

# Yuri S Kivshar

## List of Publications by Year in descending order

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1,217  
papers

83,014  
citations

356

136  
h-index

877

243  
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1226  
all docs

1226  
docs citations

1226  
times ranked

27606  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fano resonances in nanoscale structures. <i>Reviews of Modern Physics</i> , 2010, 82, 2257-2298.	45.6	2,434
2	Optically resonant dielectric nanostructures. <i>Science</i> , 2016, 354, .	12.6	2,086
3	From metamaterials to metadevices. <i>Nature Materials</i> , 2012, 11, 917-924.	27.5	1,769
4	Hyperbolic metamaterials. <i>Nature Photonics</i> , 2013, 7, 948-957.	31.4	1,763
5	Dynamics of solitons in nearly integrable systems. <i>Reviews of Modern Physics</i> , 1989, 61, 763-915.	45.6	1,529
6	Fano resonances in photonics. <i>Nature Photonics</i> , 2017, 11, 543-554.	31.4	1,240
7	Wide-band negative permeability of nonlinear metamaterials. <i>Scientific Reports</i> , 2012, 2, 1-4.	3.3	1,152
8	Dark optical solitons: physics and applications. <i>Physics Reports</i> , 1998, 298, 81-197.	25.6	1,119
9	High-efficiency Dielectric Huygens' Surfaces. <i>Advanced Optical Materials</i> , 2015, 3, 813-820.	7.3	1,045
10	Metasurfaces: From microwaves to visible. <i>Physics Reports</i> , 2016, 634, 1-72.	25.6	998
11	Asymmetric Metasurfaces with High- $Q$ Resonances Governed by Bound States in the Continuum. <i>Physical Review Letters</i> , 2018, 121, 193903.	7.8	983
12	Tailoring Directional Scattering through Magnetic and Electric Resonances in Subwavelength Silicon Nanodisks. <i>ACS Nano</i> , 2013, 7, 7824-7832.	14.6	917
13	Imaging-based molecular barcoding with pixelated dielectric metasurfaces. <i>Science</i> , 2018, 360, 1105-1109.	12.6	726
14	Nonradiating anapole modes in dielectric nanoparticles. <i>Nature Communications</i> , 2015, 6, 8069.	12.8	702
15	Subwavelength dielectric resonators for nonlinear nanophotonics. <i>Science</i> , 2020, 367, 288-292.	12.6	575
16	Nonlinear dynamics of the Frenkel-Kontorova model. <i>Physics Reports</i> , 1998, 306, 1-108.	25.6	560
17	Ultrasensitive hyperspectral imaging and biodetection enabled by dielectric metasurfaces. <i>Nature Photonics</i> , 2019, 13, 390-396.	31.4	546
18	Enhanced Third-Harmonic Generation in Silicon Nanoparticles Driven by Magnetic Response. <i>Nano Letters</i> , 2014, 14, 6488-6492.	9.1	522

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19	Nonlinear Properties of Left-Handed Metamaterials. <i>Physical Review Letters</i> , 2003, 91, 037401.	7.8	518
20	All-dielectric optical nanoantennas. <i>Optics Express</i> , 2012, 20, 20599.	3.4	490
21	High- $Q$ Supercavity Modes in Subwavelength Dielectric Resonators. <i>Physical Review Letters</i> , 2017, 119, 243901.	7.8	474
22	Functional Meta-Optics and Nanophotonics Governed by Mie Resonances. <i>ACS Photonics</i> , 2017, 4, 2638-2649.	6.6	467
23	Ultrafast control of vortex microlasers. <i>Science</i> , 2020, 367, 1018-1021.	12.6	457
24	Observation of non-Hermitian degeneracies in a chaotic exciton-polariton billiard. <i>Nature</i> , 2015, 526, 554-558.	27.8	422
25	Observation of Discrete Vortex Solitons in Optically Induced Photonic Lattices. <i>Physical Review Letters</i> , 2004, 92, 123903.	7.8	418
26	Light propagation and localization in modulated photonic lattices and waveguides. <i>Physics Reports</i> , 2012, 518, 1-79.	25.6	405
27	Functional and nonlinear optical metasurfaces. <i>Laser and Photonics Reviews</i> , 2015, 9, 195-213.	8.7	403
28	Modulational instabilities in discrete lattices. <i>Physical Review A</i> , 1992, 46, 3198-3205.	2.5	391
29	Self-focusing and transverse instabilities of solitary waves. <i>Physics Reports</i> , 2000, 331, 117-195.	25.6	385
30	Ultrafast All-Optical Switching with Magnetic Resonances in Nonlinear Dielectric Nanostructures. <i>Nano Letters</i> , 2015, 15, 6985-6990.	9.1	362
31	Magnetic and Electric Hotspots with Silicon Nanodimers. <i>Nano Letters</i> , 2015, 15, 2137-2142.	9.1	361
32	Optical vortices and vortex solitons. <i>Progress in Optics</i> , 2005, 47, 291-391.	0.6	356
33	Spatial solitons in optically induced gratings. <i>Optics Letters</i> , 2003, 28, 710.	3.3	352
34	Colloquium: Nonlinear metamaterials. <i>Reviews of Modern Physics</i> , 2014, 86, 1093-1123.	45.6	348
35	Polarization-Independent Silicon Metadevices for Efficient Optical Wavefront Control. <i>Nano Letters</i> , 2015, 15, 5369-5374.	9.1	344
36	Nonlinear topological photonics. <i>Applied Physics Reviews</i> , 2020, 7, .	11.3	344

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37	Active Tuning of All-Dielectric Metasurfaces. ACS Nano, 2015, 9, 4308-4315.	14.6	340
38	Generation and Near-Field Imaging of Airy Surface Plasmons. Physical Review Letters, 2011, 107, 116802.	7.8	332
39	Wire Metamaterials: Physics and Applications. Advanced Materials, 2012, 24, 4229-4248.	21.0	330
40	Meta-optics and bound states in the continuum. Science Bulletin, 2019, 64, 836-842.	9.0	325
41	Invited Article: Broadband highly efficient dielectric metadevices for polarization control. APL Photonics, 2016, 1, .	5.7	320
42	Nonradiating photonics with resonant dielectric nanostructures. Nanophotonics, 2019, 8, 725-745.	6.0	310
43	Generalized Kerker effects in nanophotonics and meta-optics [Invited]. Optics Express, 2018, 26, 13085.	3.4	298
44	Fano Resonances in All-Dielectric Oligomers. Nano Letters, 2012, 12, 6459-6463.	9.1	295
45	Angle-multiplexed all-dielectric metasurfaces for broadband molecular fingerprint retrieval. Science Advances, 2019, 5, eaaw2871.	10.3	294
46	Grayscale transparent metasurface holograms. Optica, 2016, 3, 1504.	9.3	290
47	Nonlinear switching and solitons in PT-symmetric photonic systems. Laser and Photonics Reviews, 2016, 10, 177-213.	8.7	288
48	Nonlinear Metasurfaces Governed by Bound States in the Continuum. ACS Photonics, 2019, 6, 1639-1644.	6.6	286
49	Giant Nonlinear Response at the Nanoscale Driven by Bound States in the Continuum. Physical Review Letters, 2018, 121, 033903.	7.8	284
50	Multipolar nonlinear nanophotonics. Optica, 2016, 3, 1241.	9.3	280
51	Nonlinear surface waves in left-handed materials. Physical Review E, 2004, 69, 016617.	2.1	278
52	Broadband Unidirectional Scattering by Magneto-Electric Core-Shell Nanoparticles. ACS Nano, 2012, 6, 5489-5497.	14.6	277
53	Hyperbolic metamaterials based on multilayer graphene structures. Physical Review B, 2013, 87, .	3.2	267
54	Laguerre and Hermite Soliton Clusters in Nonlocal Nonlinear Media. Physical Review Letters, 2007, 98, 053901.	7.8	262

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55	Giant Optical Manipulation. Physical Review Letters, 2010, 105, 118103.	7.8	261
56	Three-dimensional all-dielectric photonic topological insulator. Nature Photonics, 2017, 11, 130-136.	31.4	257
57	Tunable split-ring resonators for nonlinear negative-index metamaterials. Optics Express, 2006, 14, 9344.	3.4	252
58	Dynamic Beam Switching by Liquid Crystal Tunable Dielectric Metasurfaces. ACS Photonics, 2018, 5, 1742-1748.	6.6	248
59	Bloch Oscillations and Zener Tunneling in Two-Dimensional Photonic Lattices. Physical Review Letters, 2006, 96, 053903.	7.8	247
60	Bound states in the continuum and Fano resonances in the strong mode coupling regime. Advanced Photonics, 2019, 1, 1.	11.8	247
61	Peierls-Nabarro potential barrier for highly localized nonlinear modes. Physical Review E, 1993, 48, 3077-3081.	2.1	243
62	Nonlinear Generation of Vector Beams From AlGaAs Nanoantennas. Nano Letters, 2016, 16, 7191-7197.	9.1	237
63	Giant Goos-Hänchen effect at the reflection from left-handed metamaterials. Applied Physics Letters, 2003, 83, 2713-2715.	3.3	236
64	Nonlinear suppression of time reversals in $PT$ -symmetric optical couplers. Physical Review A, 2010, 82, .	2.5	236
65	Bose-Einstein condensates in optical lattices: Band-gap structure and solitons. Physical Review A, 2003, 67, .	2.5	235
66	Stable vortex solitons in nonlocal self-focusing nonlinear media. Physical Review E, 2005, 71, 065603.	2.1	230
67	Magnetoelastic metamaterials. Nature Materials, 2012, 11, 30-33.	27.5	229
68	Photonic spin Hall effect in hyperbolic metamaterials for polarization-controlled routing of subwavelength modes. Nature Communications, 2014, 5, 3226.	12.8	229
69	Efficient Polarization-Insensitive Complex Wavefront Control Using Huygens's Metasurfaces Based on Dielectric Resonant Meta-atoms. ACS Photonics, 2016, 3, 514-519.	6.6	229
70	Quantum metasurface for multiphoton interference and state reconstruction. Science, 2018, 361, 1104-1108.	12.6	227
71	Optical guiding of absorbing nanoclusters in air. Optics Express, 2009, 17, 5743.	3.4	222
72	Electrically tunable all-dielectric optical metasurfaces based on liquid crystals. Applied Physics Letters, 2017, 110, .	3.3	221

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73	Dielectric Resonant Metaphotonics. ACS Photonics, 2021, 8, 102-112.	6.6	214
74	Bound States in the Continuum in Anisotropic Plasmonic Metasurfaces. Nano Letters, 2020, 20, 6351-6356.	9.1	212
75	All-Dielectric Active Terahertz Photonics Driven by Bound States in the Continuum. Advanced Materials, 2019, 31, e1901921.	21.0	210
76	Metasurfaces with Maximum Chirality Empowered by Bound States in the Continuum. Physical Review Letters, 2020, 125, 093903.	7.8	207
77	Optical solitons in $PT$ -symmetric nonlinear couplers with gain and loss. Physical Review A, 2012, 85, .	2.5	201
78	Metasurfaces for quantum photonics. Nature Photonics, 2021, 15, 327-336.	31.4	198
79	Polarized dark solitons in isotropic Kerr media. Physical Review E, 1997, 55, 4773-4782.	2.1	197
80	Engineered optical nonlocality in nanostructured metamaterials. Physical Review B, 2011, 84, .	3.2	195
81	Internal Modes of Solitary Waves. Physical Review Letters, 1998, 80, 5032-5035.	7.8	192
82	Nonlinear modes of a macroscopic quantum oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 278, 225-230.	2.1	191
83	Solitons due to second harmonic generation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 197, 407-412.	2.1	189
84	Second-harmonic generation in nonlinear left-handed metamaterials. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 529.	2.1	188
85	Photophoretic manipulation of absorbing aerosol particles with vortex beams: theory versus experiment. Optics Express, 2009, 17, 8201.	3.4	188
86	Noninterleaved Metasurface for $(2\ell-1)$ Spin- and Wavelength-Encoded Holograms. Nano Letters, 2018, 18, 8016-8024.	9.1	187
87	Nonlinear light generation in topological nanostructures. Nature Nanotechnology, 2019, 14, 126-130.	31.5	187
88	Observation of Surface Gap Solitons in Semi-Infinite Waveguide Arrays. Physical Review Letters, 2006, 97, 083901.	7.8	186
89	Optical Anapoles: Concepts and Applications. Advanced Optical Materials, 2019, 7, 1801350.	7.3	186
90	Anapole nanolasers for mode-locking and ultrafast pulse generation. Nature Communications, 2017, 8, 15535.	12.8	184

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91	Nonlinearly $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mi mathvariant="script">PT} \rangle \langle \text{mml:math} \rangle$ -symmetric systems: Spontaneous symmetry breaking and transmission resonances. Physical Review A, 2011, 84, .	2.5	183
92	One-Way Extraordinary Optical Transmission and Nonreciprocal Spoof Plasmons. Physical Review Letters, 2010, 105, 126804.	7.8	182
93	Ultralow-threshold laser using super-bound states in the continuum. Nature Communications, 2021, 12, 4135.	12.8	181
94	Surface Bound States in the Continuum. Physical Review Letters, 2012, 108, 070401.	7.8	180
95	Nonlinear Wavefront Control with All-Dielectric Metasurfaces. Nano Letters, 2018, 18, 3978-3984.	9.1	180
96	Water: Promising Opportunities For Tunable All-dielectric Electromagnetic Metamaterials. Scientific Reports, 2015, 5, 13535.	3.3	176
97	Multifold Enhancement of Third-Harmonic Generation in Dielectric Nanoparticles Driven by Magnetic Fano Resonances. Nano Letters, 2016, 16, 4857-4861.	9.1	176
98	Compact Surface Fano States Embedded in the Continuum of Waveguide Arrays. Physical Review Letters, 2013, 111, 240403.	7.8	175
99	Matter-Wave Gap Solitons in Atomic Band-Gap Structures. Physical Review Letters, 2003, 90, 160407.	7.8	173
100	Ring Dark Solitons and Vortex Necklaces in Bose-Einstein Condensates. Physical Review Letters, 2003, 90, 120403.	7.8	173
101	All-dielectric meta-optics and non-linear nanophotonics. National Science Review, 2018, 5, 144-158.	9.5	173
102	Soliton-based optical switching in waveguide arrays. Journal of the Optical Society of America B: Optical Physics, 1996, 13, 876.	2.1	172
103	Stable rotating dipole solitons in nonlocal optical media. Optics Letters, 2006, 31, 1100.	3.3	172
104	Multipolar origin of bound states in the continuum. Physical Review B, 2019, 100, .	3.2	168
105	Suppression of thermal conductivity in graphene nanoribbons with rough edges. Physical Review B, 2010, 82, .	3.2	166
106	Superdirective dielectric nanoantennas. Nanoscale, 2014, 6, 7354-7361.	5.6	165
107	Observation of Fano Resonances in All-Dielectric Nanoparticle Oligomers. Small, 2014, 10, 1985-1990.	10.0	164
108	Self-Trapping and Stable Localized Modes in Nonlinear Photonic Crystals. Physical Review Letters, 2001, 86, 5474-5477.	7.8	163

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109	Electro-optical switching by liquid-crystal controlled metasurfaces. <i>Optics Express</i> , 2013, 21, 8879.	3.4	163
110	Coupled-mode theory for Bose-Einstein condensates. <i>Physical Review A</i> , 2000, 61, .	2.5	160
111	An antenna model for the Purcell effect. <i>Scientific Reports</i> , 2015, 5, 12956.	3.3	160
112	Enhancement of Magnetic Resonance Imaging with Metasurfaces. <i>Advanced Materials</i> , 2016, 28, 1832-1838.	21.0	160
113	Self-focusing of plane dark solitons in nonlinear defocusing media. <i>Physical Review E</i> , 1995, 51, 5016-5026.	2.1	159
114	Azimuthons: Spatially Modulated Vortex Solitons. <i>Physical Review Letters</i> , 2005, 95, 203904.	7.8	158
115	Light-Induced Tuning and Reconfiguration of Nanophotonic Structures. <i>Laser and Photonics Reviews</i> , 2017, 11, 1700108.	8.7	158
116	Self-localization in arrays of defocusing waveguides. <i>Optics Letters</i> , 1993, 18, 1147.	3.3	157
117	Instability of Solitons Governed by Quadratic Nonlinearities. <i>Physical Review Letters</i> , 1995, 75, 591-595.	7.8	157
118	Metasurface Engineering through Bound States in the Continuum. <i>Physical Review Applied</i> , 2019, 12, .	3.8	157
119	Spatial Solitons and Induced Kerr Effects in Quasi-Phase-Matched Quadratic Media. <i>Physical Review Letters</i> , 1997, 78, 4749-4752.	7.8	156
120	Quasi-BIC Resonant Enhancement of Second-Harmonic Generation in WS <sub>2</sub> Monolayers. <i>Nano Letters</i> , 2020, 20, 5309-5314.	9.1	156
121	Spatial optical solitons governed by quadratic nonlinearity. <i>Optics Letters</i> , 1994, 19, 1612.	3.3	154
122	Meta-Optics with Mie Resonances. <i>Optics and Photonics News</i> , 2017, 28, 24.	0.5	154
123	Transverse Scattering and Generalized Kerker Effects in All-Dielectric Mie-Resonant Metaoptics. <i>Physical Review Letters</i> , 2019, 122, 193905.	7.8	152
124	Efficient Second-Harmonic Generation in Nanocrystalline Silicon Nanoparticles. <i>Nano Letters</i> , 2017, 17, 3047-3053.	9.1	150
125	Resonant soliton-impurity interactions. <i>Physical Review Letters</i> , 1991, 67, 1177-1180.	7.8	148
126	Reversible Thermal Tuning of All-Dielectric Metasurfaces. <i>Advanced Functional Materials</i> , 2017, 27, 1700580.	14.9	146



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127	Halide-Perovskite Resonant Nanophotonics. <i>Advanced Optical Materials</i> , 2019, 7, 1800784.	7.3	146
128	Propagation and scattering of nonlinear waves in disordered systems. <i>Physics Reports</i> , 1992, 216, 1-61.	25.6	145
129	Perturbation-induced dynamics of dark solitons. <i>Physical Review E</i> , 1994, 49, 1657-1670.	2.1	144
130	Structural tunability in metamaterials. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	144
131	Subwavelength Topological Edge States in Optically Resonant Dielectric Structures. <i>Physical Review Letters</i> , 2015, 114, 123901.	7.8	144
132	Third-Harmonic Generation in Photonic Topological Metasurfaces. <i>Physical Review Letters</i> , 2019, 123, 103901.	7.8	144
133	Polychromatic dynamic localization in curved photonic lattices. <i>Nature Physics</i> , 2009, 5, 271-275.	16.7	143
134	Goos-Hänchen and Imbert-Fedorov shifts of polarized vortex beams. <i>Optics Letters</i> , 2009, 34, 389.	3.3	143
135	Spontaneous radiation of a finite-size dipole emitter in hyperbolic media. <i>Physical Review A</i> , 2011, 84, .	2.5	143
136	Nonlinear theory of oscillating, decaying, and collapsing solitons in the generalized nonlinear Schrödinger equation. <i>Physical Review E</i> , 1996, 53, 1940-1953.	2.1	139
137	Topological Majorana States in Zigzag Chains of Plasmonic Nanoparticles. <i>ACS Photonics</i> , 2014, 1, 101-105.	6.6	138
138	All-Dielectric Resonant Meta-Optics Lightens up. <i>ACS Photonics</i> , 2019, 6, 802-814.	6.6	137
139	Imaging-based spectrometer-less optofluidic biosensors based on dielectric metasurfaces for detecting extracellular vesicles. <i>Nature Communications</i> , 2021, 12, 3246.	12.8	137
140	Spatially engineered polarization states and optical vortices in uniaxial crystals. <i>Optics Express</i> , 2010, 18, 10848.	3.4	134
141	Multipolar response of nonspherical silicon nanoparticles in the visible and near-infrared spectral ranges. <i>Physical Review B</i> , 2017, 96, .	3.2	134
142	Single-Mode Lasing from Imprinted Halide-Perovskite Microdisks. <i>ACS Nano</i> , 2019, 13, 4140-4147.	14.6	134
143	Light-Emitting Halide Perovskite Nanoantennas. <i>Nano Letters</i> , 2018, 18, 1185-1190.	9.1	132
144	All-Dielectric Resonant Metasurfaces with a Strong Toroidal Response. <i>ACS Photonics</i> , 2018, 5, 1871-1876.	6.6	132

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145	Multipolar lasing modes from topological corner states. Nature Communications, 2020, 11, 5758.	12.8	132
146	Multifold Emission Enhancement in Nanoimprinted Hybrid Perovskite Metasurfaces. ACS Photonics, 2017, 4, 728-735.	6.6	131
147	Planar chiral metasurfaces with maximal and tunable chiroptical response driven by bound states in the continuum. Nature Communications, 2022, 13, .	12.8	131
148	Beam shaping by a periodic structure with negative refraction. Applied Physics Letters, 2003, 82, 3820-3822.	3.3	130
149	Binary parity-time-symmetric nonlinear lattices with balanced gain and loss. Optics Letters, 2010, 35, 2976.	3.3	130
150	Plasmonic Airy beam manipulation in linear optical potentials. Optics Letters, 2011, 36, 1164.	3.3	130
151	Supercavity lasing. Nature, 2017, 541, 164-165.	27.8	130
152	Highly sensitive biosensors based on all-dielectric nanoresonators. Nanoscale, 2017, 9, 4972-4980.	5.6	129
153	Quo Vadis, Metasurfaces?. Nano Letters, 2021, 21, 5461-5474.	9.1	129
154	Resonant kink-impurity interactions in the sine-Gordon model. Physical Review A, 1992, 45, 6019-6030.	2.5	128
155	Liquid crystal based nonlinear fishnet metamaterials. Applied Physics Letters, 2012, 100, .	3.3	128
156	Resonant Raman scattering from silicon nanoparticles enhanced by magnetic response. Nanoscale, 2016, 8, 9721-9726.	5.6	128
157	Internal modes of envelope solitons. Physica D: Nonlinear Phenomena, 1998, 116, 121-142.	2.8	126
158	Metamaterial tuning by manipulation of near-field interaction. Physical Review B, 2010, 82, .	3.2	126
159	Multipole analysis of dielectric metasurfaces composed of nonspherical nanoparticles and lattice invisibility effect. Physical Review B, 2019, 99, .	3.2	126
160	Observation of vortex solitons created by the instability of dark soliton stripes. Optics Letters, 1996, 21, 1129.	3.3	125
161	Observation of Dipole-Mode Vector Solitons. Physical Review Letters, 2000, 85, 1424-1427.	7.8	125
162	Stability of Multihump Optical Solitons. Physical Review Letters, 1999, 83, 296-299.	7.8	124

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163	Bistable diode action in left-handed periodic structures. <i>Physical Review E</i> , 2005, 71, 037602.	2.1	124
164	Generation of Second-Harmonic Conical Waves via Nonlinear Bragg Diffraction. <i>Physical Review Letters</i> , 2008, 100, 103902.	7.8	124
165	Pseudo-Parity-Time Symmetry in Optical Systems. <i>Physical Review Letters</i> , 2013, 110, 243902.	7.8	124
166	Nonlinear Interference and Tailorable Third-Harmonic Generation from Dielectric Oligomers. <i>ACS Photonics</i> , 2015, 2, 578-582.	6.6	124
167	Vector dark solitons. <i>Optics Letters</i> , 1993, 18, 337.	3.3	123
168	Phase diagram for the transition from photonic crystals to dielectric metamaterials. <i>Nature Communications</i> , 2015, 6, 10102.	12.8	122
169	Determination of topological charges of polychromatic optical vortices. <i>Optics Express</i> , 2009, 17, 23374.	3.4	121
170	Dipole-Mode Vector Solitons. <i>Physical Review Letters</i> , 2000, 85, 82-85.	7.8	120
171	Discrete solitons and nonlinear surface modes in semi-infinite waveguide arrays. <i>Optics Letters</i> , 2006, 31, 1693.	3.3	120
172	Shaping Photoluminescence Spectra with Magnetoelectric Resonances in All-Dielectric Nanoparticles. <i>ACS Photonics</i> , 2015, 2, 172-177.	6.6	120
173	Dynamics of optical spin-orbit coupling in uniaxial crystals. <i>Optics Letters</i> , 2009, 34, 1021.	3.3	119
174	Experimental verification of the concept of all-dielectric nanoantennas. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	119
175	Manipulating polarization of light with ultrathin epsilon-near-zero metamaterials. <i>Optics Express</i> , 2013, 21, 14907.	3.4	119
176	Revisiting the physics of Fano resonances for nanoparticle oligomers. <i>Physical Review A</i> , 2013, 88, .	2.5	119
177	Substrate-Induced Resonant Magnetoelectric Effects for Dielectric Nanoparticles. <i>ACS Photonics</i> , 2015, 2, 1423-1428.	6.6	119
178	Tunable transmission and harmonic generation in nonlinear metamaterials. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	118
179	Nonlinear Fano resonance and bistable wave transmission. <i>Physical Review E</i> , 2005, 71, 036626.	2.1	114
180	Light Scattering by a Finite Obstacle and Fano Resonances. <i>Physical Review Letters</i> , 2008, 100, 043903.	7.8	114

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181	Incoherently coupled dark and bright photorefractive solitons. <i>Optics Letters</i> , 1996, 21, 1821.	3.3	113
182	Necklace-Ring Vector Solitons. <i>Physical Review Letters</i> , 2001, 87, 033901.	7.8	113
183	Magnetic hyperbolic optical metamaterials. <i>Nature Communications</i> , 2016, 7, 11329.	12.8	113
184	Lagrangian approach for dark solitons. <i>Optics Communications</i> , 1995, 114, 353-362.	2.1	112
185	Discrete gap solitons in modulated waveguide arrays. <i>Optics Letters</i> , 2002, 27, 2112.	3.3	112
186	Spiraling multivortex solitons in nonlocal nonlinear media. <i>Optics Letters</i> , 2008, 33, 198.	3.3	112
187	Optical Yagi-Uda nanoantennas. <i>Nanophotonics</i> , 2012, 1, 65-81.	6.0	112
188	Electromagnetic wave analogue of an electronic diode. <i>New Journal of Physics</i> , 2011, 13, 033025.	2.9	111
189	Magnetoelectric Effects in Local Light-Matter Interactions. <i>Physical Review Letters</i> , 2014, 113, 033601.	7.8	111
190	Hybrid anapole modes of high-index dielectric nanoparticles. <i>Physical Review A</i> , 2017, 95, .	2.5	111
191	Active Tuning of Spontaneous Emission by Mie-Resonant Dielectric Metasurfaces. <i>Nano Letters</i> , 2018, 18, 3461-3465.	9.1	111
192	Complete Band Gaps in One-Dimensional Left-Handed Periodic Structures. <i>Physical Review Letters</i> , 2005, 95, 193903.	7.8	110
193	Discreteness-Induced Oscillatory Instabilities of Dark Solitons. <i>Physical Review Letters</i> , 1999, 82, 85-88.	7.8	109
194	Nonlinear magnetic metamaterials. <i>Optics Express</i> , 2008, 16, 20266.	3.4	109
195	Nonlinear Nanofocusing in Tapered Plasmonic Waveguides. <i>Physical Review Letters</i> , 2010, 105, 116804.	7.8	108
196	Multidimensional phase singularities in nanophotonics. <i>Science</i> , 2021, 374, eabj0039.	12.6	108
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