optics and Photonics News, 2017, 28, 24.	0.5	154
288	Sum-frequency generation and photon-pair creation in AlGaAs nano-disks. , 2017, , .		1

#	Article	IF	Citations
289	Emission enhancement from MoS₂ monolayers with silicon nanoantennas. , 2017, , .		0
290	Quantum polarization tomography with all-dielectric metasurfaces. , 2017, , .		0
291	Sum-Frequency Generation and Photon-Pair Creation in AlGaAs Nano-Scale Resonators. , 2017, , .		5
292	Solitons in ${mathscr{P}}{mathscr{T}}$-symmetric ladders of optical waveguides. New Journal of Physics, 2017, 19, 113032.	2.9	19
293	Quantum imaging with dielectric metasurfaces for multi-photon polarization tomography. , 2017, , .		2
294	Third-Harmonic Generation from Photonic Topological States in Zigzag Arrays of Silicon Nanodisks. , 2017, , .		2
295	Magnetic field concentration with coaxial silicon nanocylinders in the optical spectral range. Journal of the Optical Society of America B: Optical Physics, 2017, 34, D36.	2.1	43
296	Magnetic vs Electric Second-Harmonic Generation from AlGaAs Nanoantennas. , 2017, , .		0
297	Comparison of surface and bulk contributions to SHG in meta-atoms made of centrosymmetric materials. , 2017, , .		0
298	Broadband transparent all-dielectric metasurfaces. , 2017, , .		0
299	On-chip Ultrafast Pulse Generator Based on Integrated Near-field Anapole Lasers. , 2017, , .		0
300	Enhanced and directional photoluminescence from doubly-resonant WSe2-Si hybrid structure. , 2017, , .		0
301	Magneto-optics enhanced by Mie resonances. , 2017, , .		0
302	High-Q resonances with low azimuthal indices in all-dielectric high-index nanoparticles. , 2017, , .		0
303	Multipolar nonlinear nanophotonics. Optica, 2016, 3, 1241.	9.3	280
304	Grayscale transparent metasurface holograms. Optica, 2016, 3, 1504.	9.3	290
305	Towards Nanoscale Quantum Information Sources with Spaser Technology. , 2016, , .		0
306	Enhancement of Magnetic Resonance Imaging with Metasurfaces. Advanced Materials, 2016, 28, 1832-1838.	21.0	160

#	Article	IF	Citations
307	Enhanced photonic spin Hall effect with subwavelength topological edge states. Laser and Photonics Reviews, 2016, 10, 656-664.	8.7	44
308	Electrical tuning of all dielectric metasurfaces. , 2016, , .		1
309	Solitary waves in chains of silicon nanoparticles. , 2016, , .		0
310	Purcell effect and Lamb shift as interference phenomena. Scientific Reports, 2016, 6, 20599.	3.3	38
311	Experimental realisation of all-dielectric bianisotropic metasurfaces. Applied Physics Letters, 2016, 108, .	3.3	46
312	Demonstration of the enhanced Purcell factor in all-dielectric structures. Applied Physics Letters, 2016, 108, .	3.3	62
313	Substrate-mediated antireflective properties of silicon nanoparticle array. , 2016, , .		0
314	Third harmonic generation in isolated all dielectric meta-atoms (Conference Presentation). , 2016, , .		0
315	Invited Article: Broadband highly efficient dielectric metadevices for polarization control. APL Photonics, 2016, 1, .	5.7	320
316	SPASER as a complex system: femtosecond dynamics traced by ab-initio simulations. , 2016, , .		1
317	Multipolar Third-Harmonic Generation Driven by Optically Induced Magnetic Resonances. ACS Photonics, 2016, 3, 1468-1476.	6.6	89
318	Multipolar Coupling in Hybrid Metalâ€“Dielectric Metasurfaces. ACS Photonics, 2016, 3, 349-353.	6.6	79
319	Resonant Raman scattering from silicon nanoparticles enhanced by magnetic response. Nanoscale, 2016, 8, 9721-9726.	5.6	128
320	Metasurfaces: From microwaves to visible. Physics Reports, 2016, 634, 1-72.	25.6	998
321	Fano resonance can make a homogeneous cylinder invisible: theoretical proposal and experimental demonstration. , 2016, , .		0
322	Transition from photonic crystals to dielectric metamaterials: A phase diagram and the order parameter. Proceedings of SPIE, 2016, , .	0.8	1
323	Strong Magnetic Response of Optical Nanofibers. ACS Photonics, 2016, 3, 972-978.	6.6	22
324	Solitary Waves in Chains of High-Index Dielectric Nanoparticles. ACS Photonics, 2016, 3, 1869-1876.	6.6	18

#	Article	IF	Citations
325	Highly-efficient all-dielectric Huygens' surface holograms (Conference Presentation). , 2016, , .		0
326	Polarization control over electric and magnetic dipole resonances of dielectric nanoparticles on metallic films. Laser and Photonics Reviews, 2016, 10, 799-806.	8.7	81
327	Circular dichroism induced by Fano resonances in planar chiral oligomers. Laser and Photonics Reviews, 2016, 10, 137-146.	8.7	85
328	Nonlinear switching and solitons in PTâ€symmetric photonic systems. Laser and Photonics Reviews, 2016, 10, 177-213.	8.7	288
329	Spin control of light with hyperbolic metasurfaces. Physical Review B, 2016, 94, .	3.2	71
330	Special Issue â€œNonlinear and Ultrafast Nanophotonicsâ€• ACS Photonics, 2016, 3, 1333-1335.	6.6	4
331	Non-Hermitian trimers: PT-symmetry versus pseudo-Hermiticity. New Journal of Physics, 2016, 18, 065005.	2.9	33
332	Q-factor enhancement in all-dielectric anisotropic nanoresonators. Physical Review B, 2016, 94, .	3.2	15
333	Near-field coupling and resonant cavity modes in plasmonic nanorod metamaterials. Nanotechnology, 2016, 27, 415708.	2.6	13
334	Nonlocal homogenization for nonlinear metamaterials. Physical Review B, 2016, 93, .	3.2	19
335	Multifold Enhancement of Third-Harmonic Generation in Dielectric Nanoparticles Driven by Magnetic Fano Resonances. Nano Letters, 2016, 16, 4857-4861.	9.1	176
336	Optically resonant dielectric nanostructures. Science, 2016, 354, .	12.6	2,086
337	Topological phase transitions and Thouless pumping of light in photonic waveguide arrays (Laser) Tj ETQq1 1 0.784314 rgBT /Overloc	8.7	2
338	Transition from two-dimensional photonic crystals to dielectric metasurfaces in the optical diffraction with a fine structure. Scientific Reports, 2016, 6, 30773.	3.3	28
339	Nonlinear Generation of Vector Beams From AlGaAs Nanoantennas. Nano Letters, 2016, 16, 7191-7197.	9.1	237
340	Experimental demonstration of topological effects in bianisotropic metamaterials. Scientific Reports, 2016, 6, 22270.	3.3	73
341	Topological phase transitions and Thouless pumping of light in photonic waveguide arrays. Laser and Photonics Reviews, 2016, 10, 995-1001.	8.7	71
342	Manipulation of photoluminescence of two-dimensional MoSe2 by gold nanoantennas. Scientific Reports, 2016, 6, 22296.	3.3	75

#	Article	IF	Citations
343	Magnetic hyperbolic optical metamaterials. Nature Communications, 2016, 7, 11329.	12.8	113
344	Metasurfaces provide a new way for building magnetic resonance imaging scanners. , 2016, , .		1
345	Energy equipartition and unidirectional emission in a spaser nanolaser. Laser and Photonics Reviews, 2016, 10, 432-440.	8.7	28
346	Optimization of Biased PT-Symmetric Plasmonic Directional Couplers. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 60-66.	2.9	4
347	Multipolar Third-Harmonic Generation in Fishnet Metamaterials. ACS Photonics, 2016, 3, 1494-1499.	6.6	20
348	Metasurfaces: Enhancement of Magnetic Resonance Imaging with Metasurfaces (Adv. Mater. 9/2016). Advanced Materials, 2016, 28, 1831-1831.	21.0	2
349	Trapping and Guiding Surface Plasmons in Curved Graphene Landscapes. ACS Photonics, 2016, 3, 875-880.	6.6	34
350	Polarisation-independent enhanced scattering by tailoring asymmetric plasmonic systems. Nanoscale, 2016, 8, 6021-6027.	5.6	7
351	Efficient Polarization-Insensitive Complex Wavefront Control Using Huygensâ€™ Metasurfaces Based on Dielectric Resonant Meta-atoms. ACS Photonics, 2016, 3, 514-519.	6.6	229
352	Enhanced third-harmonic generation in silicon oligomers driven by magnetic Fano resonance. , 2016, , .		0
353	Multipolar Analysis of the Third Harmonic Radiation Pattern from Fishnet Metamaterials. , 2016, , .		0
354	Photon-pair generation and sum-frequency conversion in nonlinear dielectric nanoresonators. , 2016, , .		0
355	Highly-Efficient Polarization-Insensitive Holograms Based on Dielectric Metasurfaces. , 2016, , .		0
356	Multipolar Origin of the Third Harmonic Generation from Fishnet Metamaterials. , 2016, , .		0
357	Near-Field Nanolasers based on Nonradiating Anapole Modes. , 2016, , .		0
358	Nonlinear Beam Shaping with Si Nanodisks. , 2016, , .		0
359	Ultra-compact Polarization Demultiplexing by a Plasmonic Nanoantenna on a Waveguide. , 2016, , .		0
360	Nonlinear emission from dark anapole modes and route to all-dielectric metamaterial near-field lasers. , 2016, , .		0

#	Article	IF	Citations
361	Ultrafast Nonlinearities Driven by Magnetic Response in All-Dielectric Nanostructures. , 2016, , .		0
362	Quantum-classical correspondence for photon-pair generation in nonlinear dielectric nano-resonators. , 2016, , .		0
363	Ultra-sensitive biosensing with dielectric nanoantennas. , 2016, , .		0
364	Photonic topological Chern insulators based on Tellegen metacrystals. New Journal of Physics, 2015, 17, 125015.	2.9	28
365	Nonlinear Physics Down Under. Asia-Pacific Physics Newsletter, 2015, 04, 58-60.	0.0	0
366	Resonant transmission of light in chains of high-index dielectric particles. Physical Review B, 2015, 92, .	3.2	22
367	Tunable nonlinear graphene metasurfaces. Physical Review B, 2015, 92, .	3.2	57
368	All-dielectric reciprocal bianisotropic nanoparticles. Physical Review B, 2015, 92, .	3.2	79
369	Optical Metacages. Physical Review Letters, 2015, 115, 215501.	7.8	19
370	Polarization properties of optical metasurfaces of different symmetries. Physical Review B, 2015, 91, .	3.2	27
371	Anomalous polarization conversion in arrays of ultrathin ferromagnetic nanowires. Physical Review B, 2015, 92, .	3.2	8
372	An antenna model for the Purcell effect. Scientific Reports, 2015, 5, 12956.	3.3	160
373	Geometric interpretations for resonances of plasmonic nanoparticles. Scientific Reports, 2015, 5, 12148.	3.3	25
374	Water: Promising Opportunities For Tunable All-dielectric Electromagnetic Metamaterials. Scientific Reports, 2015, 5, 13535.	3.3	176
375	Band Structure of Photonic Crystals Fabricated by Two-Photon Polymerization. Crystals, 2015, 5, 61-73.	2.2	29
376	Enhanced emission extraction and selective excitation of NV centers with allâ€“dielectric nanoantennas. Laser and Photonics Reviews, 2015, 9, 385-391.	8.7	24
377	Fano Resonance Enhanced Nonreciprocal Absorption and Scattering of Light. Photonics, 2015, 2, 745-757.	2.0	7
378	Mapping plasmonic topological states at the nanoscale. Nanoscale, 2015, 7, 11904-11908.	5.6	78

#	Article	IF	Citations
379	Fano nanoantenna for on-chip separation of wavelength-encoded optical signals. , 2015, , .		0
380	Phase diagram for the transition from photonic crystals to dielectric metamaterials. Nature Communications, 2015, 6, 10102.	12.8	122
381	Optical cloaking with ENZ-metamaterials. , 2015, , .		4
382	Direct measurements of magnetic and electric optical responses from silicon nanoparticles. , 2015, , .		0
383	Scattering suppression with homogeneous ENZ-media. , 2015, , .		0
384	New types of surface waves on hyperbolic metasurface. , 2015, , .		1
385	Dipole-fiber systems: radiation field patterns, effective magnetic dipoles, and induced cavity modes. Proceedings of SPIE, 2015, , .	0.8	0
386	Magnetic and Electric Hotspots with Silicon Nanodimers. Nano Letters, 2015, 15, 2137-2142.	9.1	361
387	Highâ€Efficiency Dielectric Huygensâ€™ Surfaces. Advanced Optical Materials, 2015, 3, 813-820.	7.3	1,045
388	Dissipative plasmon solitons in graphene nanodisk arrays. Physical Review B, 2015, 91, .	3.2	25
389	Shaping Photoluminescence Spectra with Magnetoelectric Resonances in All-Dielectric Nanoparticles. ACS Photonics, 2015, 2, 172-177.	6.6	120
390	Nonlinear multicore waveguiding structures with balanced gain and loss. Physical Review A, 2015, 91, .	2.5	23
391	Directional excitation of surface plasmons by dielectric resonators. Physical Review B, 2015, 91, .	3.2	16
392	Active Tuning of All-Dielectric Metasurfaces. ACS Nano, 2015, 9, 4308-4315.	14.6	340
393	Functional and nonlinear optical metasurfaces. Laser and Photonics Reviews, 2015, 9, 195-213.	8.7	403
394	Enhanced Magnetic Second-Harmonic Generation from Resonant Metasurfaces. ACS Photonics, 2015, 2, 1007-1012.	6.6	102
395	Circular dichroism from Fano resonances in planar chiral oligomers. , 2015, , .		2
396	Polarization-Independent Silicon Metadevices for Efficient Optical Wavefront Control. Nano Letters, 2015, 15, 5369-5374.	9.1	344

#	Article	IF	Citations
397	Nonlinear Interference and Tailorable Third-Harmonic Generation from Dielectric Oligomers. ACS Photonics, 2015, 2, 578-582.	6.6	124
398	All-Dielectric Multilayer Cylindrical Structures for Invisibility Cloaking. Scientific Reports, 2015, 5, 9574.	3.3	48
399	Towards all-dielectric metamaterials and nanophotonics. Proceedings of SPIE, 2015, , .	0.8	66
400	Subwavelength Topological Edge States in Optically Resonant Dielectric Structures. Physical Review Letters, 2015, 114, 123901.	7.8	144
401	Probing magnetic and electric optical responses of silicon nanoparticles. Applied Physics Letters, 2015, 106, .	3.3	62
402	Compton-Like Polariton Scattering in Hyperbolic Metamaterials. Physical Review Letters, 2015, 114, 185501.	7.8	18
403	Interplay of Magnetic Responses in All-Dielectric Oligomers To Realize Magnetic Fano Resonances. ACS Photonics, 2015, 2, 724-729.	6.6	99
404	Scattering suppression from arbitrary objects in spatially dispersive layered metamaterials. Physical Review B, 2015, 91, .	3.2	45
405	Plasmonic Fano Nanoantennas for On-Chip Separation of Wavelength-Encoded Optical Signals. Nano Letters, 2015, 15, 3324-3328.	9.1	64
406	Enhancing Eu^3+ magnetic dipole emission by resonant plasmonic nanostructures. Optics Letters, 2015, 40, 1659.	3.3	61
407	Switching from Visibility to Invisibility via Fano Resonances: Theory and Experiment. Scientific Reports, 2015, 5, 8774.	3.3	98
408	Ultrafast All-Optical Switching with Magnetic Resonances in Nonlinear Dielectric Nanostructures. Nano Letters, 2015, 15, 6985-6990.	9.1	362
409	Substrate-Induced Resonant Magnetoelectric Effects for Dielectric Nanoparticles. ACS Photonics, 2015, 2, 1423-1428.	6.6	119
410	Nonlinear Effects Driven by Optically-induced Magnetic Response. , 2015, , .		0
411	Third-Harmonic Generation from Silicon Oligomers and Metasurfaces. , 2015, , .		0
412	Hybrid Metal-Dielectric Nanoantennas for Directional Emission Enhancement. , 2015, , .		1
413	Liquid Crystal Tuning of All-dielectric Metasurfaces. , 2015, , .		1
414	Observation of non-Hermitian degeneracies in a chaotic exciton-polariton billiard. Nature, 2015, 526, 554-558.	27.8	422

#	Article	IF	Citations
415	Superabsorption of light by multilayer nanowires. Nanoscale, 2015, 7, 17658-17663.	5.6	22
416	Enhanced Magnetic Second-Harmonic Generation from Resonant Metasurfaces. , 2015, , .		1
417	Nonradiating anapole modes in dielectric nanoparticles. Nature Communications, 2015, 6, 8069.	12.8	702
418	Femtosecond dynamics of a spaser and unidirectional emission from a perfectly spherical nanoparticle. , 2015, , .		0
419	Metamaterials Tunable with Liquid Crystals. Springer Series in Materials Science, 2015, , 237-253.	0.6	5
420	Plasmonic Fano Nanoantenna for On-chip Wavelength Demultiplexing. , 2015, , .		0
421	All-Dielectric Optical Nanoantennas. , 2014, , .		8
422	Surface Plasmon Polaritons in Complex Settings and Generalized Geometries. Handbook of Surface Science, 2014, 4, 253-278.	0.3	3
423	Photon-spin control of quantum-dot emission with nanoantennas. , 2014, , .		0
424	High-transmittance all-dielectric Huygens' metasurfaces (presentation video). , 2014, , .		0
425	Third-harmonic spectroscopy of all-dielectric oligomers with both electric and magnetic resonances. , 2014, , .		0
426	Spin-Polarized Light Emission from Quantum Dots Coupled to Multipolar Nanoantennas. , 2014, , .		1
427	Classical and Quantum Opto-mechanics with Plasmonics and Metamaterials. , 2014, , .		0
428	Shaping Emission Spectra of Quantum Dots by All-dielectric Metasurfaces. , 2014, , .		0
429	Near-field mapping of Fano resonances in all-dielectric oligomers. Applied Physics Letters, 2014, 104, .	3.3	64
430	Superscattering of light optimized by a genetic algorithm. Applied Physics Letters, 2014, 105, .	3.3	65
431	Second-harmonic generation in subwavelength graphene waveguides. Physical Review B, 2014, 90, .	3.2	23
432	Polarization phenomena in periodic metasurfaces at oblique incidence. , 2014, , .		0

#	Article	IF	Citations
433	Hybrid nanoantennas for directional emission enhancement. Applied Physics Letters, 2014, 105, .	3.3	83
434	Generation of Nonclassical Biphoton States through Cascaded Quantum Walks on a Nonlinear Chip. Physical Review X, 2014, 4, .	8.9	52
435	Electromagnetic tuning of resonant transmission in magnetoelastic metamaterials. Applied Physics Letters, 2014, 104, .	3.3	17
436	Metasurfaces inner symmetries: from square lattices to quasicrystalline layouts (presentation video). Proceedings of SPIE, 2014, , .	0.8	0
437	Fano resonances in high-index dielectric photonic structures. , 2014, , .		2
438	Beyond the Hybridization Effects in Plasmonic Nanoclusters: Diffractionâ€Induced Enhanced Absorption and Scattering. Small, 2014, 10, 576-583.	10.0	30
439	Tunable and nonlinear metamaterials: toward functional metadevices. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2014, 5, 013001.	1.5	5
440	Photonic spin Hall effect in hyperbolic metamaterials for polarization-controlled routing of subwavelength modes. Nature Communications, 2014, 5, 3226.	12.8	229
441	Phase sensitivity of light dynamics in PT-symmetric couplers. Applied Physics A: Materials Science and Processing, 2014, 115, 443-447.	2.3	5
442	Experimental demonstration of superdirective dielectric antenna. Applied Physics Letters, 2014, 104, .	3.3	47
443	Dissipative plasmonâ€solitons in multilayer graphene. Laser and Photonics Reviews, 2014, 8, 291-296.	8.7	65
444	Observation of Fano Resonances in Allâ€Dielectric Nanoparticle Oligomers. Small, 2014, 10, 1985-1990.	10.0	164
445	Nonlinear Optics Pushed to the Edge. Science, 2014, 344, 483-484.	12.6	25
446	Nonlinear coupled-mode theory for periodic plasmonic waveguides and metamaterials with loss and gain. Optics Letters, 2014, 39, 462.	3.3	37
447	Broadband chiral metamaterials with large optical activity. Physical Review B, 2014, 89, .	3.2	56
448	Topological Majorana States in Zigzag Chains of Plasmonic Nanoparticles. ACS Photonics, 2014, 1, 101-105.	6.6	138
449	Subwavelength waveguides composed of dielectric nanoparticles. Physical Review B, 2014, 89, .	3.2	79
450	Nano-opto-mechanical effects in plasmonic waveguides. Laser and Photonics Reviews, 2014, 8, 131-136.	8.7	42

#	Article	IF	Citations
451	Nonlinear TE-polarized surface polaritons on graphene. Physical Review B, 2014, 89, .	3.2	68
452	Split-ball resonator as a three-dimensional analogue of planar split-rings. Nature Communications, 2014, 5, 3104.	12.8	51
453	Complex modes in plasmonic nonlinear slot waveguides. Journal of Optics (United Kingdom), 2014, 16, 114007.	2.2	12
454	Bending of electromagnetic waves in all-dielectric particle array waveguides. Applied Physics Letters, 2014, 105, .	3.3	41
455	Enhanced Third-Harmonic Generation in Silicon Nanoparticles Driven by Magnetic Response. Nano Letters, 2014, 14, 6488-6492.	9.1	522
456	Spin-Polarized Photon Emission by Resonant Multipolar Nanoantennas. ACS Photonics, 2014, 1, 1218-1223.	6.6	75
457	Plasmonic kinks and walking solitons in nonlinear lattices of metal nanoparticles. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20140010.	3.4	7
458	Dynamics and stability of dark solitons in exciton-polariton condensates. Physical Review B, 2014, 89, .	3.2	102
459	Control of light scattering by nanoparticles with optically-induced magnetic responses. Chinese Physics B, 2014, 23, 047806.	1.4	43
460	Embedded States in the Continuum for â€Symmetric Systems. Studies in Applied Mathematics, 2014, 133, 337-350.	2.4	9
461	Spontaneous chiral symmetry breaking in metamaterials. Nature Communications, 2014, 5, 4441.	12.8	64
462	Second-harmonic generation by a graphene nanoparticle. Physical Review B, 2014, 90, .	3.2	62
463	Magnetic light and all-dielectric nanophotonics. , 2014, , .		0
464	Bidirectional waveguide coupling with plasmonic Fano nanoantennas. Applied Physics Letters, 2014, 105, .	3.3	30
465	Colloquium: Nonlinear metamaterials. Reviews of Modern Physics, 2014, 86, 1093-1123.	45.6	348
466	Magnetoelectric Effects in Local Light-Matter Interactions. Physical Review Letters, 2014, 113, 033601.	7.8	111
467	Near-Field Mapping of Optical Modes on All-Dielectric Silicon Nanodisks. ACS Photonics, 2014, 1, 794-798.	6.6	64
468	Shaping light with metamaterials: From nonlinear response to all-dielectric nanophotonics. , 2014, , .		0

#	Article	IF	Citations
469	Soliton generation in active nonlinear metamaterials. Applied Physics Letters, 2014, 104, 084105.	3.3	27
470	Deeply subwavelength electromagnetic Tamm states in graphene metamaterials. Physical Review B, 2014, 89, .	3.2	32
471	Superdirective dielectric nanoantennas. Nanoscale, 2014, 6, 7354-7361.	5.6	165
472	Selective placement of quantum dots on nanoscale areas of metal-free substrates. Physica Status Solidi - Rapid Research Letters, 2014, 8, 710-713.	2.4	8
473	Airy plasmons: nonâ€diffracting optical surface waves. Laser and Photonics Reviews, 2014, 8, 221-232.	8.7	62
474	Near-field Interference in Optics and RF. , 2014, , .		0
475	Signal manipulation with a PT-symmetric coupler embedded into an array of optical waveguides. Letters on Materials, 2014, 4, 222-225.	0.7	3
476	Apertureless Optical Near-Field Imaging of Localized Modes of Silicon Nanodisks. , 2014, , .		0
477	Bidirectional Wavelength Multiplexing with an Optical Fano Nanoantenna. , 2014, , .		0
478	Nonlinear response via intrinsic rotation in metamaterials. Physical Review B, 2013, 87, .	3.2	36
479	Self-Induced Torque in Hyperbolic Metamaterials. Physical Review Letters, 2013, 111, 036804.	7.8	48
480	Unidirectional soliton flows in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetric potentials. Physical Review A, 2013, 88, .	2.5	35
481	Tailoring Directional Scattering through Magnetic and Electric Resonances in Subwavelength Silicon Nanodisks. ACS Nano, 2013, 7, 7824-7832.	14.6	917
482	Enhanced light trapping with optical nanoantennas for thin-film solar cells. , 2013, , .		0
483	Manipulating polarization of light with ultrathin epsilon-near-zero metamaterials. Optics Express, 2013, 21, 14907.	3.4	119
484	Nonlinear switching with a graphene coupler. Physical Review B, 2013, 88, .	3.2	71
485	Fano resonances in antennas: General control over radiation patterns. Physical Review B, 2013, 88, .	3.2	54
486	Revisiting the physics of Fano resonances for nanoparticle oligomers. Physical Review A, 2013, 88, .	2.5	119

#	Article	IF	Citations
487	Single-mode subwavelength waveguides with wire metamaterials. Applied Physics Letters, 2013, 103, 161103.	3.3	7
488	Polarization Traffic Control for Surface Plasmons. Science, 2013, 340, 283-284.	12.6	54
489	Optical metamaterials with quasicrystalline symmetry: Symmetry-induced optical isotropy. Physical Review B, 2013, 88, .	3.2	32
490	Cavity-enhanced absorption and Fano resonances in graphene nanoribbons. Physical Review B, 2013, 88, .	3.2	9
491	Hyperbolic metamaterials. Nature Photonics, 2013, 7, 948-957.	31.4	1,763
492	Broadband isotropic Î¼-near-zero metamaterials. Applied Physics Letters, 2013, 103, .	3.3	20
493	Dual-channel spontaneous emission of quantum dots in magnetic metamaterials. Nature Communications, 2013, 4, 2949.	12.8	60
494	Plasmonic Nanoclusters with Rotational Symmetry: Polarization-Invariant Far-Field Response vs Changing Near-Field Distribution. ACS Nano, 2013, 7, 11138-11146.	14.6	53
495	All-dielectric nanoantennas. Proceedings of SPIE, 2013, , .	0.8	4
496	Subwavelength solitons and Faraday waves in two-dimensional lattices of metal nanoparticles. Optics Letters, 2013, 38, 2554.	3.3	10
497	Electric and magnetic dipole radiation and Purcell effect in hyperbolic metamaterials. , 2013, , .		1
498	Control of electromagnetic waves in metamaterials: From microwaves to optics. , 2013, , .		1
499	Symmetry properties of metamaterials at oblique incidence. , 2013, , .		1
500	Coupled-mode theory for nonlinear plasmonic structures and metamaterials. , 2013, , .		0
501	Compact Surface Fano States Embedded in the Continuum of Waveguide Arrays. Physical Review Letters, 2013, 111, 240403.	7.8	175
502	Self-induced mode converter. , 2013, , .		0
503	Hyperbolic metamaterials based on multilayer graphene structures. Physical Review B, 2013, 87, .	3.2	267
504	Hybrid Highâ€Resolution Threeâ€Dimensional Nanofabrication for Metamaterials and Nanoplasmonics (Adv. Mater. 9/2013). Advanced Materials, 2013, 25, 1259-1259.	21.0	2

#	Article	IF	Citations
505	Hybrid Highâ€Resolution Threeâ€Dimensional Nanofabrication for Metamaterials and Nanoplasmonics. Advanced Materials, 2013, 25, 1260-1264.	21.0	41
506	Purcell effect in wire metamaterials. Physical Review B, 2013, 87, .	3.2	62
507	Loss compensation in metal-dielectric layered metamaterials. Physical Review B, 2013, 87, .	3.2	44
508	Broadband diamagnetism in anisotropic metamaterials. Physical Review B, 2013, 87, .	3.2	21
509	Publisher's Note: Loss compensation in metal-dielectric layered metamaterials [Phys. Rev. B87, 115139 (2013)]. Physical Review B, 2013, 87, .	3.2	0
510	Pseudo-Parity-Time Symmetry in Optical Systems. Physical Review Letters, 2013, 110, 243902.	7.8	124
511	Flexible Helices for Nonlinear Metamaterials. Advanced Materials, 2013, 25, 3409-3412.	21.0	61
512	Dispersionless optical activity in metamaterials. Applied Physics Letters, 2013, 102, 201121.	3.3	34
513	Optically isotropic responses induced by discrete rotational symmetry of nanoparticle clusters. Nanoscale, 2013, 5, 6395.	5.6	62
514	Optomechanical “nonlinear” light modulation on nano-scales. , 2013, , .		0
515	Publisherâ€™s Note: Hyperbolic metamaterials based on multilayer graphene structures [Phys. Rev. B87, 075416 (2013)]. Physical Review B, 2013, 88, .	3.2	6
516	Localized defect modes in graphene. Physical Review B, 2013, 88, .	3.2	12
517	Circular dichroism of four-wave mixing in nonlinear metamaterials. Physical Review B, 2013, 88, .	3.2	41
518	Self-focusing of femtosecond surface plasmon polaritons. Optics Express, 2013, 21, 1121.	3.4	20
519	Deflection of nematicons through interaction with dielectric particles. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1432.	2.1	18
520	Cloaking and enhanced scattering of core-shell plasmonic nanowires. Optics Express, 2013, 21, 10454.	3.4	63
521	Complex band structure of nanostructured metal-dielectric metamaterials. Optics Express, 2013, 21, 1593.	3.4	35
522	Electro-optical switching by liquid-crystal controlled metasurfaces. Optics Express, 2013, 21, 8879.	3.4	163

#	Article	IF	Citations
523	Broadband light coupling to dielectric slot waveguides with tapered plasmonic nanoantennas. Optics Letters, 2013, 38, 4853.	3.3	7
524	Focus issue: hyperbolic metamaterials. Optics Express, 2013, 21, 14895.	3.4	59
525	Mie scattering as a cascade of Fano resonances. Optics Express, 2013, 21, 30107.	3.4	83
526	Twists and shifts make nonlinear metamaterials. , 2013, , .		0
527	Complex modes of nonlinear plasmonic waveguides. , 2013, , .		1
528	Self-Induced Mode Transformation in Nonlocal Nonlinear Media. Physical Review Letters, 2013, 111, 123902.	7.8	51
529	Scattering of core-shell nanowires with the interference of electric and magnetic resonances. Optics Letters, 2013, 38, 2621.	3.3	75
530	Self-similar parabolic plasmonic beams. Optics Letters, 2013, 38, 428.	3.3	1
531	Enhanced efficiency of light-trapping nanoantenna arrays for thin-film solar cells. Optics Express, 2013, 21, A714.	3.4	50
532	Photon pair generation in nonlinear adiabatic waveguiding structures. , 2013, , .		0
533	Compact Fano states embedded in the continuum of waveguide arrays. , 2013, , .		0
534	Hybrid Fabrication of Tapered Gold Double-Helices for Near-Infrared Frequencies. , 2013, , .		1
535	Merging Magnetic and Electric Resonances for All-Dielectric Nanoantenna Arrays. , 2013, , .		0
536	Tunable and nonlinear fishnet metamaterials based on liquid crystal infiltration. Proceedings of SPIE, 2012, , .	0.8	1
537	Purcell Effect, Surface Modes and Nonlocality in Hyperbolic Metamaterials. , 2012, , .		0
538	Observation of spontaneous parametric down conversion in LiNbO3 waveguide arrays. , 2012, , .		0
539	Nonlinear coupled-mode theory for periodic waveguides and metamaterials with loss and gain. , 2012, , .		1
540	Bloch-mode analysis for effective parameters restoration. , 2012, , .		0

#	Article	IF	Citations
541	Observation of vector solitons with hidden vorticity. Optics Letters, 2012, 37, 767.	3.3	35
542	Nonlocality in PT-symmetric waveguide arrays with gain and loss. Optics Letters, 2012, 37, 2148.	3.3	54
543	Controlling plasmonic hot spots by interfering Airy beams. Optics Letters, 2012, 37, 3402.	3.3	41
544	Magnetic Light: Optical Magnetism of Dielectric Nanoparticles. Optics and Photonics News, 2012, 23, 35.	0.5	15
545	Subwavelength plasmonic kinks in arrays of metallic nanoparticles. Optics Express, 2012, 20, 2733.	3.4	18
546	Nonlinear couplers with tapered plasmonic waveguides. Optics Express, 2012, 20, 9403.	3.4	17
547	Nonlinear control of invisibility cloaking. Optics Express, 2012, 20, 14954.	3.4	22
548	Spatial dispersion of multilayer fishnet metamaterials. Optics Express, 2012, 20, 15100.	3.4	33
549	Photon-pair generation in arrays of cubic nonlinear waveguides. Optics Express, 2012, 20, 27441.	3.4	24
550	Nonreciprocal Anderson localization in magneto-optical random structures. Physical Review B, 2012, 85, .	3.2	19
551	Optical activity and coupling in twisted dimer meta-atoms. Applied Physics Letters, 2012, 100, 111114.	3.3	38
552	Wave scattering on a domain wall in a chain ofPT-symmetric couplers. Physical Review A, 2012, 85, .	2.5	40
553	Nonlinear breatherlike localized modes in C<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>60</mml:mn></mml:msub></mml:math>nanocrystals. Physical Review B, 2012, 85, .	3.2	29
554	Actively tunable bistable optical Yagi-Uda nanoantenna. Optics Express, 2012, 20, 8929.	3.4	58
555	Nanoradar based on nonlinear dimer nanoantenna. Optics Letters, 2012, 37, 3921.	3.3	17
556	Unconventional Fano resonances in light scattering by small particles. Europhysics Letters, 2012, 97, 44005.	2.0	42
557	Scattering of the discrete solitons on the $mathcal {PT}$ -symmetric defects. Europhysics Letters, 2012, 100, 54003.	2.0	23
558	Polarization-independent Fano resonances in one dimensional arrays of core-shell nanospheres. , 2012, , .		0

#	Article	IF	Citations
559	Arrayed Nanoantennas for Efficient Broadband Unidirectional Emission Enhancement. , 2012, , .		1
560	Nonlinear fishnet metamaterials based on liquid crystal infiltration. , 2012, , .		0
561	Discrete breathers in strained graphene. Nonlinear Theory and Its Applications IEICE, 2012, 3, 77-86.	0.6	2
562	Spontaneous knotting of self-trapped waves. Scientific Reports, 2012, 2, 771.	3.3	25
563	Fano Resonances in All-Dielectric Oligomers. Nano Letters, 2012, 12, 6459-6463.	9.1	295
564	Plasmonic nanoantennas for efficient control of polarization-entangled photon pairs. Physical Review A, 2012, 86, .	2.5	24
565	Self-phase modulation and frequency generation with few-cycle optical pulses in nonlinear dispersive media. Physical Review A, 2012, 86, .	2.5	30
566	Surface Bound States in the Continuum. Physical Review Letters, 2012, 108, 070401.	7.8	180
567	Paradoxes in laser heating of plasmonic nanoparticles. New Journal of Physics, 2012, 14, 093022.	2.9	45
568	All-dielectric optical nanoantennas. , 2012, , .		5
569	Breathers in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetric optical couplers. Physical Review A, 2012, 86, .	2.5	105
570	Gain-induced compensation of losses in metal-dielectric metamaterials. , 2012, , .		0
571	Competing nonlinearities with metamaterials. Applied Physics Letters, 2012, 101, 231904.	3.3	16
572	Doubleâ€shell metamaterial coatings for plasmonic cloaking. Physica Status Solidi - Rapid Research Letters, 2012, 6, 46-48.	2.4	28
573	From metamaterials to metadevices. Nature Materials, 2012, 11, 917-924.	27.5	1,769
574	Magnetoelastic metamaterials. Nature Materials, 2012, 11, 30-33.	27.5	229
575	Broadband scattering by tapered nanoantennas. Physica Status Solidi - Rapid Research Letters, 2012, 6, 466-468.	2.4	11
576	Liquid crystal based nonlinear fishnet metamaterials. Applied Physics Letters, 2012, 100, .	3.3	128

#	Article	IF	Citations
577	Knotted Solitons in Nonlinear Magnetic Metamaterials. Physical Review Letters, 2012, 108, 133902.	7.8	21
578	All-dielectric optical nanoantennas. Optics Express, 2012, 20, 20599.	3.4	490
579	Green function for hyperbolic media. Physical Review A, 2012, 86, .	2.5	60
580	Optical Yagi-Uda nanoantennas. Nanophotonics, 2012, 1, 65-81.	6.0	112
581	Transmission and Anderson localization in dispersive metamaterials. Physical Review B, 2012, 85, .	3.2	28
582	Transport of fullerene molecules along graphene nanoribbons. Scientific Reports, 2012, 2, 1012.	3.3	35
583	Light propagation and localization in modulated photonic lattices and waveguides. Physics Reports, 2012, 518, 1-79.	25.6	405
584	Metamaterials Controlled with Light. Physical Review Letters, 2012, 109, 083902.	7.8	105
585	Nonlinear Tamm states in nanostructured plasmonic metamaterials. Physical Review A, 2012, 86, .	2.5	22
586	Tailoring and enhancing spontaneous two-photon emission using resonant plasmonic nanostructures. Physical Review A, 2012, 86, .	2.5	34
587	Microscopic model of Purcell enhancement in hyperbolic metamaterials. Physical Review B, 2012, 86, .	3.2	99
588	Spontaneous Parametric Down-Conversion and Quantum Walks in Arrays of Quadratic Nonlinear Waveguides. Physical Review Letters, 2012, 108, 023601.	7.8	71
589	Hyperbolic transmission-line metamaterials. Journal of Applied Physics, 2012, 112, .	2.5	42
590	Subwavelength plasmonic kinks, solitons, and oscillons in arrays of nonlinear metallic nanoparticles. , 2012, , .		0
591	Ultimate strength, ripples, sound velocities, and density of phonon states of strained graphene. Computational Materials Science, 2012, 53, 194-203.	3.0	40
592	Light-controllable magnetic metamaterials based on loaded split-ring resonators. , 2012, , .		2
593	Inverted Yablonovite-like 3D photonic crystals fabricated by laser nanolithography. Proceedings of SPIE, 2012, , .	0.8	0
594	Polarization-independent Fano resonances in arrays of core-shell nanoparticles. Physical Review B, 2012, 86, .	3.2	47

#	Article	IF	Citations
595	Tuning the nonlinear response of coupled split-ring resonators. Applied Physics Letters, 2012, 100, .	3.3	11
596	Oscillons, solitons and domain walls in arrays of nonlinear plasmonic nanoparticles. Scientific Reports, 2012, 2, 873.	3.3	30
597	Tunable Yagi-Uda-type plasmonic nanoantennas: implications for nanoscale optical sensing. , 2012, , .		2
598	Wide-band negative permeability of nonlinear metamaterials. Scientific Reports, 2012, 2, 1-4.	3.3	1,152
599	Fano interference governs wave transport in disordered systems. Nature Communications, 2012, 3, 914.	12.8	89
600	Azimuthal vortex clusters in Bose-Einstein condensates. Physical Review A, 2012, 85, .	2.5	11
601	Dissipative solitons and vortices in polariton Bose-Einstein condensates. Physical Review A, 2012, 86, .	2.5	70
602	Modeling of hyperbolic metamaterials with two-dimensional transmission lines. , 2012, , .		0
603	Nonlinear Tamm states in layered metalâ€“dielectric metamaterials. Physica Status Solidi - Rapid Research Letters, 2012, 6, 43-45.	2.4	8
604	Optically Induced Interaction of Magnetic Moments in Hybrid Metamaterials. ACS Nano, 2012, 6, 837-842.	14.6	96
605	Effect of nonlinearity on dynamic diffraction and interband coupling in two-dimensional hexagonal photonic lattices. Physical Review A, 2012, 86, .	2.5	2
606	Bloch-mode analysis for retrieving effective parameters of metamaterials. Physical Review B, 2012, 86, .	3.2	53
607	Broadband Unidirectional Scattering by Magneto-Electric Coreâ€“Shell Nanoparticles. ACS Nano, 2012, 6, 5489-5497.	14.6	277
608	Anderson localization in metamaterials and other complex media (Review Article). Low Temperature Physics, 2012, 38, 570-602.	0.6	36
609	Wire Metamaterials: Physics and Applications. Advanced Materials, 2012, 24, 4229-4248.	21.0	330
610	Spectral Approach in the Analysis of Pulsed Terahertz Radiation. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 926-942.	2.2	24
611	Experimental verification of the concept of all-dielectric nanoantennas. Applied Physics Letters, 2012, 100, .	3.3	119
612	Subwavelength Modulational Instability and Plasmon Oscillons in Nanoparticle Arrays. Physical Review Letters, 2012, 108, 093901.	7.8	68

#	Article	IF	Citations
613	Optical solitons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetric nonlinear couplers with gain and loss. Physical Review A, 2012, 85, .	2.5	201
614	Disorder-induced localization of light near edges of nonlinear photonic lattices. Optics Communications, 2012, 285, 352-355.	2.1	3
615	Multifrequency tapered plasmonic nanoantennas. Optics Communications, 2012, 285, 821-824.	2.1	21
616	Spontaneous emission enhancement in metalâ€“dielectric metamaterials. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 185-187.	2.1	97
617	Light-controllable split-ring resonators. , 2012, , .		1
618	Nonlinear switching in tapered plasmonic couplers. , 2011, , .		0
619	Two-dimensional surface waves in modulated photonic lattices. , 2011, , .		0
620	Near-field observation of Airy plasmons. , 2011, , .		0
621	Plasmonic analogue of quantum paddle balls. , 2011, , .		0
622	Electromagnetic wave analogue of an electronic diode. New Journal of Physics, 2011, 13, 033025.	2.9	111
623	Cascaded third harmonic generation in lithium niobate nanowaveguides. Applied Physics Letters, 2011, 98, .	3.3	26
624	Controlling split-ring resonators with light. Applied Physics Letters, 2011, 99, .	3.3	34
625	Laser Pulse Heating of Spherical Metal Particles. Physical Review X, 2011, 1, .	8.9	29
626	Dynamic Diffraction and Interband Transitions in Two-Dimensional Photonic Lattices. Physical Review Letters, 2011, 106, 083902.	7.8	16
627	Metamaterials with conformational nonlinearity. Scientific Reports, 2011, 1, 138.	3.3	49
628	Tunable plasmonic Yagi-Uda nanoantenna. , 2011, , .		0
629	Engineered optical nonlocality in nanostructured metamaterials. Physical Review B, 2011, 84, .	3.2	195
630	Hiding in the corner. Optics Express, 2011, 19, 20827.	3.4	18

#	Article	IF	Citations
631	Dipole azimuthons and vortex charge flipping in nematic liquid crystals. Optics Express, 2011, 19, 21457.	3.4	49
632	Spectral pulse transformations and phase transitions in quadratic nonlinear waveguide arrays. Optics Express, 2011, 19, 23188.	3.4	18
633	Discrete dissipative localized modes in nonlinear magnetic metamaterials. Optics Express, 2011, 19, 26500.	3.4	21
634	Multimode nematicon waveguides. Optics Letters, 2011, 36, 184.	3.3	35
635	Symmetry breaking in plasmonic waveguides with metal nonlinearities. Optics Letters, 2011, 36, 930.	3.3	20
636	Plasmonic Airy beam manipulation in linear optical potentials. Optics Letters, 2011, 36, 1164.	3.3	130
637	Experimental observation of evanescent modes at the interface to slow-light photonic crystal waveguides. Optics Letters, 2011, 36, 1170.	3.3	24
638	Control of light transmission in laser-written phase-shifted Bragg grating couplers. Optics Letters, 2011, 36, 1380.	3.3	6
639	Comparative Study of FDTD-Adopted Numerical Algorithms for Kerr Nonlinearities. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 143-146.	4.0	31
640	Solitons in a chain of parity-time-invariant dimers. Physical Review E, 2011, 84, 046609.	2.1	99
641	Scattering of linear and nonlinear waves in a waveguide array with a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi fontstyle="italic">PT</mml:mi></mml:mrow></mml:math>-symmetric defect. Physical Review A, 2011, 84, .	2.5	50
642	Spontaneous radiation of a finite-size dipole emitter in hyperbolic media. Physical Review A, 2011, 84, .	2.5	143
643	Metamaterials and metaoptics. NPG Asia Materials, 2011, 3, 100-108.	7.9	56
644	Near-field interaction of twisted split-ring resonators. Physical Review B, 2011, 83, .	3.2	66
645	Observation of tunneling of slow and fast electromagnetic modes in coupled periodic waveguides. Applied Physics Letters, 2011, 98, .	3.3	7
646	Enhanced emission and light control with tapered plasmonic nanoantennas. Applied Physics Letters, 2011, 99, .	3.3	29
647	Interface modes in nanostructured metal-dielectric metamaterials. Applied Physics Letters, 2011, 99, 151914.	3.3	52
648	Generation and Near-Field Imaging of Airy Surface Plasmons. Physical Review Letters, 2011, 107, 116802.	7.8	332

#	Article	IF	Citations
649	Bouncing plasmonic waves in half-parabolic potentials. Physical Review A, 2011, 84, .	2.5	2
650	Optimal filling factor of nanorod lenses for subwavelength imaging. Physical Review A, 2011, 84, .	2.5	5
651	An arrayed nanoantenna for broadband light emission and detection. Physica Status Solidi - Rapid Research Letters, 2011, 5, 347-349.	2.4	39
652	Plasmonic crystal waveguides. Applied Physics A: Materials Science and Processing, 2011, 103, 615-617.	2.3	11
653	Mode transformation in waveguiding plasmonic structures. Photonics and Nanostructures - Fundamentals and Applications, 2011, 9, 207-212.	2.0	14
654	Tapered plasmonic Yagi-Uda nanoantennas for emission enhancement and broadband communication. , 2011, , .		3
655	Nonlinearly<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetric systems: Spontaneous symmetry breaking and transmission resonances. Physical Review A, 2011, 84, .	2.5	183
656	Anderson localization of light near boundaries of disordered photonic lattices. Physical Review A, 2011, 83, .	2.5	42
657	Self-trapping of broad beams in defocusing nonlinear Lithium Niobate waveguide arrays. , 2011, , .		0
658	Antiferromagnetic response of dielectric nanoparticles coupled to split-ring resonators. , 2011, , .		0
659	Symmetry breaking in plasmonic waveguides with metal nonlinearities. , 2011, , .		0
660	Spatial solitons carrying phase singularities in nematic liquid crystals. , 2011, , .		0
661	Near-field mapping of Airy plasmons. , 2011, , .		0
662	Plasmonic Airy beam manipulation by linear optical potentials. , 2011, , .		0
663	Anomalous thermal relaxation in carbon nanoclusters. Applied Physics Letters, 2011, 98, 193106.	3.3	4
664	Manipulation of Airy plasmon beams by linear optical potentials. , 2011, , .		5
665	Vortex solitons and charge flipping in nematic liquid crystals. , 2011, , .		0
666	Modulated nanowire couplers for ultrashort pulses. , 2011, , .		0

#	Article	IF	Citations
667	Photon pair generation and quantum walks in arrays of quadratic nonlinear waveguides. , 2011, , .		0
668	Nonlocal effects in waveguide arrays with PT-symmetric defects. , 2011, , .		0
669	Surface waves in two-dimensional modulated photonic lattices. , 2011, , .		0
670	Magnetoelastic metamaterials. , 2011, , .		5
671	Spatio-temporal dynamics of laser pulses in lithium niobate waveguide arrays. , 2011, , .		0
672	Multimode waveguides in nematic liquid crystals. , 2011, , .		0
673	Tuning linear and nonlinear properties of broadside-coupled resonators. , 2011, , .		0
674	Photon pair generation and quantum walks in quadratic nonlinear waveguide arrays. , 2011, , .		0
675	Phase transitions of nonlinear waves in lithium niobate waveguide arrays. , 2010, , .		0
676	Optimal tapers for compensating losses in plasmonic waveguides. Physica Status Solidi - Rapid Research Letters, 2010, 4, 277-279.	2.4	21
677	Nearâ€field studies of arrays of chirped subwavelength apertures. Physica Status Solidi - Rapid Research Letters, 2010, 4, 253-255.	2.4	2
678	Nonlinear Nanofocusing in Tapered Plasmonic Waveguides. Physical Review Letters, 2010, 105, 116804.	7.8	108
679	Fano resonances in nanoscale structures. Reviews of Modern Physics, 2010, 82, 2257-2298.	45.6	2,434
680	Nonlinear surface waves in arrays of curved waveguides. Photonics and Nanostructures - Fundamentals and Applications, 2010, 8, 62-66.	2.0	3
681	Multistability and localization in coupled nonlinear splitâ€“ring resonators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2095-2097.	2.1	7
682	Influence of the substrate on negative index fishnet metamaterials. Optics Communications, 2010, 283, 4770-4774.	2.1	9
683	Magnetic domains in spinor Bose-Einstein condensates. Low Temperature Physics, 2010, 36, 700-706.	0.6	2
684	Huge enhancement of backward second-harmonic generation with slow light in photonic crystals. Physical Review A, 2010, 81, .	2.5	24

#	Article	IF	Citations
685	Anderson localization of classical waves in weakly scattering metamaterials. Physical Review B, 2010, 81, .	3.2	33
686	Bistability of Anderson Localized States in Nonlinear Random Media. Physical Review Letters, 2010, 104, 123902.	7.8	57
687	Phase Transitions of Nonlinear Waves in Quadratic Waveguide Arrays. Physical Review Letters, 2010, 105, 233905.	7.8	19
688	Analysing and manipulating near-field interaction in metamaterials. , 2010, , .		0
689	Complete spectral gap in coupled dielectric waveguides embedded into metal. Applied Physics Letters, 2010, 97, 021106.	3.3	6
690	Reversible optical nonreciprocity in periodic structures with liquid crystals. Applied Physics Letters, 2010, 96, .	3.3	76
691	Observation of Two-Dimensional Dynamic Localization of Light. Physical Review Letters, 2010, 104, 223903.	7.8	89
692	Substrate-induced bianisotropy in metamaterials. Applied Physics Letters, 2010, 97, .	3.3	46
693	Generation and near-field mapping of Airy plasmons. , 2010, , .		0
694	Tunable fishnet metamaterials infiltrated by liquid crystals. Applied Physics Letters, 2010, 96, .	3.3	97
695	Giant Optical Manipulation. Physical Review Letters, 2010, 105, 118103.	7.8	261
696	Nonlinear plasmonic directional couplers. Applied Physics Letters, 2010, 97, .	3.3	53
697	Suppression of thermal conductivity in graphene nanoribbons with rough edges. Physical Review B, 2010, 82, .	3.2	166
698	Nonlinear suppression of time reversals in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="script">PT</mml:mi></mml:mrow></mml:math>-symmetric optical couplers. Physical Review A, 2010, 82, .	2.5	236
699	Vibrational Tamm states at the edges of graphene nanoribbons. Physical Review B, 2010, 81, .	3.2	63
700	Reversible optical nonreciprocity in periodic structures with liquid crystals. , 2010, , .		1
701	Tunable nonlinear metamaterials and plasmon nanofocusing. , 2010, , .		0
702	Selective trapping of multiple particles by volume speckle field. Optics Express, 2010, 18, 3137.	3.4	104

#	Article	IF	Citations
703	Counterpropagating nematicons in bias-free liquid crystals. Optics Express, 2010, 18, 3258.	3.4	40
704	Spatially engineered polarization states and optical vortices in uniaxial crystals. Optics Express, 2010, 18, 10848.	3.4	134
705	Supercontinuum generation with optical vortices. Optics Express, 2010, 18, 18368.	3.4	57
706	ÄŒerenkov-type second-harmonic generation with fundamental beams of different polarizations. Optics Letters, 2010, 35, 1317.	3.3	32
707	Polychromatic solitons and symmetry breaking in curved waveguide arrays. Optics Letters, 2010, 35, 1371.	3.3	8
708	Soliton bending and routing induced by interaction with curved surfaces in nematic liquid crystals. Optics Letters, 2010, 35, 1692.	3.3	40
709	Counterpropagating solitons at boundary of photonic lattices. Optics Letters, 2010, 35, 2355.	3.3	0
710	Observation of localized modes at phase slips in two-dimensional photonic lattices. Optics Letters, 2010, 35, 2738.	3.3	11
711	Discrete and surface solitons in photonic graphene nanoribbons. Optics Letters, 2010, 35, 2895.	3.3	30
712	Binary parity-time-symmetric nonlinear lattices with balanced gain and loss. Optics Letters, 2010, 35, 2976.	3.3	130
713	Nonlinear localized modes in bandgap microcavities. Optics Letters, 2010, 35, 3207.	3.3	10
714	Focusing-to-defocusing crossover in nonlinear periodic structures. Optics Letters, 2010, 35, 3213.	3.3	2
715	All-optical switching of dark states in nonlinear coupled microring resonators. Optics Letters, 2010, 35, 3712.	3.3	16
716	Optical switching in metal-slit arrays on nonlinear dielectric substrates. Optics Letters, 2010, 35, 4211.	3.3	17
717	Optical Pipeline: Trapping and Guiding of Airborne Particles. Optics and Photonics News, 2010, 21, 37.	0.5	2
718	Polarization Rotation in Silicon Waveguides: Analytical Modeling and Applications. IEEE Photonics Journal, 2010, 2, 423-435.	2.0	6
719	One-Way Extraordinary Optical Transmission and Nonreciprocal Spoof Plasmons. Physical Review Letters, 2010, 105, 126804.	7.8	182
720	Tilted response of fishnet metamaterials at near-infrared optical wavelengths. Physical Review B, 2010, 81, .	3.2	49

#	Article	IF	Citations
721	Metamaterial tuning by manipulation of near-field interaction. Physical Review B, 2010, 82, .	3.2	126
722	Nonlinear coupling in plasmonic structures. , 2010, , .		0
723	Effects of polarization on the transmission and localization of classical waves in weakly scattering metamaterials. Physical Review B, 2010, 82, .	3.2	19
724	Anti-Fermi-Pasta-Ulam energy recursion in diatomic lattices at low energy densities. Physical Review B, 2009, 80, .	3.2	16
725	Stabilization of vortex-soliton beams in nematic liquid crystals. Physical Review A, 2009, 79, .	2.5	34
726	Interface solitons in quadratic nonlinear photonic lattices. Physical Review A, 2009, 80, .	2.5	8
727	Localized modes in capped single-walled carbon nanotubes. Applied Physics Letters, 2009, 94, 111903.	3.3	17
728	Surface magnetoinductive breathers in two-dimensional magnetic metamaterials. Physical Review E, 2009, 80, 017601.	2.1	10
729	Truncated-Bloch-wave solitons in optical lattices. Physical Review A, 2009, 79, .	2.5	44
730	Surface bloch waves in periodic metamaterial structures. , 2009, , .		0
731	Optical vortex pipeline. , 2009, , .		0
732	Light propagation in novel fluid infiltrated polymer waveguide arrays. , 2009, , .		0
733	Machâ€“Zehnderâ€“Fano interferometer. Applied Physics Letters, 2009, 95, 121109.	3.3	18
734	Collisions between discrete surface spatiotemporal solitons in nonlinear waveguide arrays. Physical Review A, 2009, 79, .	2.5	21
735	Plasmonic Bloch oscillations in chirped metal-dielectric structures. Applied Physics Letters, 2009, 94, 161105.	3.3	35
736	Boundary effects on the dynamics of higher-order optical spatial solitons in nonlocal thermal media. Journal of Optics, 2009, 11, 094014.	1.5	25
737	Pulse measurements by randomly quasi phase matched second harmonic generation in the regime of total internal reflection. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 175403.	1.5	9
738	Surface Bloch waves in metamaterial and metal-dielectric superlattices. Applied Physics Letters, 2009, 95, 041902.	3.3	39

#	Article	IF	Citations
739	Observation of enhanced beaming from photonic crystal waveguides. Applied Physics B: Lasers and Optics, 2009, 94, 149-153.	2.2	8
740	Polychromatic dynamic localization in curved photonic lattices. Nature Physics, 2009, 5, 271-275.	16.7	143
741	Enhanced transmission of light through periodic and chirped lattices of nanoholes. Optics Communications, 2009, 282, 2023-2027.	2.1	6
742	Discrete light bullets in two-dimensional photonic lattices: Collision scenarios. Optics Communications, 2009, 282, 3000-3006.	2.1	8
743	Ratchet-induced matterâ€“wave transport and soliton collisions in Boseâ€“Einstein condensates. Physica D: Nonlinear Phenomena, 2009, 238, 1338-1344.	2.8	18
744	Control of cavity modes in coupled periodic waveguides. , 2009, , .		0
745	Thermal conductivity of single-walled carbon nanotubes. Physical Review B, 2009, 80, .	3.2	79
746	One-way electromagnetic Tamm states in magnetophotonic structures. Applied Physics Letters, 2009, 95, .	3.3	75
747	Observation of two-dimensional nonlocal gap solitons. Optics Letters, 2009, 34, 295.	3.3	61
748	Goosâ€“HÃnchen and Imbertâ€“Fedorov shifts of polarized vortex beams. Optics Letters, 2009, 34, 389.	3.3	143
749	Polarizational nonlinear optical response of photonic structures with a liquid crystal defect. Optics Letters, 2009, 34, 488.	3.3	6
750	Multiorder nonlinear diffraction in frequency doubling processes. Optics Letters, 2009, 34, 848.	3.3	96
751	Dynamics of optical spin-orbit coupling in uniaxial crystals. Optics Letters, 2009, 34, 1021.	3.3	119
752	Vector vortex solitons in nematic liquid crystals. Optics Letters, 2009, 34, 1414.	3.3	57
753	Observation of nonlinear surface waves in modulated waveguide arrays. Optics Letters, 2009, 34, 2751.	3.3	10
754	Transverse instability of transverse-magnetic solitons and nonlinear surface plasmons. Optics Letters, 2009, 34, 2982.	3.3	19
755	Bloch-mode extraction from near-field data in periodic waveguides. Optics Letters, 2009, 34, 3776.	3.3	20
756	Dispersion extraction with near-field measurements in periodic waveguides. Optics Express, 2009, 17, 3716.	3.4	15

#	Article	IF	Citations
757	Nonlinear plasmonic slot waveguides: erratum. Optics Express, 2009, 17, 4833.	3.4	7
758	Optical guiding of absorbing nanoclusters in air. Optics Express, 2009, 17, 5743.	3.4	222
759	Photophoretic manipulation of absorbing aerosol particles with vortex beams: theory versus experiment. Optics Express, 2009, 17, 8201.	3.4	188
760	Dynamics of linear polarization conversion in uniaxial crystals. Optics Express, 2009, 17, 18196.	3.4	21
761	Quadratic phase matching in nonlinear plasmonic nanoscale waveguides. Optics Express, 2009, 17, 20063.	3.4	51
762	Counterpropagating surface solitons in two-dimensional photorefractive lattices. Optics Express, 2009, 17, 21515.	3.4	1
763	Self-focusing and spatial plasmon-polariton solitons. Optics Express, 2009, 17, 21732.	3.4	103
764	Determination of topological charges of polychromatic optical vortices. Optics Express, 2009, 17, 23374.	3.4	121
765	Observation of optical azimuthons. Optics Express, 2009, 17, 23610.	3.4	25
766	Asymmetric parametric amplification in nonlinear left-handed transmission lines. Applied Physics Letters, 2009, 94, .	3.3	34
767	Nonlinear electric metamaterials. Applied Physics Letters, 2009, 95, .	3.3	78
768	Observation of double-charge discrete vortex solitons in hexagonal photonic lattices. Physical Review A, 2009, 79, .	2.5	65
769	Soliton interactions and transformations in colloidal media. Physical Review A, 2009, 79, .	2.5	33
770	Structural tunability in metamaterials. Applied Physics Letters, 2009, 95, .	3.3	144
771	Nonlinear control of light in periodic photonic structures: From waveguides to cavities. , 2009, , .		0
772	Light shaping in periodic photonic structures. , 2009, , .		0
773	Frequency doubling by nonlinear diffraction in nonlinear photonic crystals. , 2009, , .		1
774	Cerenkov-Type Second-Harmonic Generation in Two-Dimensional Nonlinear Photonic Structures. IEEE Journal of Quantum Electronics, 2009, 45, 1465-1472.	1.9	107

#	Article	IF	Citations
775	Nonlinear control of tunneling through an epsilon-near-zero channel. Physical Review B, 2009, 79, .	3.2	65
776	Manipulation of Interface Solitons in Quadratic Nonlinear Photonic Lattices. , 2009, , .		0
777	Tunable Goosâ€“HÃnchen shift for self-collimated beams in two-dimensional photonic crystals. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 3098-3101.	2.1	33
778	Simplified models for vibrational energy transfer in proteins. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1077-1080.	2.1	0
779	Shaping and switching of polychromatic light in arrays of periodically curved nonlinear waveguides. Open Physics, 2008, 6, .	1.7	0
780	Defect-Free Surface States in Modulated Photonic Lattices. Physical Review Letters, 2008, 100, 203904.	7.8	44
781	Light Scattering by a Finite Obstacle and Fano Resonances. Physical Review Letters, 2008, 100, 043903.	7.8	114
782	Tunable transmission and harmonic generation in nonlinear metamaterials. Applied Physics Letters, 2008, 93, .	3.3	118
783	Mapping phases of singular scalar light fields. Optics Letters, 2008, 33, 89.	3.3	38
784	Spiraling multivortex solitons in nonlocal nonlinear media. Optics Letters, 2008, 33, 198.	3.3	112
785	Spatiotemporal toroidal waves from the transverse second-harmonic generation. Optics Letters, 2008, 33, 527.	3.3	20
786	Nonlinear localized modes at phase-slip defects in waveguide arrays. Optics Letters, 2008, 33, 917.	3.3	31
787	Observation of polychromatic vortex solitons. Optics Letters, 2008, 33, 1851.	3.3	17
788	Two-color surface lattice solitons. Optics Letters, 2008, 33, 2551.	3.3	14
789	Interface solitons in two-dimensional photonic lattices. Optics Letters, 2008, 33, 2761.	3.3	5
790	Defect-Free Surface Waves. Optics and Photonics News, 2008, 19, 26.	0.5	1
791	Fano Resonances: A Discovery that Was Not Made 100 Years Ago. Optics and Photonics News, 2008, 19, 48.	0.5	18
792	Dispersionless tunneling of slow light in antisymmetric photonic crystal couplers. Optics Express, 2008, 16, 1104.	3.4	29

#	Article	IF	Citations
793	Spatial solitons and light-induced instabilities in colloidal media. Optics Express, 2008, 16, 1371.	3.4	59
794	Bloch oscillations in chirped layered structures with metamaterials. Optics Express, 2008, 16, 3299.	3.4	16
795	Inside-out electromagnetic cloaking. Optics Express, 2008, 16, 4615.	3.4	27
796	Nonlinear dynamics of two-color optical vortices in lithium niobate crystals. Optics Express, 2008, 16, 5406.	3.4	15
797	Spatiotemporal control of light by Bloch-mode dispersion in multi-core fibers. Optics Express, 2008, 16, 5878.	3.4	11
798	Observation of polychromatic gap solitons. Optics Express, 2008, 16, 5991.	3.4	5
799	Coupled-resonator-induced reflection in photonic-crystal waveguide structures. Optics Express, 2008, 16, 11647.	3.4	79
800	Interband resonant transitions in two-dimensional hexagonal lattices: Rabi oscillations, Zener tunnelling, and tunnelling of phase dislocations. Optics Express, 2008, 16, 14076.	3.4	13
801	Planar second-harmonic generation with noncollinear pumps in disordered media. Optics Express, 2008, 16, 14192.	3.4	40
802	Cut-wire-pair structures as two-dimensional magnetic metamaterials. Optics Express, 2008, 16, 15185.	3.4	20
803	Nonlinear magnetic metamaterials. Optics Express, 2008, 16, 20266.	3.4	109
804	Generation of optical bottle beams by incoherent white-light vortices. Optics Express, 2008, 16, 20902.	3.4	36
805	Nonlinear plasmonic slot waveguides. Optics Express, 2008, 16, 21209.	3.4	103
806	Ideal and nonideal invisibility cloaks. Optics Express, 2008, 16, 21369.	3.4	9
807	Nonlinear optics: The next decade. Optics Express, 2008, 16, 22126.	3.4	52
808	Shaping the colors of polychromatic light in femtosecond laser-written two-dimensional waveguide arrays. , 2008, , .		0
809	Dynamics of Fréedericksz transition in periodic structures. , 2008, , .		0
810	Nonlocal gap soliton in liquid infiltrated photonic crystal fibres. , 2008, , .		0

#	Article	IF	Citations
811	Design tolerances of nonlinear Bragg-grating couplers optimised for all-optical slow-light switching. , 2008, , .		0
812	Generation of Second-Harmonic Bessel Beams by Transverse Phase-Matching in Annular Periodically Poled Structures. Japanese Journal of Applied Physics, 2008, 47, 6777-6783.	1.5	16
813	Experimental observation of slow light tunneling in coupled periodic waveguides. , 2008, , .		0
814	Broadband second harmonic parametric scattering in ferroelectric crystals with random domains structure. , 2008, , .		0
815	Nonlinear surface modes in annular waveguides. , 2008, , .		0
816	Spatially localized modes in two-dimensional chirped photonic lattices. Physical Review A, 2008, 77, .	2.5	12
817	Observation of Defect-Free Surface Modes in Optical Waveguide Arrays. Physical Review Letters, 2008, 101, 203902.	7.8	60
818	Surface breathers in discrete magnetic metamaterials. Physical Review E, 2008, 77, 065601.	2.1	24
819	Observation of diffraction-managed discrete solitons in curved waveguide arrays. Physical Review A, 2008, 78, .	2.5	50
820	Matter waves in anharmonic periodic potentials. Physical Review A, 2008, 77, .	2.5	13
821	Experimental studies of the internal Goosâ€“HÃnchen shift for self-collimated beams in two-dimensional microwave photonic crystals. Applied Physics Letters, 2008, 93, .	3.3	11
822	Light-induced orientational effects in periodic photonic structures with pure and dye-doped nematic liquid crystal defects. Physical Review A, 2008, 78, .	2.5	22
823	Observation of light-induced reorientational effects in periodic structures with planar nematic-liquid-crystal defects. Applied Physics Letters, 2008, 92, 203304.	3.3	15
824	All-optical switching and multistability in photonic structures with liquid crystal defects. Applied Physics Letters, 2008, 92, 253306.	3.3	37
825	Multistability in nonlinear left-handed transmission lines. Applied Physics Letters, 2008, 92, .	3.3	13
826	Dynamics of Matter-Wave Solitons in a Ratchet Potential. Physical Review Letters, 2008, 101, 150403.	7.8	55
827	Spatiotemporal surface Ginzburg-Landau solitons. Physical Review A, 2008, 77, .	2.5	20
828	Generation of Second-Harmonic Conical Waves via Nonlinear Bragg Diffraction. Physical Review Letters, 2008, 100, 103902.	7.8	124

#	Article	IF	Citations
829	Bloch Cavity Solitons in Nonlinear Resonators with Intracavity Photonic Crystals. Physical Review Letters, 2008, 101, 153903.	7.8	40
830	Diffraction-managed solitons and nonlinear beam diffusion in modulated waveguide arrays. , 2008, , .		0
831	A new type of surface waves in diffraction-managed optical waveguide arrays. , 2008, , .		0
832	Rotating multipole vortex solitons in nonlocal media. , 2007, , .		0
833	NONLINEAR OPTICS AND LIGHT LOCALIZATION IN PERIODIC PHOTONIC LATTICES. Journal of Nonlinear Optical Physics and Materials, 2007, 16, 1-25.	1.8	27
834	All-optical switching of slow light in nonlinear Bragg grating coupler. , 2007, , .		0
835	Nonlinearity-assisted quantum tunnelling in a matter-wave interferometer. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 4235-4244.	1.5	20
836	Self-tuning mechanisms of nonlinear split-ring resonators. Applied Physics Letters, 2007, 91, .	3.3	91
837	Scattering of electromagnetic waves in metamaterial superlattices. Applied Physics Letters, 2007, 90, 201919.	3.3	25
838	Laguerre and Hermite Soliton Clusters in Nonlocal Nonlinear Media. Physical Review Letters, 2007, 98, 053901.	7.8	262
839	Stabilization of vortex solitons in nonlocal nonlinear media. Physical Review A, 2007, 76, .	2.5	53
840	Nonlinear Spectral-Spatial Control and Localization of Supercontinuum Radiation. Physical Review Letters, 2007, 99, 123901.	7.8	28
841	Broadband switching of polychromatic light in nonlinear waveguide couplers. , 2007, , .		0
842	Full-time dynamics of modulational instability in spinor Bose-Einstein condensates. Physical Review A, 2007, 76, .	2.5	19
843	Matrices and necklaces of solitons in nonlocal nonlinear media. , 2007, , .		0
844	Observation of polychromatic gap solitons generated by supercontinuum light. , 2007, , .		0
845	Beam reshaping by a slab of anisotropic metamaterial supporting magnetoinductive waves. , 2007, , .		0
846	Matrices and Necklaces of Solitons in Nonlocal Nonlinear Media. , 2007, , .		0

#	Article	IF	Citations
847	Resonant Zener tunneling in two-dimensional periodic photonic lattices. Optics Letters, 2007, 32, 325.	3.3	28
848	Observation of nonlinear self-trapping in triangular photonic lattices. Optics Letters, 2007, 32, 397.	3.3	56
849	Multivortex solitons in triangular photonic lattices. Optics Letters, 2007, 32, 1293.	3.3	49
850	Slow-light switching in nonlinear Bragg-grating couplers. Optics Letters, 2007, 32, 1429.	3.3	19
851	Experimental reconstruction of nonlocal response of thermal nonlinear optical media. Optics Letters, 2007, 32, 1599.	3.3	57
852	Interface discrete light bullets in waveguide arrays. Optics Letters, 2007, 32, 2091.	3.3	23
853	Surface solitons in chirped photonic lattices. Optics Letters, 2007, 32, 2668.	3.3	31
854	Spatiotemporal surface solitons in two-dimensional photonic lattices. Optics Letters, 2007, 32, 3173.	3.3	44
855	Managing Light in Nonlinear Disordered Media. Optics and Photonics News, 2007, 18, 30.	0.5	3
856	Trapped Supercontinuum and Multi-Color Gap Solitons. Optics and Photonics News, 2007, 18, 41.	0.5	5
857	Stable discrete surface light bullets. Optics Express, 2007, 15, 589.	3.4	45
858	Generation of Bessel beams by parametric frequency doubling in annular nonlinear periodic structures. Optics Express, 2007, 15, 4132.	3.4	33
859	How does an inclined holding beam affect discrete modulational instability and solitons in nonlinear cavities?. Optics Express, 2007, 15, 4149.	3.4	31
860	Stabilization of counterpropagating solitons by photonic lattices. Optics Express, 2007, 15, 6279.	3.4	16
861	Nonlinear diffusion and beam self-trapping in diffraction-managed waveguide arrays. Optics Express, 2007, 15, 9547.	3.4	22
862	Diffraction control in periodically curved two-dimensional waveguide arrays. Optics Express, 2007, 15, 9737.	3.4	47
863	Spatiotemporal discrete surface solitons in binary waveguide arrays. Optics Express, 2007, 15, 10718.	3.4	20
864	Wave scattering and splitting by magnetic metamaterials. Optics Express, 2007, 15, 11714.	3.4	12

#	Article	IF	Citations
865	Frequency-selective self-trapping and supercontinuum generation in arrays of coupled nonlinear waveguides. Optics Express, 2007, 15, 11978.	3.4	29
866	Tunable diffraction and self-defocusing in liquid-filled photonic crystal fibers. Optics Express, 2007, 15, 12145.	3.4	81
867	Low-threshold bistability of slow light in photonic-crystal waveguides. Optics Express, 2007, 15, 12380.	3.4	40
868	Switching with vortex beams in nonlinear concentric couplers. Optics Express, 2007, 15, 12916.	3.4	12
869	Shaping and control of polychromatic light in nonlinear photonic lattices. Optics Express, 2007, 15, 13058.	3.4	21
870	Energy exchange between two orthogonally polarized waves by cascading of two quasi-phase-matched quadratic processes. Optics Express, 2007, 15, 13630.	3.4	3
871	Second-harmonic parametric scattering in ferroelectric crystals with disordered nonlinear domain structures. Optics Express, 2007, 15, 15868.	3.4	62
872	Nonlocal response of optical thermal nonlinearity. , 2007, , .		0
873	Broadband frequency doubling an unpoled SBN crystals in the thermal focusing regime. , 2007, , .		0
874	Excitation of backward Tamm states at an interface between a periodic photonic crystal and a left-handed metamaterial. Physical Review A, 2007, 75, .	2.5	31
875	Suppression of Anderson Localization in Disordered Metamaterials. Physical Review Letters, 2007, 99, 193902.	7.8	80
876	Nonlinear surface modes and Tamm states in periodic photonic structures. Wave Motion, 2007, 45, 59-67.	2.0	7
877	Self-collimation and beam splitting in low-index photonic crystals. Optics Communications, 2007, 279, 313-319.	2.1	21
878	Magnetoinductive waves in arrays of split-ring resonators. Physica B: Condensed Matter, 2007, 394, 180-183.	2.7	58
879	Discrete surface solitons in two-dimensional anisotropic photonic lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 364, 274-276.	2.1	26
880	Capillary action. Nature Photonics, 2007, 1, 143-144.	31.4	0
881	Light localization in azimuthally modulated Bessel photonic lattices. Journal of Materials Science: Materials in Electronics, 2007, 18, 277-283.	2.2	17
882	Spiraling solitons and multipole localized modes in nonlocal nonlinear media. Physica B: Condensed Matter, 2007, 394, 351-356.	2.7	25

#	Article	IF	Citations
883	Interface localized modes and hybrid lattice solitons in waveguide arrays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 362, 280-282.	2.1	21
884	Discrete self-trapping vs. defocusing in nonlinear waveguide arrays. , 2006, , .		0
885	Effect of microscopic disorder on magnetic properties of metamaterials. Physical Review E, 2006, 73, 056605.	2.1	76
886	Observation of spatial shift in interaction of dark nonlocal solitons. , 2006, , .		3
887	Surface gap solitons at fabricated photonic lattice interfaces. , 2006, , .		0
888	Surface multi-gap solitons in nonlinear waveguide arrays. , 2006, , .		0
889	Observation of Surface Gap Solitons in Semi-Infinite Waveguide Arrays. Physical Review Letters, 2006, 97, 083901.	7.8	186
890	Localization of light in Bessel photonic lattices. , 2006, , .		0
891	Dynamics of vector solitons and vortices in two-dimensional photonic lattices. Optics Letters, 2006, 31, 607.	3.3	23
892	Stable rotating dipole solitons in nonlocal optical media. Optics Letters, 2006, 31, 1100.	3.3	172
893	Demonstration of all-optical beam steering in modulated photonic lattices. Optics Letters, 2006, 31, 1498.	3.3	45
894	Discrete solitons and nonlinear surface modes in semi-infinite waveguide arrays. Optics Letters, 2006, 31, 1693.	3.3	120
895	Discrete surface solitons in semi-infinite binary waveguide arrays. Optics Letters, 2006, 31, 2332.	3.3	56
896	Oblique interaction of spatial dark-soliton stripes in nonlocal media. Optics Letters, 2006, 31, 3010.	3.3	24
897	Polychromatic interface solitons in nonlinear photonic lattices. Optics Letters, 2006, 31, 3125.	3.3	28
898	Group-velocity-matched multistep cascading in nonlinear photonic crystals. Optics Letters, 2006, 31, 3321.	3.3	8
899	Photonic Bloch Oscillations and Zener Tunnelling. Optics and Photonics News, 2006, 17, 22.	0.5	4
900	Nonlinear Tamm States in Periodic Photonic Structures. Optics and Photonics News, 2006, 17, 29.	0.5	6

#	Article	IF	Citations
901	Molding Light in Two-Dimensional Photonic Lattices. Optics and Photonics News, 2006, 17, 38.	0.5	0
902	Second-harmonic generation in nonlinear left-handed metamaterials. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 529.	2.1	188
903	Crossover from self-defocusing to discrete trapping in nonlinear waveguide arrays. Optics Express, 2006, 14, 254.	3.4	62
904	Nonlinear Bloch modes in two-dimensional photonic lattices. Optics Express, 2006, 14, 1913.	3.4	49
905	Observation of light localization in modulated Bessel optical lattices. Optics Express, 2006, 14, 2825.	3.4	46
906	Tunable all-optical switching in periodic structures with liquid-crystal defects. Optics Express, 2006, 14, 2839.	3.4	50
907	Two-dimensional self-trapped nonlinear photonic lattices. Optics Express, 2006, 14, 2851.	3.4	61
908	Generation of single-charge optical vortices with an uniaxial crystal. Optics Express, 2006, 14, 3724.	3.4	50
909	Dynamics of short pulses and phase matched second harmonic generation in negative index materials. Optics Express, 2006, 14, 4746.	3.4	64
910	Surface multi-gap vector solitons. Optics Express, 2006, 14, 4780.	3.4	50
911	Azimuthons in nonlocal nonlinear media. Optics Express, 2006, 14, 7903.	3.4	101
912	Observation of topological transformations of optical vortices in two-dimensional photonic lattices. Optics Express, 2006, 14, 8317.	3.4	43
913	Tunable split-ring resonators for nonlinear negative-index metamaterials. Optics Express, 2006, 14, 9344.	3.4	252
914	Self-trapping of polychromatic light in nonlinear periodic photonic structures. Optics Express, 2006, 14, 9873.	3.4	23
915	Polychromatic nonlinear surface modes generated by supercontinuum light. Optics Express, 2006, 14, 11265.	3.4	31
916	Simultaneous phase matching and internal interference of two second-order nonlinear parametric processes. Optics Express, 2006, 14, 11756.	3.4	7
917	Bending light at will. Nature Physics, 2006, 2, 729-730.	16.7	26
918	Tamm states and nonlinear surface modes in photonic crystals. Optics Communications, 2006, 266, 323-326.	2.1	12

#	Article	IF	Citations
919	Impurity modes and wave scattering in discrete chains with nonlinear defect states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 350, 134-137.	2.1	3
920	Nonlinear magnetoinductive waves and domain walls in composite metamaterials. Photonics and Nanostructures - Fundamentals and Applications, 2006, 4, 69-74.	2.0	44
921	Bloch Oscillations and Zener Tunneling in Two-Dimensional Photonic Lattices. Physical Review Letters, 2006, 96, 053903.	7.8	247
922	Wave scattering by metamaterial wedges and interfaces. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2006, 19, 105-117.	1.9	25
923	All-optical switching, bistability, and slow-light transmission in photonic crystal waveguide-resonator structures. Physical Review E, 2006, 74, 046603.	2.1	95
924	Enhanced parametric processes in binary metamaterials. Applied Physics Letters, 2006, 88, 071912.	3.3	44
925	Slow-Light Optical Bullets in Arrays of Nonlinear Bragg-Grating Waveguides. Physical Review Letters, 2006, 97, 233901.	7.8	38
926	Observation of nonlinear optical Tamm states in truncated photonic lattices. , 2006, , .		0
927	Simple and efficient generation of gap solitons in Bose-Einstein condensates. Physical Review A, 2006, 73, .	2.5	22
928	Directional nonlinear wave transport in photonic lattices. , 2006, , .		0
929	Light localization in Bessel photonic lattices. , 2006, , .		0
930	Observation of topological transformations of vortices in two-dimensional lattices. , 2006, , .		1
931	Backward Tamm states in left-handed metamaterials. Applied Physics Letters, 2006, 89, 114104.	3.3	62
932	Melting of Discrete Vortices via Quantum Fluctuations. Physical Review Letters, 2006, 97, 180408.	7.8	35
933	Broadband diffraction management and self-collimation of white light in photonic lattices. Physical Review E, 2006, 74, 066609.	2.1	48
934	Magnetic polarons in one-dimensional antiferromagnetic chains. Physical Review B, 2006, 74, .	3.2	7
935	Light localization in Bessel photonic lattices. , 2006, , .		0
936	Slow light bullets in arrays of nonlinear Bragg-grating waveguides. , 2006, , .		1

#	Article	IF	Citations
937	Observation of surface gap solitons. , 2006, , .		3
938	Discrete vortex clusters in triangular photonic lattices. , 2006, , .		0
939	Sub-wavelength imaging with a left-handed material flat lens. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 334, 326-330.	2.1	45
940	Spontaneous emission and lame shift in photonic crystals. Science and Technology of Advanced Materials, 2005, 6, 814-822.	6.1	8
941	Nonlinear Fano resonance and bistable wave transmission. Physical Review E, 2005, 71, 036626.	2.1	114
942	Nonlinear left-handed metamaterials. Radio Science, 2005, 40, n/a-n/a.	1.6	21
943	Stability of atomicâ€“molecular coherent states of hybrid Boseâ€“Einstein condensates. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, 151-155.	1.4	0
944	Optical vortices and vortex solitons. Progress in Optics, 2005, 47, 291-391.	0.6	356
945	Generation of spin-wave dark solitons with phase engineering. Physical Review B, 2005, 71, .	3.2	8
946	Engineering of directional emission from photonic-crystal waveguides. Applied Physics Letters, 2005, 86, 081110.	3.3	79
947	Azimuthons: Spatially Modulated Vortex Solitons. Physical Review Letters, 2005, 95, 203904.	7.8	158
948	Subwavelength imaging with opaque nonlinear left-handed lenses. Applied Physics Letters, 2005, 87, 091104.	3.3	52
949	Quantum-noise properties of matter-wave gap solitons. Physical Review A, 2005, 72, .	2.5	14
950	Quantum correlations in soliton collisions. Physical Review A, 2005, 71, .	2.5	14
951	Stable vortex solitons in nonlocal self-focusing nonlinear media. Physical Review E, 2005, 71, 065603.	2.1	230
952	Birefringent left-handed metamaterials and perfect lenses for vectorial fields. New Journal of Physics, 2005, 7, 220-220.	2.9	24
953	Multistep parametric processes in nonlinear optics. Progress in Optics, 2005, 47, 1-73.	0.6	82
954	Excitation of guided waves in layered structures with negative refraction. Optics Express, 2005, 13, 481.	3.4	71

#	Article	IF	Citations
955	Nonlinear transmission and spatiotemporal solitons in metamaterials with negative refraction. Optics Express, 2005, 13, 1291.	3.4	58
956	Incoherent multi-gap optical solitons in nonlinear photonic lattices. Optics Express, 2005, 13, 2916.	3.4	17
957	Sharp bends in photonic crystal waveguides as nonlinear Fano resonators. Optics Express, 2005, 13, 3969.	3.4	43
958	Photonic bandgap properties of void-based body-centered-cubic photonic crystals in polymer. Optics Express, 2005, 13, 4390.	3.4	9
959	Discrete interband mutual focusing in nonlinear photonic lattices. Optics Express, 2005, 13, 5369.	3.4	5
960	Soliton control in modulated optically-induced photonic lattices. Optics Express, 2005, 13, 5704.	3.4	26
961	Focusing and correlation properties of white-light optical vortices. Optics Express, 2005, 13, 7393.	3.4	25
962	Nonlinear photonic lattices in anisotropic nonlocal self-focusing media. Optics Letters, 2005, 30, 869.	3.3	60
963	Fano resonance in quadratic waveguide arrays. Optics Letters, 2005, 30, 872.	3.3	10
964	Soliton control and Bloch-wave filtering in periodic photonic lattices. Optics Letters, 2005, 30, 1849.	3.3	25
965	Nonlinear dual-core photonic crystal fiber couplers. Optics Letters, 2005, 30, 1858.	3.3	32
966	Multistep cascading in periodically poled directional couplers. Optics Letters, 2005, 30, 2284.	3.3	4
967	Tunable positive and negative refraction in optically induced photonic lattices. Optics Letters, 2005, 30, 2293.	3.3	33
968	Photonic Structures. Optics and Photonics News, 2005, 16, 36.	0.5	38
969	Solitons. Optics and Photonics News, 2005, 16, 43.	0.5	0
970	Spatial solitons in nonlinear left-handed metamaterials. Journal of Optics, 2005, 7, S68-S72.	1.5	47
971	Suppression of left-handed properties in disordered metamaterials. Journal of Applied Physics, 2005, 97, 113906.	2.5	42
972	Complete Band Gaps in One-Dimensional Left-Handed Periodic Structures. Physical Review Letters, 2005, 95, 193903.	7.8	110

#	Article	IF	Citations
973	Bistable diode action in left-handed periodic structures. Physical Review E, 2005, 71, 037602.	2.1	124
974	Interaction of matter-wave gap solitons in optical lattices. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, 423-427.	1.4	21
975	Tunable transmission and bistability in left-handed band-gap structures. Applied Physics Letters, 2004, 85, 1451-1453.	3.3	68
976	Controlled Generation and Steering of Spatial Gap Solitons. Physical Review Letters, 2004, 93, 083905.	7.8	101
977	Nonlinear Bloch-Wave Interaction and Bragg Scattering in Optically Induced Lattices. Physical Review Letters, 2004, 92, 093901.	7.8	60
978	Localization of Two-Component Bose-Einstein Condensates in Optical Lattices. Physical Review Letters, 2004, 92, 180405.	7.8	33
979	In-plane and out-of-plane band-gap properties of a two-dimensional triangular polymer-based void channel photonic crystal. Applied Physics Letters, 2004, 84, 4415-4417.	3.3	19
980	Matter-wave dark solitons in optical lattices. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, S309-S317.	1.4	31
981	Nonlinear surface waves in left-handed materials. Physical Review E, 2004, 69, 016617.	2.1	278
982	Matter-Wave Gap Vortices in Optical Lattices. Physical Review Letters, 2004, 93, 160405.	7.8	95
983	Observation of Discrete Vortex Solitons in Optically Induced Photonic Lattices. Physical Review Letters, 2004, 92, 123903.	7.8	418
984	Photonic crystals for matter waves: Bose-Einstein condensates in optical lattices. Optics Express, 2004, 12, 19.	3.4	81
985	Observation of transverse instabilities in optically induced lattices. Optics Letters, 2004, 29, 259.	3.3	9
986	Soliton transverse instabilities in anisotropic nonlocal self-focusing media. Optics Letters, 2004, 29, 280.	3.3	16
987	Soliton stripes in two-dimensional nonlinear photonic lattices. Optics Letters, 2004, 29, 486.	3.3	40
988	Second-harmonic generation in vortex-induced waveguides. Optics Letters, 2004, 29, 593.	3.3	15
989	Incoherent vector vortex-mode solitons in self-focusing nonlinear media. Optics Letters, 2004, 29, 2285.	3.3	10
990	Observation of discrete gap solitons in binary waveguide arrays. Optics Letters, 2004, 29, 2890.	3.3	59

#	Article	IF	Citations
991	All-optical switching and amplification of discrete vector solitons in nonlinear cubic birefringent waveguide arrays. Optics Letters, 2004, 29, 2905.	3.3	31
992	Giant Goos-HÃnchen effect at the reflection from left-handed metamaterials. Applied Physics Letters, 2003, 83, 2713-2715.	3.3	236
993	Nonlinear localized modes in waveguide bends. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 307, 287-291.	2.1	30
994	Beam shaping by a periodic structure with negative refraction. Applied Physics Letters, 2003, 82, 3820-3822.	3.3	130
995	Matter-Wave Gap Solitons in Atomic Band-Gap Structures. Physical Review Letters, 2003, 90, 160407.	7.8	173
996	Spatial solitons in optically induced gratings. Optics Letters, 2003, 28, 710.	3.3	352
997	Parametric vector solitons in tetragonal crystals. Optics Letters, 2003, 28, 828.	3.3	2
998	Spatial optical solitons supported by mutual focusing. Optics Letters, 2003, 28, 1457.	3.3	20
999	Controlled switching of discrete solitons in waveguide arrays. Optics Letters, 2003, 28, 1942.	3.3	55
1000	Generation and stability of discrete gap solitons. Optics Letters, 2003, 28, 2345.	3.3	69
1001	Nonlinear Properties of Left-Handed Metamaterials. Physical Review Letters, 2003, 91, 037401.	7.8	518
1002	Composite Band-Gap Solitons in Nonlinear Optically Induced Lattices. Physical Review Letters, 2003, 91, 153902.	7.8	48
1003	Introduction: Nonlinear localized modes. Chaos, 2003, 13, 586-587.	2.5	48
1004	Bose-Einstein condensates in optical lattices: Band-gap structure and solitons. Physical Review A, 2003, 67, .	2.5	235
1005	Ring Dark Solitons and Vortex Necklaces in Bose-Einstein Condensates. Physical Review Letters, 2003, 90, 120403.	7.8	173
1006	Multigap Discrete Vector Solitons. Physical Review Letters, 2003, 91, 113902.	7.8	73
1007	Related Concepts. , 2003, , 472-526.		0
1008	Interaction of dark solitons with localized impurities in Bose-Einstein condensates. Physical Review A, 2002, 66, .	2.5	95

#	Article	IF	Citations
1009	SELF-WRITTEN WAVEGUIDES IN PHOTOSENSITIVE MATERIALS. Journal of Nonlinear Optical Physics and Materials, 2002, 11, 391-407.	1.8	44
1010	Spatial optical solitons and soliton clusters carrying an angular momentum. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, S58-S65.	1.4	31
1011	Vortices in atomic-molecular Bose-Einstein condensates. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, S33-S38.	1.4	15
1012	Self-written waveguides in photopolymerizable resins. Optics Letters, 2002, 27, 185.	3.3	74
1013	Effective equations for photonic-crystal waveguides and circuits. Optics Letters, 2002, 27, 231.	3.3	39
1014	Multicomponent dipole-mode spatial solitons. Optics Letters, 2002, 27, 634.	3.3	30
1015	All-optical deflection and splitting by second-order cascading. Optics Letters, 2002, 27, 921.	3.3	21
1016	Discrete gap solitons in modulated waveguide arrays. Optics Letters, 2002, 27, 2112.	3.3	112
1017	Nonlinear Photonic Crystals Toward All-Optical Technologies. Optics and Photonics News, 2002, 13, 48.	0.5	64
1018	Massive WDM and TDM soliton transmission systems: a ROSC symposium. Journal of Optical Networking, 2002, 1, 30.	2.5	0
1019	Multi-component vector solitons in photorefractive crystals. Optics Communications, 2002, 209, 501-506.	2.1	12
1020	Multipole spatial vector solitons. Optics Letters, 2001, 26, 435.	3.3	43
1021	Efficient collinear fourth-harmonic generation by two-channel multistep cascading in a single two-dimensional nonlinear photonic crystal. Optics Letters, 2001, 26, 539.	3.3	25
1022	Dipole-mode vector solitons in anisotropic nonlocal self-focusing media. Optics Letters, 2001, 26, 1185.	3.3	36
1023	Optical nonlinearities in polyenes: role of intrinsic localized modes. Synthetic Metals, 2001, 116, 45-48.	3.9	5
1024	Self-Trapping and Stable Localized Modes in Nonlinear Photonic Crystals. Physical Review Letters, 2001, 86, 5474-5477.	7.8	163
1025	Nonlinear modes of a macroscopic quantum oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 278, 225-230.	2.1	191
1026	Multi-soliton energy transport in anharmonic lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 282, 157-162.	2.1	18

#	Article	IF	Citations
1027	Multistep cascading and fourth-harmonic generation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 281, 34-38.	2.1	8
1028	Fractal structures and multiparticle effects in soliton scattering. Physical Review E, 2001, 64, 056613.	2.1	32
1029	Nonlinear Aharonov-Bohm Scattering by Optical Vortices. Physical Review Letters, 2001, 87, 043901.	7.8	30
1030	Modulational instability of spinor condensates. Physical Review A, 2001, 64, .	2.5	75
1031	Necklace-Ring Vector Solitons. Physical Review Letters, 2001, 87, 033901.	7.8	113
1032	Transverse Instability of Vector Solitons and Generation of Dipole Arrays. Physical Review Letters, 2001, 87, 103903.	7.8	10
1033	Multi-component optical solitary waves. Physica A: Statistical Mechanics and Its Applications, 2000, 288, 152-173.	2.6	10
1034	Self-focusing and transverse instabilities of solitary waves. Physics Reports, 2000, 331, 117-195.	25.6	385
1035	Dipole-Mode Vector Solitons. Physical Review Letters, 2000, 85, 82-85.	7.8	120
1036	Stability criterion for multicomponent solitary waves. Physical Review E, 2000, 62, 8668-8676.	2.1	46
1037	Vortex-stripe soliton interactions. Optics Letters, 2000, 25, 123.	3.3	40
1038	Observation of bound states of interacting vector solitons. Optics Letters, 2000, 25, 417.	3.3	34
1039	Vector solitons in (2 + 1) dimensions. Optics Letters, 2000, 25, 643.	3.3	44
1040	Linear and nonlinear waveguides induced by optical vortex solitons. Optics Letters, 2000, 25, 660.	3.3	47
1041	Phase matching in nonlinear Ï‡^(2) photonic crystals. Optics Letters, 2000, 25, 1204.	3.3	75
1042	Parametric Optical-Vortex Solitons. Optics and Photonics News, 2000, 11, 28.	0.5	9
1043	Nonlinear Aharonov-Bohm Effect On Optical Vortices. Optics and Photonics News, 2000, 11, 29.	0.5	0
1044	Nonlinear Localized Modes In Photonic Crystal Waveguides. Optics and Photonics News, 2000, 11, 33.	0.5	0

#	Article	IF	Citations
1045	Light Molecules: Dipole-Mode Vector Solitons. Optics and Photonics News, 2000, 11, 36.	0.5	3
1046	Linear and nonlinear diffraction of dipolar spin waves in yttrium iron garnet films observed by space- and time-resolved Brillouin light scattering. Physical Review B, 2000, 61, 11576-11587.	3.2	80
1047	Coupled-mode theory for Bose-Einstein condensates. Physical Review A, 2000, 61, .	2.5	160
1048	Optical vortex solitons in parametric wave mixing. Physical Review E, 2000, 61, 2042-2049.	2.1	29
1049	Origin of multikinks in dispersive nonlinear systems. Physical Review E, 2000, 61, 2551-2554.	2.1	24
1050	Observation of Dipole-Mode Vector Solitons. Physical Review Letters, 2000, 85, 1424-1427.	7.8	125
1051	Long-range interaction and nonlinear localized modes in photonic crystal waveguides. Physical Review E, 2000, 62, 5777-5782.	2.1	103
1052	Quasiperiodic Envelope Solitons. Physical Review Letters, 1999, 83, 4740-4743.	7.8	41
1053	Generation of Spin-Wave Envelope Dark Solitons. Physical Review Letters, 1999, 82, 2583-2586.	7.8	37
1054	Suppression of transverse instabilities for vector solitons. Physical Review E, 1999, 60, R1170-R1173.	2.1	23
1055	Two-color multistep cascading and parametric soliton-induced waveguides. Physical Review E, 1999, 60, R5056-R5059.	2.1	28
1056	Stability of Multihump Optical Solitons. Physical Review Letters, 1999, 83, 296-299.	7.8	124
1057	Multi-hump optical solitons in a saturable medium. Journal of Optics B: Quantum and Semiclassical Optics, 1999, 1, 77-83.	1.4	24
1058	Discreteness-Induced Oscillatory Instabilities of Dark Solitons. Physical Review Letters, 1999, 82, 85-88.	7.8	109
1059	Optical gap solitons in nonresonant quadratic media. Physical Review E, 1999, 59, 7148-7151.	2.1	50
1060	Two-color nonlinear localized photonic modes. Physical Review E, 1999, 60, R41-R44.	2.1	27
1061	Induced Coherence and Stable Soliton Spiraling. Physical Review Letters, 1999, 82, 81-84.	7.8	89
1062	Interaction between vector solitons and solitonic gluons. Optics Letters, 1999, 24, 327.	3.3	69

#	Article	IF	Citations
1063	Spatial optical solitons resulting from multistep cascading. Optics Letters, 1999, 24, 759.	3.3	30
1064	Two-Color Nonlinear Localized Modes in Photonic Crystals. Optics and Photonics News, 1999, 10, 34.	0.5	4
1065	Dynamics of optical vortex solitons. Optics Communications, 1998, 152, 198-206.	2.1	95
1066	Nonlinear bent single-mode waveguide as a simple all-optical switch. Optics Communications, 1998, 147, 259-264.	2.1	11
1067	Nonlinear surface modes in monoatomic and diatomic lattices. Physica D: Nonlinear Phenomena, 1998, 113, 248-260.	2.8	23
1068	Multistable nonlinear surface modes. Physica D: Nonlinear Phenomena, 1998, 119, 125-133.	2.8	10
1069	Internal modes of envelope solitons. Physica D: Nonlinear Phenomena, 1998, 116, 121-142.	2.8	126
1070	Dark optical solitons: physics and applications. Physics Reports, 1998, 298, 81-197.	25.6	1,119
1071	Nonlinear dynamics of the Frenkelâ€“Kontorova model. Physics Reports, 1998, 306, 1-108.	25.6	560
1072	Internal Modes of Solitary Waves. Physical Review Letters, 1998, 80, 5032-5035.	7.8	192
1073	Multiple states of intrinsic localized modes. Physical Review B, 1998, 58, 5423-5428.	3.2	29
1074	Nonlinear phase shift and all-optical switching in quasi-phase-matched quadratic media. Optics Letters, 1998, 23, 506.	3.3	49
1075	Stabilization of dark and vortex parametric spatial solitons. Optics Letters, 1998, 23, 670.	3.3	26
1076	Nonlinear theory of soliton-induced waveguides. Optics Letters, 1998, 23, 1268.	3.3	31
1077	Another Twist of Light: Soliton Collisions in Bulk Media. Optics and Photonics News, 1998, 9, 50.	0.5	1
1078	Two-dimensional solitary waves in media with quadratic and cubic nonlinearity. Physical Review E, 1998, 58, 5057-5069.	2.1	67
1079	Multicolor solitons due to four-wave mixing. Physical Review E, 1998, 57, 3551-3555.	2.1	40
1080	Resonance properties of domain walls in ferromagnets with a weak exchange interaction. Low Temperature Physics, 1998, 24, 479-483.	0.6	10

#	Article	IF	Citations
1081	Spatial Solitons and Induced Kerr Effects in Quasi-Phase-Matched Quadratic Media. Physical Review Letters, 1997, 78, 4749-4752.	7.8	156
1082	Kinkâ€™s internal modes in the Frenkel-Kontorova model. Physical Review E, 1997, 56, 6050-6064.	2.1	40
1083	Multistability of Three-Wave Parametric Self-Trapping. Physical Review Letters, 1997, 78, 3286-3289.	7.8	50
1084	Stable nonlinear heavy-mass impurity modes. Physical Review B, 1997, 55, 14265-14269.	3.2	19
1085	Symmetry-breaking instabilities of spatial parametric solitons. Physical Review E, 1997, 56, R4959-R4962.	2.1	23
1086	Polarized dark solitons in isotropic Kerr media. Physical Review E, 1997, 55, 4773-4782.	2.1	197
1087	Snake instability of one-dimensional parametric spatial solitons. Optics Letters, 1997, 22, 868.	3.3	38
1088	Modification of solitary waves by third-harmonic generation. Optics Letters, 1997, 22, 1385.	3.3	20
1089	Breathing spatial solitons in non-Kerr media. Optics Letters, 1997, 22, 1388.	3.3	34
1090	Bright spatial solitons in defocusing Kerr media supported by cascaded nonlinearities. Optics Letters, 1997, 22, 1680.	3.3	55
1091	Self-Focusing, Switching, and Spatial Solitons in Quasi-Phase-Matched Quadratic Media. Optics and Photonics News, 1997, 8, 28.	0.5	0
1092	Do Interacting Spatial Solitons Conserve Angular Momentum?. Optics and Photonics News, 1997, 8, 43.	0.5	10
1093	Observation of vortex solitons created by the instability of dark soliton stripes. Optics Letters, 1996, 21, 1129.	3.3	125
1094	Drift instability of dark solitons in saturable media. Optics Letters, 1996, 21, 1135.	3.3	16
1095	Vortex soliton motion and steering. Optics Letters, 1996, 21, 1649.	3.3	61
1096	Incoherently coupled darkâ€“bright photorefractive solitons. Optics Letters, 1996, 21, 1821.	3.3	113
1097	Effect of third-order dispersion on dark solitons. Optics Letters, 1996, 21, 1975.	3.3	37
1098	Soliton-based optical switching in waveguide arrays. Journal of the Optical Society of America B: Optical Physics, 1996, 13, 876.	2.1	172

#	Article	IF	Citations
1099	Nonlinear theory of oscillating, decaying, and collapsing solitons in the generalized nonlinear SchrÃ¶dinger equation. Physical Review E, 1996, 53, 1940-1953.	2.1	139
1100	Optical solitons with power-law asymptotics. Physical Review E, 1996, 54, 2936-2942.	2.1	49
1101	Instability-induced dynamics of dark solitons. Physical Review E, 1996, 54, 2015-2032.	2.1	72
1102	Coupling between dark and bright solitons. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 215, 57-62.	2.1	50
1103	Modulational instabilities and optical solitons due to competition of Ï‡(2) and Ï‡(3) nonlinearities. Optics Communications, 1996, 122, 200-211.	2.1	49
1104	Dark-like bright solitons. Optics Communications, 1996, 126, 348-356.	2.1	37
1105	Stability of Three-Wave Parametric Solitons in Diffractive Quadratic Media. Physical Review Letters, 1996, 77, 5210-5213.	7.8	104
1106	Multisoliton collisions in nearly integrable systems. Physical Review E, 1996, 54, R2244-R2247.	2.1	19
1107	Kink Drift in Oscillating Fields. Physical Review Letters, 1996, 77, 582-582.	7.8	22
1108	Solitons due to second harmonic generation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 197, 407-412.	2.1	189
1109	Average envelope soliton dynamics in systems with periodically varying dispersion. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 204, 269-273.	2.1	9
1110	Nonlinear dynamics and solitons in the presence of rapidly varying periodic perturbations. Chaos, Solitons and Fractals, 1995, 5, 2551-2569.	5.1	17
1111	Lagrangian approach for dark solitons. Optics Communications, 1995, 114, 353-362.	2.1	112
1112	Splitting of high-order spatial solitons under the action of two-photon absorption. Optics Communications, 1995, 116, 331-338.	2.1	28
1113	Self-guided beams in a diffractive Ï‡(2) medium: variational approach. Optics Communications, 1995, 118, 345-352.	2.1	89
1114	Gap solitons due to cascading. Physical Review E, 1995, 51, 1613-1615.	2.1	49
1115	Soliton pinning by long-range order in aperiodic systems. Physical Review E, 1995, 52, R2183-R2186.	2.1	26
1116	Pulse switching in nonlinear fiber directional couplers. Physical Review E, 1995, 51, 2527-2537.	2.1	93

#	Article	IF	Citations
1117	Reshaping-induced chaos suppression. Physical Review E, 1995, 51, 869-872.	2.1	14
1118	Self-trapping of light beams and parametric solitons in diffractive quadratic media. Physical Review A, 1995, 52, 1670-1674.	2.5	80
1119	Twin-hole dark solitons. Physical Review A, 1995, 51, R41-R44.	2.5	67
1120	Asymmetric impurity modes in nonlinear lattices. Physical Review B, 1995, 51, 3218-3221.	3.2	13
1121	Kinks and conformational defects in nonlinear chains. Physical Review E, 1995, 51, 3774-3777.	2.1	9
1122	Instability of Solitons Governed by Quadratic Nonlinearities. Physical Review Letters, 1995, 75, 591-595.	7.8	157
1123	Self-focusing of plane dark solitons in nonlinear defocusing media. Physical Review E, 1995, 51, 5016-5026.	2.1	159
1124	Dark solitons in dispersive quadratic media. Optics Letters, 1995, 20, 834.	3.3	28
1125	Spatial optical solitons governed by quadratic nonlinearity: erratum. Optics Letters, 1995, 20, 1080.	3.3	8
1126	Instabilities of dark solitons. Optics Letters, 1995, 20, 1527.	3.3	45
1127	Optical solitons supported by competing nonlinearities. Optics Letters, 1995, 20, 1961.	3.3	69
1128	Kinks in the presence of rapidly varying perturbations. Physical Review E, 1994, 49, 4542-4551.	2.1	22
1129	Perturbation-induced dynamics of dark solitons. Physical Review E, 1994, 49, 1657-1670.	2.1	144
1130	Modulational instabilities in the discrete deformable nonlinear SchrÃ¶dinger equation. Physical Review E, 1994, 49, 3543-3546.	2.1	67
1131	Concentration dependence of the conductivity and diffusivity in one-dimensional anharmonic lattices. Physical Review B, 1994, 50, 13388-13400.	3.2	14
1132	Dark solitons in discrete lattices. Physical Review E, 1994, 50, 5020-5032.	2.1	83
1133	Standing localized modes in nonlinear lattices. Physical Review E, 1994, 50, 3161-3170.	2.1	28
1134	Dynamics of dark solitons. Chaos, Solitons and Fractals, 1994, 4, 1745-1758.	5.1	28

#	Article	IF	Citations
1135	DNA promoters and nonlinear dynamics. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 193, 263-266.	2.1	44
1136	Dark solitons on backgrounds of finite extent. Optics Communications, 1994, 107, 93-98.	2.1	24
1137	Ring dark solitons. Physical Review E, 1994, 50, R40-R43.	2.1	90
1138	Spatiotemporal pulse collapse on periodic potentials. Physical Review E, 1994, 49, R2536-R2539.	2.1	21
1139	Is two-photon absorption a limitation to dark soliton switching?. Optics Letters, 1994, 19, 344.	3.3	10
1140	Spatial optical solitons governed by quadratic nonlinearity. Optics Letters, 1994, 19, 1612.	3.3	154
1141	Suppression of chaos by nonresonant parametric perturbations. Physical Review E, 1994, 49, 319-324.	2.1	62
1142	Localized modes in a chain with nonlinear on-site potential. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 173, 172-178.	2.1	89
1143	Kink-profile vibrational modes in one-dimensional nonlinear lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 178, 123-128.	2.1	12
1144	Switching dynamics of solitons in fiber directional couplers. Optics Letters, 1993, 18, 7.	3.3	65
1145	Vector dark solitons. Optics Letters, 1993, 18, 337.	3.3	123
1146	Raman-induced optical shocks in nonlinear fibers. Optics Letters, 1993, 18, 485.	3.3	57
1147	Influence of cross-phase modulation on soliton switching in nonlinear optical fibers. Optics Letters, 1993, 18, 980.	3.3	40
1148	Self-localization in arrays of defocusing waveguides. Optics Letters, 1993, 18, 1147.	3.3	157
1149	Peierls-Nabarro potential barrier for highly localized nonlinear modes. Physical Review E, 1993, 48, 3077-3081.	2.1	243
1150	Nonlinear dynamics of a parametrically driven sine-Gordon system. Physical Review B, 1993, 47, 5013-5021.	3.2	14
1151	Optical double layers. Physical Review A, 1993, 47, R3502-R3505.	2.5	11
1152	Creation of nonlinear localized modes in discrete lattices. Physical Review E, 1993, 48, 4132-4135.	2.1	44

#	Article	IF	Citations
1153	Nonlinear impurity modes in a lattice. Physical Review B, 1993, 47, 11167-11170.	3.2	10
1154	Fluxon interaction with external rf radiation in Josephson junctions. Physical Review B, 1993, 47, 5212-5218.	3.2	0
1155	Light-beam propagation at planar thin-film nonlinear waveguides. Physical Review A, 1993, 48, 4750-4757.	2.5	18
1156	Self-induced gap solitons. Physical Review Letters, 1993, 70, 3055-3058.	7.8	69
1157	Chaotic and phase-locked breather dynamics in the damped and parametrically driven sine-Gordon equation. Physical Review E, 1993, 48, 4791-4800.	2.1	19
1158	Intrinsic localized modes as solitons with a compact support. Physical Review E, 1993, 48, R43-R45.	2.1	86
1159	Strongly localized gap solitons in diatomic lattices. Physical Review E, 1993, 48, 4128-4131.	2.1	24
1160	Solitons on oscillating and rotating backgrounds. Physical Review Letters, 1993, 70, 3181-3185.	7.8	12
1161	Frenkel-Kontorova model with a transversal degree of freedom: Static properties of kinks. Physical Review B, 1993, 48, 3734-3743.	3.2	22
1162	Modulational instabilities and dark solitons in a generalized nonlinear SchrÃ¶dinger equation. Physica Scripta, 1993, 47, 679-681.	2.5	37
1163	Class of localized structures in nonlinear lattices. Physical Review B, 1992, 46, 8652-8654.	3.2	25
1164	Kink decay in a parametrically drivenÏ†4chain. Physical Review A, 1992, 45, 1207-1212.	2.5	19
1165	Kink propagation through disordered media. Physical Review A, 1992, 45, 8867-8873.	2.5	16
1166	Sine-Gordon kink-antikink generation on spatially periodic potentials. Physical Review A, 1992, 45, R5369-R5372.	2.5	26
1167	Gap solitons in diatomic lattices. Physical Review A, 1992, 46, 7972-7978.	2.5	85
1168	Modulational instabilities in discrete lattices. Physical Review A, 1992, 46, 3198-3205.	2.5	391
1169	Resonant kink-impurity interactions in the sine-Gordon model. Physical Review A, 1992, 45, 6019-6030.	2.5	128
1170	Resonant kink-impurity interactions in theÏ†4model. Physical Review A, 1992, 46, 5214-5220.	2.5	106

#	Article	IF	Citations
1171	Stable vector solitons composed of bright and dark pulses. Optics Letters, 1992, 17, 1322.	3.3	63
1172	Ï€ kinks in a parametrically driven sine-Gordon chain. Physical Review B, 1992, 45, 7789-7794.	3.2	21
1173	Hysteresis loop induced by rf radiation in Josephson junctions: an analytical approach. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 168, 391-399.	2.1	18
1174	Inverted kinks in ac driven damped sine-Gordon chains. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 171, 338-343.	2.1	9
1175	Lattice solitons on a standing carrier wave. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 171, 344-348.	2.1	4
1176	Propagation and scattering of nonlinear waves in disordered systems. Physics Reports, 1992, 216, 1-61.	25.6	145
1177	Scattering properties of envelope solitons in disordered systems: decay of localization effects by strong nonlinearity. Waves in Random and Complex Media, 1992, 2, 125-140.	1.5	2
1178	Dark optical solitons with reverse-sign amplitude. Physical Review A, 1991, 44, R1446-R1449.	2.5	73
1179	Decay of dark solitons due to the stimulated Raman effect. Optics Letters, 1991, 16, 285.	3.3	38
1180	Dark optical solitons near the zero-dispersion wavelength. Optics Letters, 1991, 16, 892.	3.3	25
1181	Kinks in the Klein-Gordon model with anharmonic interactions: a variational approach. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 157, 241-245.	2.1	26
1182	Kink capture by a local impurity in the sine-Gordon model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 159, 318-322.	2.1	22
1183	A new type of surface acoustic waves induced by nonlinearity. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 161, 77-79.	2.1	1
1184	Nonlinear localized modes in inhomogeneous chains. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 161, 80-84.	2.1	54
1185	Nonlinear surface elastic waves in a discrete model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 156, 155-162.	2.1	7
1186	Josephson-junction dynamics in the presence of a localized magnetic inhomogeneity. Physical Review B, 1991, 43, 5419-5424.	3.2	11
1187	Zigzag kinks in the Frenkel-Kontorova model with a transversal degree of freedom. Physical Review B, 1991, 44, 7694-7697.	3.2	29
1188	Nonlinear dynamics of the Frenkel-Kontorova model with impurities. Physical Review B, 1991, 43, 1060-1073.	3.2	85

#	Article	IF	Citations
1189	Solitons in a nonlinear elastic medium. Physical Review B, 1991, 43, 3493-3499.	3.2	13
1190	Addendum: Dynamics of solitons in nearly integrable systems. Reviews of Modern Physics, 1991, 63, 211-211.	45.6	12
1191	Resonant soliton-impurity interactions. Physical Review Letters, 1991, 67, 1177-1180.	7.8	148
1192	Creation of sine-Gordon solitons by a pulse force. Physical Review B, 1991, 43, 1098-1109.	3.2	13
1193	Nonlinear dynamics near the zero-dispersion point in optical fibers. Physical Review A, 1991, 43, 1677-1679.	2.5	68
1194	Soliton scattering by impurities in hydrogen-bonded chains. Physical Review A, 1991, 43, 3117-3123.	2.5	26
1195	Discreteness effects in the kink scattering by a mass impurity. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 149, 119-123.	2.1	20
1196	Supersolitons in layered Josephson structures. Physical Review B, 1990, 42, 2655-2658.	3.2	17
1197	Dark-soliton dynamics and shock waves induced by the stimulated Raman effect in optical fibers. Physical Review A, 1990, 42, 1757-1761.	2.5	94
1198	Dynamics of domain walls in elastic ferromagnets and ferroelectrics. Physical Review B, 1990, 42, 8561-8570.	3.2	12
1199	Perturbation-induced dynamics of small-amplitude dark optical solitons. Optics Letters, 1990, 15, 1273.	3.3	11
1200	Interaction of a fluxon with an inductance step in a long Josephson junction. Journal of Applied Physics, 1989, 65, 879-881.	2.5	8
1201	Perturbation theory based on the Riemann problem for the Landau-Lifshitz equation. Physica D: Nonlinear Phenomena, 1989, 40, 11-32.	2.8	18
1202	Solitons in a system of coupled Korteweg-de Vries equations. Wave Motion, 1989, 11, 261-269.	2.0	14
1203	Dark-soliton generation in optical fibers. Optics Letters, 1989, 14, 1281.	3.3	31
1204	Interaction of solitons in tunnel-coupled optical fibers. Optics Letters, 1989, 14, 1365.	3.3	42
1205	Dynamics of solitons in nearly integrable systems. Reviews of Modern Physics, 1989, 61, 763-915.	45.6	1,529
1206	Interaction of a fluxon with a local inhomogeneity in a long Josephson junction. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 129, 443-448.	2.1	19

#	Article	IF	Citations
1207	Comment on "Nonexistence of Small-Amplitude Breather Solutions inÏ†4Theory". Physical Review Letters, 1988, 60, 164-164.	7.8	13
1208	Dynamics of fluxons in a system of coupled Josephson junctions. Physical Review B, 1988, 37, 9325-9330.	3.2	98
1209	On Dynamics of Soliton Excitations in Coupled Chains. Journal of the Physical Society of Japan, 1988, 57, 4232-4241.	1.6	7
1210	Many-particle effects in nearly integrable systems. Physica D: Nonlinear Phenomena, 1987, 24, 125-154.	2.8	18
1211	Radiative and inelastic effects in dynamics of double sine-gordon solitons. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 122, 245-248.	2.1	9
1212	Three-particle and inelastic effects in the interaction of conservatively perturbed nonlinear SchrÃ¶dinger equation solitons. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 115, 377-380.	2.1	14
1213	Three-particle and inelastic effects in the interaction of conservatively perturbed sine-Gordon equation kinks. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 115, 381-384.	2.1	17
1214	Many-fluxon kinetics in an inhomogeneous damped dc driven Josephson junction. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 119, 237-240.	2.1	7
1215	Radiative losses in collisions of two fluxons in dc driven damped Josephson junctions. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 118, 85-88.	2.1	4
1216	Radiative breaking of a kink in a periodic lattice of impurities. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 111, 427-429.	2.1	22
1217	Manipulating second-harmonic light from semiconductor nanocrystals. SPIE Newsroom, 0, , .	0.1	1