

Andrey E Miroshnichenko

List of Publications by Year in descending order

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381
papers

23,264
citations

12303

69
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8835

145
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387
all docs

387
docs citations

387
times ranked

11585
citing authors

#	ARTICLE	IF	CITATIONS
1	Fano resonances in nanoscale structures. <i>Reviews of Modern Physics</i> , 2010, 82, 2257-2298.	16.4	2,434
2	Optically resonant dielectric nanostructures. <i>Science</i> , 2016, 354, .	6.0	2,086
3	Magnetic light. <i>Scientific Reports</i> , 2012, 2, 492.	1.6	939
4	Tailoring Directional Scattering through Magnetic and Electric Resonances in Subwavelength Silicon Nanodisks. <i>ACS Nano</i> , 2013, 7, 7824-7832.	7.3	917
5	Directional visible light scattering by silicon nanoparticles. <i>Nature Communications</i> , 2013, 4, 1527.	5.8	908
6	Nonradiating anapole modes in dielectric nanoparticles. <i>Nature Communications</i> , 2015, 6, 8069.	5.8	702
7	Enhanced Third-Harmonic Generation in Silicon Nanoparticles Driven by Magnetic Response. <i>Nano Letters</i> , 2014, 14, 6488-6492.	4.5	522
8	All-dielectric optical nanoantennas. <i>Optics Express</i> , 2012, 20, 20599.	1.7	490
9	Functional and nonlinear optical metasurfaces. <i>Laser and Photonics Reviews</i> , 2015, 9, 195-213.	4.4	403
10	Ultrafast All-Optical Switching with Magnetic Resonances in Nonlinear Dielectric Nanostructures. <i>Nano Letters</i> , 2015, 15, 6985-6990.	4.5	362
11	Invited Article: Broadband highly efficient dielectric metadevices for polarization control. <i>APL Photonics</i> , 2016, 1, .	3.0	320
12	Fano Resonances in All-Dielectric Oligomers. <i>Nano Letters</i> , 2012, 12, 6459-6463.	4.5	295
13	Broadband Unidirectional Scattering by Magneto-Electric Core-Shell Nanoparticles. <i>ACS Nano</i> , 2012, 6, 5489-5497.	7.3	277
14	Dynamic Beam Switching by Liquid Crystal Tunable Dielectric Metasurfaces. <i>ACS Photonics</i> , 2018, 5, 1742-1748.	3.2	248
15	Nonlinear Generation of Vector Beams From AlGaAs Nanoantennas. <i>Nano Letters</i> , 2016, 16, 7191-7197.	4.5	237
16	Electrically tunable all-dielectric optical metasurfaces based on liquid crystals. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	221
17	Generalized Brewster effect in dielectric metasurfaces. <i>Nature Communications</i> , 2016, 7, 10362.	5.8	218
18	Optical nanoantennas. <i>Physics-Usppekhi</i> , 2013, 56, 539-564.	0.8	207

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19	Highly sensitive selectively coated photonic crystal fiber-based plasmonic sensor. Optics Letters, 2018, 43, 891.	1.7	189
20	Anapole nanolasers for mode-locking and ultrafast pulse generation. Nature Communications, 2017, 8, 15535.	5.8	184
21	Nonlinearly PT -symmetric systems: Spontaneous symmetry breaking and transmission resonances. Physical Review A, 2011, 84, .	1.0	183
22	Surface Bound States in the Continuum. Physical Review Letters, 2012, 108, 070401.	2.9	180
23	Multifold Enhancement of Third-Harmonic Generation in Dielectric Nanoparticles Driven by Magnetic Fano Resonances. Nano Letters, 2016, 16, 4857-4861.	4.5	176
24	Compact Surface Fano States Embedded in the Continuum of Waveguide Arrays. Physical Review Letters, 2013, 111, 240403.	2.9	175
25	Dynamic Nonlinear Image Tuning through Magnetic Dipole Quasi-BIC Ultrathin Resonators. Advanced Science, 2019, 6, 1802119.	5.6	174
26	Toroidal dipole bound states in the continuum. Physical Review B, 2018, 98, .	1.1	170
27	Observation of Fano Resonances in All-Dielectric Nanoparticle Oligomers. Small, 2014, 10, 1985-1990.	5.2	164
28	Electro-optical switching by liquid-crystal controlled metasurfaces. Optics Express, 2013, 21, 8879.	1.7	163
29	An antenna model for the Purcell effect. Scientific Reports, 2015, 5, 12956.	1.6	160
30	Meta-Optics with Mie Resonances. Optics and Photonics News, 2017, 28, 24.	0.4	154
31	Reversible Thermal Tuning of All-Dielectric Metasurfaces. Advanced Functional Materials, 2017, 27, 1700580.	7.8	146
32	Subwavelength Topological Edge States in Optically Resonant Dielectric Structures. Physical Review Letters, 2015, 114, 123901.	2.9	144
33	The High-Order Toroidal Moments and Anapole States in All-Dielectric Photonics. Laser and Photonics Reviews, 2019, 13, 1800266.	4.4	144
34	Topological Majorana States in Zigzag Chains of Plasmonic Nanoparticles. ACS Photonics, 2014, 1, 101-105.	3.2	138
35	Ideal Magnetic Dipole Scattering. Physical Review Letters, 2017, 118, 173901.	2.9	133
36	Plasmonic Airy beam manipulation in linear optical potentials. Optics Letters, 2011, 36, 1164.	1.7	130

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37	Boosting third-harmonic generation by a mirror-enhanced anapole resonator. <i>Light: Science and Applications</i> , 2018, 7, 44.	7.7	127
38	Nonlinear Interference and Tailorable Third-Harmonic Generation from Dielectric Oligomers. <i>ACS Photonics</i> , 2015, 2, 578-582.	3.2	124
39	Revisiting the physics of Fano resonances for nanoparticle oligomers. <i>Physical Review A</i> , 2013, 88, .	1.0	119
40	Substrate-Induced Resonant Magnetolectric Effects for Dielectric Nanoparticles. <i>ACS Photonics</i> , 2015, 2, 1423-1428.	3.2	119
41	Nonlinear Fano resonance and bistable wave transmission. <i>Physical Review E</i> , 2005, 71, 036626.	0.8	114
42	Light Scattering by a Finite Obstacle and Fano Resonances. <i>Physical Review Letters</i> , 2008, 100, 043903.	2.9	114
43	Optical Yagi-Uda nanoantennas. <i>Nanophotonics</i> , 2012, 1, 65-81.	2.9	112
44	Hybrid anapole modes of high-index dielectric nanoparticles. <i>Physical Review A</i> , 2017, 95, .	1.0	111
45	Multimode directionality in all-dielectric metasurfaces. <i>Physical Review B</i> , 2017, 95, .	1.1	106
46	Invisible nanowires with interfering electric and toroidal dipoles. <i>Optics Letters</i> , 2015, 40, 2293.	1.7	105
47	Lighting up silicon nanoparticles with Mie resonances. <i>Nature Communications</i> , 2018, 9, 2964.	5.8	103
48	Interplay of Magnetic Responses in All-Dielectric Oligomers To Realize Magnetic Fano Resonances. <i>ACS Photonics</i> , 2015, 2, 724-729.	3.2	99
49	Optically Induced Interaction of Magnetic Moments in Hybrid Metamaterials. <i>ACS Nano</i> , 2012, 6, 837-842.	7.3	96
50	Pushing the limit of high-Q mode of a single dielectric nanocavity. <i>Advanced Photonics</i> , 2021, 3, .	6.2	96
51	All-optical switching, bistability, and slow-light transmission in photonic crystal waveguide-resonator structures. <i>Physical Review E</i> , 2006, 74, 046603.	0.8	95
52	Huygens optical elements and Yagi-Uda nanoantennas based on dielectric nanoparticles. <i>JETP Letters</i> , 2011, 94, 593-598.	0.4	92
53	Giant in-particle field concentration and Fano resonances at light scattering by high-refractive-index particles. <i>Physical Review A</i> , 2016, 93, .	1.0	91
54	Engineering Fano resonances in discrete arrays. <i>Physical Review E</i> , 2005, 72, 056611.	0.8	87

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55	Selective Third-Harmonic Generation by Structured Light in Mie-Resonant Nanoparticles. ACS Photonics, 2018, 5, 728-733.	3.2	87
56	Toroidal dipole-induced transparency in core-shell nanoparticles. Laser and Photonics Reviews, 2015, 9, 564-570.	4.4	86
57	Circular dichroism induced by Fano resonances in planar chiral oligomers. Laser and Photonics Reviews, 2016, 10, 137-146.	4.4	85
58	Hybrid nanoantennas for directional emission enhancement. Applied Physics Letters, 2014, 105, .	1.5	83
59	Polarization control over electric and magnetic dipole resonances of dielectric nanoparticles on metallic films. Laser and Photonics Reviews, 2016, 10, 799-806.	4.4	81
60	Enhanced light-matter interactions in dielectric nanostructures via machine-learning approach. Advanced Photonics, 2020, 2, 1.	6.2	81
61	Highly amplitude-sensitive photonic-crystal-fiber-based plasmonic sensor. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2816.	0.9	80
62	Coupled-resonator-induced reflection in photonic-crystal waveguide structures. Optics Express, 2008, 16, 11647.	1.7	79
63	Subwavelength waveguides composed of dielectric nanoparticles. Physical Review B, 2014, 89, .	1.1	79
64	Mapping plasmonic topological states at the nanoscale. Nanoscale, 2015, 7, 11904-11908.	2.8	78
65	Edge States and Topological Phase Transitions in Chains of Dielectric Nanoparticles. Small, 2017, 13, 1603190.	5.2	77
66	Reversible optical nonreciprocity in periodic structures with liquid crystals. Applied Physics Letters, 2010, 96, .	1.5	76
67	Scattering of core-shell nanowires with the interference of electric and magnetic resonances. Optics Letters, 2013, 38, 2621.	1.7	75
68	Enhanced light-matter interaction in two-dimensional transition metal dichalcogenides. Reports on Progress in Physics, 2022, 85, 046401.	8.1	74
69	Experimental demonstration of topological effects in bianisotropic metamaterials. Scientific Reports, 2016, 6, 22270.	1.6	73
70	Broken Symmetries and Directed Collective Energy Transport in Spatially Extended Systems. Physical Review Letters, 2002, 88, 184101.	2.9	72
71	Mid-infrared polarization-controlled broadband achromatic metadvice. Science Advances, 2020, 6, .	4.7	71
72	Spin filters with Fano dots. European Physical Journal B, 2003, 37, 399-403.	0.6	67

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73	Beam Steering with Dielectric Metalattices. ACS Photonics, 2018, 5, 1733-1741.	3.2	66
74	Tailoring Second-Harmonic Emission from (111)-GaAs Nanoantennas. Nano Letters, 2019, 19, 3905-3911.	4.5	66
75	Enhanced Strong Coupling of TMDC Monolayers by Bound State in the Continuum. Laser and Photonics Reviews, 2021, 15, 2100240.	4.4	66
76	Superscattering of light optimized by a genetic algorithm. Applied Physics Letters, 2014, 105, .	1.5	65
77	Suppression of scattering for small dielectric particles: anapole mode and invisibility. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160069.	1.6	65
78	Nonlinear frequency conversion in optical nanoantennas and metasurfaces: materials evolution and fabrication. Opto-Electronic Advances, 2018, 1, 18002101-18002112.	6.4	65
79	Near-field mapping of Fano resonances in all-dielectric oligomers. Applied Physics Letters, 2014, 104, .	1.5	64
80	Near-Field Mapping of Optical Modes on All-Dielectric Silicon Nanodisks. ACS Photonics, 2014, 1, 794-798.	3.2	64
81	Cloaking and enhanced scattering of core-shell plasmonic nanowires. Optics Express, 2013, 21, 10454.	1.7	63
82	Optically isotropic responses induced by discrete rotational symmetry of nanoparticle clusters. Nanoscale, 2013, 5, 6395.	2.8	62
83	Second-harmonic generation by a graphene nanoparticle. Physical Review B, 2014, 90, .	1.1	62
84	Probing magnetic and electric optical responses of silicon nanoparticles. Applied Physics Letters, 2015, 106, .	1.5	62
85	Fano resonances and topological optics: an interplay of far- and near-field interference phenomena. Journal of Optics (United Kingdom), 2013, 15, 073001.	1.0	60
86	Dual-channel spontaneous emission of quantum dots in magnetic metamaterials. Nature Communications, 2013, 4, 2949.	5.8	60
87	Actively tunable bistable optical Yagi-Uda nanoantenna. Optics Express, 2012, 20, 8929.	1.7	58
88	Tunable nonlinear graphene metasurfaces. Physical Review B, 2015, 92, .	1.1	57
89	Hybrid Metasurface Based Tunable Near-Perfect Absorber and Plasmonic Sensor. Materials, 2018, 11, 1091.	1.3	56
90	Sound trapping in an open resonator. Nature Communications, 2021, 12, 4819.	5.8	56

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91	Fano Resonances with Discrete Breathers. <i>Physical Review Letters</i> , 2003, 90, 084101.	2.9	54
92	Polarization Traffic Control for Surface Plasmons. <i>Science</i> , 2013, 340, 283-284.	6.0	54
93	Broadband Achromatic Metalens in Mid-Wavelength Infrared. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100020.	4.4	54
94	Plasmonic Nanoclusters with Rotational Symmetry: Polarization-Invariant Far-Field Response vs Changing Near-Field Distribution. <i>ACS Nano</i> , 2013, 7, 11138-11146.	7.3	53
95	Propagation Controlled Photonic Crystal Fiber-Based Plasmonic Sensor & via Scaled-Down Approach. <i>IEEE Sensors Journal</i> , 2019, 19, 962-969.	2.4	53
96	Forward and Backward Switching of Nonlinear Unidirectional Emission from GaAs Nanoantennas. <i>ACS Nano</i> , 2020, 14, 1379-1389.	7.3	53
97	Third Harmonic Generation Enhanced by Multipolar Interference in Complementary Silicon Metasurfaces. <i>ACS Photonics</i> , 2018, 5, 1671-1675.	3.2	52
98	Split-ball resonator as a three-dimensional analogue of planar split-rings. <i>Nature Communications</i> , 2014, 5, 3104.	5.8	51
99	High-Efficiency Visible Light Manipulation Using Dielectric Metasurfaces. <i>Scientific Reports</i> , 2019, 9, 6510.	1.6	51
100	Multipolar second-harmonic generation from high- Q quasi-BIC states in subwavelength resonators. <i>Nanophotonics</i> , 2020, 9, 3953-3963.	2.9	51
101	Tunable all-optical switching in periodic structures with liquid-crystal defects. <i>Optics Express</i> , 2006, 14, 2839.	1.7	50
102	Boosting Strong Coupling in a Hybrid WSe_2 Monolayer "Anapole" Plasmon System. <i>ACS Photonics</i> , 2021, 8, 489-496.	3.2	50
103	Reconfigurable nonreciprocity with a nonlinear Fano diode. <i>Physical Review B</i> , 2014, 89, .	1.1	49
104	Tunable unidirectional nonlinear emission from transition-metal-dichalcogenide metasurfaces. <i>Nature Communications</i> , 2021, 12, 5597.	5.8	49
105	All-Dielectric Multilayer Cylindrical Structures for Invisibility Cloaking. <i>Scientific Reports</i> , 2015, 5, 9574.	1.6	48
106	Angle-selective all-dielectric Huygens™ metasurfaces. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 434002.	1.3	48
107	Polarization-independent Fano resonances in arrays of core-shell nanoparticles. <i>Physical Review B</i> , 2012, 86, .	1.1	47
108	Hybrid nanophotonics. <i>Physics-Usppekhi</i> , 2018, 61, 1035-1050.	0.8	46

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109	Allâ€Dielectric Metalattice with Enhanced Toroidal Dipole Response. <i>Advanced Optical Materials</i> , 2018, 6, 1800302.	3.6	46
110	Paradoxes in laser heating of plasmonic nanoparticles. <i>New Journal of Physics</i> , 2012, 14, 093022.	1.2	45
111	Polarization-independent perfect absorber enabled by quasibound states in the continuum. <i>Physical Review B</i> , 2021, 104, .	1.1	45
112	Enhanced photonic spin Hall effect with subwavelength topological edge states. <i>Laser and Photonics Reviews</i> , 2016, 10, 656-664.	4.4	44
113	Giant field enhancement in high-index dielectric subwavelength particles. <i>Scientific Reports</i> , 2017, 7, 731.	1.6	44
114	Active tuning of high-Q dielectric metasurfaces. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	44
115	Infrared upconversion imaging in nonlinear metasurfaces. <i>Advanced Photonics</i> , 2021, 3, .	6.2	44
116	Theory, Observation, and Ultrafast Response of the Hybrid Anapole Regime in Light Scattering. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100114.	4.4	44
117	Sharp bends in photonic crystal waveguides as nonlinear Fano resonators. <i>Optics Express</i> , 2005, 13, 3969.	1.7	43
118	Control of light scattering by nanoparticles with optically-induced magnetic responses. <i>Chinese Physics B</i> , 2014, 23, 047806.	0.7	43
119	Strong Coupling of Exciton and Highâ€Q Mode in Allâ€Perovskite Metasurfaces. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	43
120	Unconventional Fano resonances in light scattering by small particles. <i>Europhysics Letters</i> , 2012, 97, 44005.	0.7	42
121	Electric and magnetic hotspots in dielectric nanowire dimers. <i>Nanoscale</i> , 2015, 7, 5963-5968.	2.8	42
122	Bending of electromagnetic waves in all-dielectric particle array waveguides. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	41
123	Reversible Image Contrast Manipulation with Thermally Tunable Dielectric Metasurfaces. <i>Small</i> , 2019, 15, 1805142.	5.2	41
124	Low-threshold bistability of slow light in photonic-crystal waveguides. <i>Optics Express</i> , 2007, 15, 12380.	1.7	40
125	Isotropic Magnetic Purcell Effect. <i>ACS Photonics</i> , 2018, 5, 678-683.	3.2	40
126	Off-resonance field enhancement by spherical nanoshells. <i>Physical Review A</i> , 2010, 81, .	1.0	39

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127	An arrayed nanoantenna for broadband light emission and detection. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011, 5, 347-349.	1.2	39
128	Strong Exciton-Plasmon Coupling in a WS ₂ Monolayer on Au Film Hybrid Structures Mediated by Liquid Ga Nanoparticles. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900420.	4.4	39
129	Edge Detection with Mie-Resonant Dielectric Metasurfaces. <i>ACS Photonics</i> , 2021, 8, 864-871.	3.2	39
130	Resonant scattering of solitons. <i>Chaos</i> , 2003, 13, 874-879.	1.0	38
131	Anapole Meta-Atoms: Nonradiating Electric and Magnetic Sources. <i>Physical Review Letters</i> , 2021, 127, 096804.	2.9	38
132	All-optical switching and multistability in photonic structures with liquid crystal defects. <i>Applied Physics Letters</i> , 2008, 92, 253306.	1.5	37
133	Non-Rayleigh limit of the Lorenz-Mie solution and suppression of scattering by spheres of negative refractive index. <i>Physical Review A</i> , 2009, 80, .	1.0	37
134	Multi-field approach in mechanics of structural solids. <i>International Journal of Solids and Structures</i> , 2010, 47, 510-525.	1.3	37
135	Trends in Quantum Nanophotonics. <i>Advanced Quantum Technologies</i> , 2020, 3, 1900126.	1.8	37
136	Synthesizing multi-dimensional excitation dynamics and localization transition in one-dimensional lattices. <i>Nature Photonics</i> , 2020, 14, 76-81.	15.6	35
137	Wave scattering by discrete breathers. <i>Chaos</i> , 2003, 13, 596-609.	1.0	34
138	Ultra-Broadband Directional Scattering by Colloidally Lithographed High-Index Mie Resonant Oligomers and Their Energy-Harvesting Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16776-16782.	4.0	34
139	Coloring solar cells with simultaneously high efficiency by low-index dielectric nanoparticles. <i>Nano Energy</i> , 2019, 62, 682-690.	8.2	34
140	Topological Supercavity Resonances in the Finite System. <i>Advanced Science</i> , 2022, 9, e2200257.	5.6	34
141	Excitation of nonradiating magnetic anapole states with azimuthally polarized vector beams. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 1478-1490.	1.5	33
142	Simultaneously nearly zero forward and nearly zero backward scattering objects. <i>Optics Express</i> , 2018, 26, 30393.	1.7	33
143	Breathers in Josephson junction ladders: Resonances and electromagnetic wave spectroscopy. <i>Physical Review E</i> , 2001, 64, 066601.	0.8	32
144	Efficient excitation and tuning of toroidal dipoles within individual homogenous nanoparticles. <i>Optics Express</i> , 2015, 23, 24738.	1.7	32

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145	Nonlinear Symmetry Breaking in Symmetric Oligomers. ACS Photonics, 2017, 4, 454-461.	3.2	32
146	Active control over nanofocusing with nanorod plasmonic antennas. Optics Express, 2011, 19, 5888.	1.7	31
147	Generalized hybrid anapole modes in all-dielectric ellipsoid particles [Invited]. Optical Materials Express, 2021, 11, 23.	1.6	31
148	Beyond the Hybridization Effects in Plasmonic Nanoclusters: Diffraction-Induced Enhanced Absorption and Scattering. Small, 2014, 10, 576-583.	5.2	30
149	Low-threshold optical bistability of graphene-wrapped dielectric composite. Scientific Reports, 2016, 6, 23354.	1.6	30
150	Laser Pulse Heating of Spherical Metal Particles. Physical Review X, 2011, 1, .	2.8	29
151	Hybridization and the origin of Fano resonances in symmetric nanoparticle trimers. Physical Review B, 2015, 92, .	1.1	29
152	Photonic topological Chern insulators based on Tellegen metacrystals. New Journal of Physics, 2015, 17, 125015.	1.2	28
153	Single protein sensing with asymmetric plasmonic hexamer via Fano resonance enhanced two-photon luminescence. Nanoscale, 2015, 7, 20405-20413.	2.8	28
154	Energy equipartition and unidirectional emission in a spaser nanolaser. Laser and Photonics Reviews, 2016, 10, 432-440.	4.4	28
155	Fine-Tuning of the Magnetic Fano Resonance in Hybrid Oligomers via fs-Laser-Induced Reshaping. ACS Photonics, 2017, 4, 536-543.	3.2	28
156	Nonlinear Fano-Feshbach resonances. Physical Review E, 2009, 79, 026611.	0.8	27
157	Dynamics and instability of nonlinear Fano resonances in photonic crystals. Physical Review A, 2009, 79, .	1.0	27
158	Tunable Optical Bistability and Tristability in Nonlinear Graphene-Wrapped Nanospheres. Journal of Physical Chemistry C, 2017, 121, 11804-11810.	1.5	27
159	Enhanced Four-Wave Mixing in Doubly Resonant Si Nanoresonators. ACS Photonics, 2019, 6, 1295-1301.	3.2	27
160	Impedance Matching Induce High Transmission and Flat Response Band-Pass Plasmonic Waveguides. Plasmonics, 2011, 6, 337-343.	1.8	26
161	Resonant harmonic generation in AlGaAs nanoantennas probed by cylindrical vector beams. Nanoscale, 2019, 11, 1745-1753.	2.8	26
162	Ultimate Absorption in Light Scattering by a Finite Obstacle. Physical Review Letters, 2018, 120, 033902.	2.9	25

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163	Geometry symmetry-free and higher-order optical bound states in the continuum. <i>Nature Communications</i> , 2021, 12, 4390.	5.8	25
164	Localized modes and bistable scattering in nonlinear network junctions. <i>Physical Review E</i> , 2007, 75, 046602.	0.8	24
165	Plasmonic nanoantennas for efficient control of polarization-entangled photon pairs. <i>Physical Review A</i> , 2012, 86, .	1.0	24
166	Multi-field continuum theory for medium with microscopic rotations. <i>International Journal of Solids and Structures</i> , 2005, 42, 6245-6260.	1.3	23
167	Polychromatic nanofocusing of surface plasmon polaritons. <i>Physical Review B</i> , 2011, 83, .	1.1	23
168	Reexamination of Kerker's conditions by means of the phase diagram. <i>Physical Review A</i> , 2017, 96, .	1.0	23
169	Light-induced orientational effects in periodic photonic structures with pure and dye-doped nematic liquid crystal defects. <i>Physical Review A</i> , 2008, 78, .	1.0	22
170	Superabsorption of light by multilayer nanowires. <i>Nanoscale</i> , 2015, 7, 17658-17663.	2.8	22
171	Strong Magnetic Response of Optical Nanofibers. <i>ACS Photonics</i> , 2016, 3, 972-978.	3.2	22
172	AI to Bypass Creativity. Will Robots Replace Journalists? (The Answer Is "Yes"). <i>Information (Switzerland)</i> , 2018, 9, 183.	1.7	22
173	Recent advances on strong light-matter coupling in atomically thin TMDC semiconductor materials. <i>Journal of Optics (United Kingdom)</i> , 2022, 24, 053001.	1.0	22
174	Multifrequency tapered plasmonic nanoantennas. <i>Optics Communications</i> , 2012, 285, 821-824.	1.0	21
175	Highly-Efficient Longitudinal Second-Harmonic Generation from Doubly-Resonant AlGaAs Nanoantennas. <i>Photonics</i> , 2018, 5, 29.	0.9	21
176	Controlling light scattering and polarization by spherical particles with radial anisotropy. <i>Optics Express</i> , 2013, 21, 8091.	1.7	20
177	Refractive index sensing with Fano resonances in silicon oligomers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160070.	1.6	20
178	Microstructured Optical Fiber-Based Plasmonic Sensors. , 2019, , 203-232.		20
179	Optical vortices at Fano resonances. <i>Optics Letters</i> , 2012, 37, 4985.	1.7	19
180	Optical Metacages. <i>Physical Review Letters</i> , 2015, 115, 215501.	2.9	19

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181	Antiferromagnetic order in hybrid electromagnetic metamaterials. <i>New Journal of Physics</i> , 2017, 19, 083013.	1.2	19
182	Enhanced Spin Hall Effect of Light in Spheres with Dual Symmetry. <i>Laser and Photonics Reviews</i> , 2018, 12, 1800130.	4.4	19
183	Planar narrow bandpass filter based on Si resonant metasurface. <i>Journal of Applied Physics</i> , 2021, 130, .	1.1	19
184	Nonradiating sources for efficient wireless power transfer. <i>Nanophotonics</i> , 2021, 10, 4399-4408.	2.9	19
185	Fano Resonances: A Discovery that Was Not Made 100 Years Ago. <i>Optics and Photonics News</i> , 2008, 19, 48.	0.4	18
186	Mach-Zehnder Fano interferometer. <i>Applied Physics Letters</i> , 2009, 95, 121109.	1.5	18
187	A discrete model and analysis of one-dimensional deformations in a structural interface with micro-rotations. <i>Mechanics Research Communications</i> , 2010, 37, 225-229.	1.0	18
188	Scattering Invisibility With Free-Space Field Enhancement of All-Dielectric Nanoparticles. <i>Laser and Photonics Reviews</i> , 2017, 11, 1700103.	4.4	18
189	Extended SSH Model: Non-Local Couplings and Non-Monotonous Edge States. <i>Physics</i> , 2018, 1, 2-16.	0.5	18
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