

Andrey E Miroshnichenko

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387
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20,641
ext. citations

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avg. IF

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L-index

#	Paper	IF	Citations
287	Fano resonances in nanoscale structures. <i>Reviews of Modern Physics</i> , 2010 , 82, 2257-2298	40.5	1967
286	Optically resonant dielectric nanostructures. <i>Science</i> , 2016 , 354,	33.3	1434
285	Magnetic light. <i>Scientific Reports</i> , 2012 , 2, 492	4.9	762
284	Tailoring directional scattering through magnetic and electric resonances in subwavelength silicon nanodisks. <i>ACS Nano</i> , 2013 , 7, 7824-32	16.7	754
283	Directional visible light scattering by silicon nanoparticles. <i>Nature Communications</i> , 2013 , 4, 1527	17.4	746
282	Nonradiating anapole modes in dielectric nanoparticles. <i>Nature Communications</i> , 2015 , 6, 8069	17.4	457
281	All-dielectric optical nanoantennas. <i>Optics Express</i> , 2012 , 20, 20599-604	3.3	387
280	Enhanced third-harmonic generation in silicon nanoparticles driven by magnetic response. <i>Nano Letters</i> , 2014 , 14, 6488-92	11.5	383
279	Functional and nonlinear optical metasurfaces. <i>Laser and Photonics Reviews</i> , 2015 , 9, 195-213	8.3	327
278	Ultrafast All-Optical Switching with Magnetic Resonances in Nonlinear Dielectric Nanostructures. <i>Nano Letters</i> , 2015 , 15, 6985-90	11.5	272
277	Fano resonances in all-dielectric oligomers. <i>Nano Letters</i> , 2012 , 12, 6459-63	11.5	257
276	Invited Article: Broadband highly efficient dielectric metadevices for polarization control. <i>APL Photonics</i> , 2016 , 1, 030801	5.2	248
275	Broadband unidirectional scattering by magneto-electric core-shell nanoparticles. <i>ACS Nano</i> , 2012 , 6, 5489-97	16.7	238
274	Nonlinearly PT-symmetric systems: Spontaneous symmetry breaking and transmission resonances. <i>Physical Review A</i> , 2011 , 84,	2.6	171
273	Nonlinear Generation of Vector Beams From AlGaAs Nanoantennas. <i>Nano Letters</i> , 2016 , 16, 7191-7197	11.5	168
272	Generalized Brewster effect in dielectric metasurfaces. <i>Nature Communications</i> , 2016 , 7, 10362	17.4	164
271	Electrically tunable all-dielectric optical metasurfaces based on liquid crystals. <i>Applied Physics Letters</i> , 2017 , 110, 071109	3.4	154

270	Dynamic Beam Switching by Liquid Crystal Tunable Dielectric Metasurfaces. <i>ACS Photonics</i> , 2018 , 5, 1742-1748	15.0	150
269	Observation of Fano resonances in all-dielectric nanoparticle oligomers. <i>Small</i> , 2014 , 10, 1985-90	11	148
268	Optical nanoantennas. <i>Physics-Uspekhi</i> , 2013 , 56, 539-564	2.8	146
267	Surface bound states in the continuum. <i>Physical Review Letters</i> , 2012 , 108, 070401	7.4	140
266	Multifold Enhancement of Third-Harmonic Generation in Dielectric Nanoparticles Driven by Magnetic Fano Resonances. <i>Nano Letters</i> , 2016 , 16, 4857-61	11.5	138
265	Compact surface Fano states embedded in the continuum of waveguide arrays. <i>Physical Review Letters</i> , 2013 , 111, 240403	7.4	137
264	Anapole nanolasers for mode-locking and ultrafast pulse generation. <i>Nature Communications</i> , 2017 , 8, 15535	17.4	136
263	Highly sensitive selectively coated photonic crystal fiber-based plasmonic sensor. <i>Optics Letters</i> , 2018 , 43, 891-894	3	135
262	Electro-optical switching by liquid-crystal controlled metasurfaces. <i>Optics Express</i> , 2013 , 21, 8879-85	3.3	130
261	An antenna model for the Purcell effect. <i>Scientific Reports</i> , 2015 , 5, 12956	4.9	115
260	Revisiting the physics of Fano resonances for nanoparticle oligomers. <i>Physical Review A</i> , 2013 , 88,	2.6	109
259	Subwavelength topological edge States in optically resonant dielectric structures. <i>Physical Review Letters</i> , 2015 , 114, 123901	7.4	106
258	Meta-Optics with Mie Resonances. <i>Optics and Photonics News</i> , 2017 , 28, 24	1.9	104
257	Ideal Magnetic Dipole Scattering. <i>Physical Review Letters</i> , 2017 , 118, 173901	7.4	101
256	Plasmonic Airy beam manipulation in linear optical potentials. <i>Optics Letters</i> , 2011 , 36, 1164-6	3	101
255	Nonlinear Interference and Tailorable Third-Harmonic Generation from Dielectric Oligomers. <i>ACS Photonics</i> , 2015 , 2, 578-582	6.3	99
254	Light scattering by a finite obstacle and fano resonances. <i>Physical Review Letters</i> , 2008 , 100, 043903	7.4	98
253	Nonlinear Fano resonance and bistable wave transmission. <i>Physical Review E</i> , 2005 , 71, 036626	2.4	98

252	Toroidal dipole bound states in the continuum. <i>Physical Review B</i> , 2018 , 98,	3.3	96
251	Topological Majorana States in Zigzag Chains of Plasmonic Nanoparticles. <i>ACS Photonics</i> , 2014 , 1, 101-105	6.3	95
250	Invisible nanowires with interfering electric and toroidal dipoles. <i>Optics Letters</i> , 2015 , 40, 2293-6	3	93
249	Substrate-Induced Resonant Magnetolectric Effects for Dielectric Nanoparticles. <i>ACS Photonics</i> , 2015 , 2, 1423-1428	6.3	90
248	Reversible Thermal Tuning of All-Dielectric Metasurfaces. <i>Advanced Functional Materials</i> , 2017 , 27, 1700586	5.8	90
247	Optical Yagi-Uda nanoantennas. <i>Nanophotonics</i> , 2012 , 1, 65-81	6.3	90
246	Interplay of Magnetic Responses in All-Dielectric Oligomers To Realize Magnetic Fano Resonances. <i>ACS Photonics</i> , 2015 , 2, 724-729	6.3	82
245	Multimode directionality in all-dielectric metasurfaces. <i>Physical Review B</i> , 2017 , 95,	3.3	82
244	Boosting third-harmonic generation by a mirror-enhanced anapole resonator. <i>Light: Science and Applications</i> , 2018 , 7, 44	16.7	81
243	Optically induced interaction of magnetic moments in hybrid metamaterials. <i>ACS Nano</i> , 2012 , 6, 837-42	16.7	81
242	Toroidal dipole-induced transparency in core-shell nanoparticles. <i>Laser and Photonics Reviews</i> , 2015 , 9, 564-570	8.3	79
241	Huygens optical elements and Yagi-Uda nanoantennas based on dielectric nanoparticles. <i>JETP Letters</i> , 2011 , 94, 593-598	1.2	79
240	Engineering Fano resonances in discrete arrays. <i>Physical Review E</i> , 2005 , 72, 056611	2.4	78
239	The High-Order Toroidal Moments and Anapole States in All-Dielectric Photonics. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1800266	8.3	76
238	Hybrid anapole modes of high-index dielectric nanoparticles. <i>Physical Review A</i> , 2017 , 95,	2.6	72
237	All-optical switching, bistability, and slow-light transmission in photonic crystal waveguide-resonator structures. <i>Physical Review E</i> , 2006 , 74, 046603	2.4	72
236	Circular dichroism induced by Fano resonances in planar chiral oligomers. <i>Laser and Photonics Reviews</i> , 2016 , 10, 137-146	8.3	72
235	Dynamic Nonlinear Image Tuning through Magnetic Dipole Quasi-BIC Ultrathin Resonators. <i>Advanced Science</i> , 2019 , 6, 1802119	13.6	70

234	Lighting up silicon nanoparticles with Mie resonances. <i>Nature Communications</i> , 2018 , 9, 2964	17.4	70
233	Coupled-resonator-induced reflection in photonic-crystal waveguide structures. <i>Optics Express</i> , 2008 , 16, 11647-59	3.3	69
232	Subwavelength waveguides composed of dielectric nanoparticles. <i>Physical Review B</i> , 2014 , 89,	3.3	68
231	Broken symmetries and directed collective energy transport in spatially extended systems. <i>Physical Review Letters</i> , 2002 , 88, 184101	7.4	68
230	Hybrid nanoantennas for directional emission enhancement. <i>Applied Physics Letters</i> , 2014 , 105, 221109	3.4	67
229	Polarization control over electric and magnetic dipole resonances of dielectric nanoparticles on metallic films. <i>Laser and Photonics Reviews</i> , 2016 , 10, 799-806	8.3	67
228	Experimental demonstration of topological effects in bianisotropic metamaterials. <i>Scientific Reports</i> , 2016 , 6, 22270	4.9	66
227	Scattering of core-shell nanowires with the interference of electric and magnetic resonances. <i>Optics Letters</i> , 2013 , 38, 2621-4	3	64
226	Spin filters with Fano dots. <i>European Physical Journal B</i> , 2003 , 37, 399-403	1.2	63
225	Giant in-particle field concentration and Fano resonances at light scattering by high-refractive-index particles. <i>Physical Review A</i> , 2016 , 93,	2.6	62
224	Mapping plasmonic topological states at the nanoscale. <i>Nanoscale</i> , 2015 , 7, 11904-8	7.7	61
223	Near-field mapping of Fano resonances in all-dielectric oligomers. <i>Applied Physics Letters</i> , 2014 , 104, 021104	3.4	59
222	Reversible optical nonreciprocity in periodic structures with liquid crystals. <i>Applied Physics Letters</i> , 2010 , 96, 063302	3.4	59
221	Second-harmonic generation by a graphene nanoparticle. <i>Physical Review B</i> , 2014 , 90,	3.3	58
220	Near-Field Mapping of Optical Modes on All-Dielectric Silicon Nanodisks. <i>ACS Photonics</i> , 2014 , 1, 794-798	6.3	58
219	Edge States and Topological Phase Transitions in Chains of Dielectric Nanoparticles. <i>Small</i> , 2017 , 13, 1603190	11	56
218	Cloaking and enhanced scattering of core-shell plasmonic nanowires. <i>Optics Express</i> , 2013 , 21, 10454-9	3.3	56
217	Selective Third-Harmonic Generation by Structured Light in Mie-Resonant Nanoparticles. <i>ACS Photonics</i> , 2018 , 5, 728-733	6.3	53

216	Dual-channel spontaneous emission of quantum dots in magnetic metamaterials. <i>Nature Communications</i> , 2013 , 4, 2949	17.4	52
215	Superscattering of light optimized by a genetic algorithm. <i>Applied Physics Letters</i> , 2014 , 105, 011109	3.4	52
214	Probing magnetic and electric optical responses of silicon nanoparticles. <i>Applied Physics Letters</i> , 2015 , 106, 171110	3.4	50
213	Fano resonances and topological optics: an interplay of far- and near-field interference phenomena. <i>Journal of Optics (United Kingdom)</i> , 2013 , 15, 073001	1.7	50
212	Suppression of scattering for small dielectric particles: anapole mode and invisibility. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017 , 375,	3	48
211	Applied physics. Polarization traffic control for surface plasmons. <i>Science</i> , 2013 , 340, 283-4	33.3	47
210	Plasmonic nanoclusters with rotational symmetry: polarization-invariant far-field response vs changing near-field distribution. <i>ACS Nano</i> , 2013 , 7, 11138-46	16.7	47
209	Optically isotropic responses induced by discrete rotational symmetry of nanoparticle clusters. <i>Nanoscale</i> , 2013 , 5, 6395-403	7.7	47
208	Actively tunable bistable optical Yagi-Uda nanoantenna. <i>Optics Express</i> , 2012 , 20, 8929-38	3.3	47
207	Tunable nonlinear graphene metasurfaces. <i>Physical Review B</i> , 2015 , 92,	3.3	46
206	Fano resonances with discrete breathers. <i>Physical Review Letters</i> , 2003 , 90, 084101	7.4	45
205	Split-ball resonator as a three-dimensional analogue of planar split-rings. <i>Nature Communications</i> , 2014 , 5, 3104	17.4	44
204	Tunable all-optical switching in periodic structures with liquid-crystal defects. <i>Optics Express</i> , 2006 , 14, 2839-44	3.3	44
203	Highly amplitude-sensitive photonic-crystal-fiber-based plasmonic sensor. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 2816	1.7	44
202	Beam Steering with Dielectric Metalattices. <i>ACS Photonics</i> , 2018 , 5, 1733-1741	6.3	43
201	Control of light scattering by nanoparticles with optically-induced magnetic responses. <i>Chinese Physics B</i> , 2014 , 23, 047806	1.2	42
200	Polarization-independent Fano resonances in arrays of core-shell nanoparticles. <i>Physical Review B</i> , 2012 , 86,	3.3	42
199	Tailoring Second-Harmonic Emission from (111)-GaAs Nanoantennas. <i>Nano Letters</i> , 2019 , 19, 3905-3911	11.5	40

198	Reconfigurable nonreciprocity with a nonlinear Fano diode. <i>Physical Review B</i> , 2014 , 89,	3.3	39
197	Paradoxes in laser heating of plasmonic nanoparticles. <i>New Journal of Physics</i> , 2012 , 14, 093022	2.9	39
196	Off-resonance field enhancement by spherical nanoshells. <i>Physical Review A</i> , 2010 , 81,	2.6	38
195	Sharp bends in photonic crystal waveguides as nonlinear Fano resonators. <i>Optics Express</i> , 2005 , 13, 3969-376	3.76	38
194	Nonlinear frequency conversion in optical nanoantennas and metasurfaces: materials evolution and fabrication. <i>Opto-Electronic Advances</i> , 2018 , 1, 18002101-18002112	6.5	38
193	All-dielectric multilayer cylindrical structures for invisibility cloaking. <i>Scientific Reports</i> , 2015 , 5, 9574	4.9	37
192	All-Dielectric Metalattice with Enhanced Toroidal Dipole Response. <i>Advanced Optical Materials</i> , 2018 , 6, 1800302	8.1	37
191	Angle-selective all-dielectric Huygens' metasurfaces. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 4340023	3	36
190	Active tuning of high-Q dielectric metasurfaces. <i>Applied Physics Letters</i> , 2017 , 111, 053102	3.4	36
189	Giant field enhancement in high-index dielectric subwavelength particles. <i>Scientific Reports</i> , 2017 , 7, 731	4.9	35
188	Electric and magnetic hotspots in dielectric nanowire dimers. <i>Nanoscale</i> , 2015 , 7, 5963-8	7.7	35
187	Third Harmonic Generation Enhanced by Multipolar Interference in Complementary Silicon Metasurfaces. <i>ACS Photonics</i> , 2018 , 5, 1671-1675	6.3	35
186	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,	2.6	35
185	Multi-field approach in mechanics of structural solids. <i>International Journal of Solids and Structures</i> , 2010 , 47, 510-525	3.1	35
184	Hybrid Metasurface Based Tunable Near-Perfect Absorber and Plasmonic Sensor. <i>Materials</i> , 2018 , 11,	3.5	34
183	Unconventional Fano resonances in light scattering by small particles. <i>Europhysics Letters</i> , 2012 , 97, 440056	56	34
182	Low-threshold bistability of slow light in photonic-crystal waveguides. <i>Optics Express</i> , 2007 , 15, 12380-5	3.3	34
181	High-Efficiency Visible Light Manipulation Using Dielectric Metasurfaces. <i>Scientific Reports</i> , 2019 , 9, 65104.9	9	33

180	Bending of electromagnetic waves in all-dielectric particle array waveguides. <i>Applied Physics Letters</i> , 2014 , 105, 181116	3.4	33
179	All-optical switching and multistability in photonic structures with liquid crystal defects. <i>Applied Physics Letters</i> , 2008 , 92, 253306	3.4	32
178	Resonant scattering of solitons. <i>Chaos</i> , 2003 , 13, 874-9	3.3	32
177	Wave scattering by discrete breathers. <i>Chaos</i> , 2003 , 13, 596-609	3.3	32
176	Enhanced light-matter interactions in dielectric nanostructures via machine-learning approach. <i>Advanced Photonics</i> , 2020 , 2, 1	8.1	32
175	Mid-infrared polarization-controlled broadband achromatic metadvice. <i>Science Advances</i> , 2020 , 6,	14.3	32
174	Breathers in Josephson junction ladders: resonances and electromagnetic wave spectroscopy. <i>Physical Review E</i> , 2001 , 64, 066601	2.4	30
173	Efficient excitation and tuning of toroidal dipoles within individual homogenous nanoparticles. <i>Optics Express</i> , 2015 , 23, 24738-47	3.3	29
172	Beyond the hybridization effects in plasmonic nanoclusters: diffraction-induced enhanced absorption and scattering. <i>Small</i> , 2014 , 10, 576-83	11	29
171	An arrayed nanoantenna for broadband light emission and detection. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011 , 5, 347-349	2.5	29
170	Propagation Controlled Photonic Crystal Fiber-Based Plasmonic Sensor via Scaled-Down Approach. <i>IEEE Sensors Journal</i> , 2019 , 19, 962-969	4	29
169	Hybridization and the origin of Fano resonances in symmetric nanoparticle trimers. <i>Physical Review B</i> , 2015 , 92,	3.3	28
168	Low-threshold optical bistability of graphene-wrapped dielectric composite. <i>Scientific Reports</i> , 2016 , 6, 23354	4.9	26
167	Nonlinear Fano-Feshbach resonances. <i>Physical Review E</i> , 2009 , 79, 026611	2.4	26
166	Forward and Backward Switching of Nonlinear Unidirectional Emission from GaAs Nanoantennas. <i>ACS Nano</i> , 2020 , 14, 1379-1389	16.7	26
165	Pushing the limit of high-Q mode of a single dielectric nanocavity. <i>Advanced Photonics</i> , 2021 , 3,	8.1	26
164	Fine-Tuning of the Magnetic Fano Resonance in Hybrid Oligomers via fs-Laser-Induced Reshaping. <i>ACS Photonics</i> , 2017 , 4, 536-543	6.3	25
163	Nonlinear Symmetry Breaking in Symmetric Oligomers. <i>ACS Photonics</i> , 2017 , 4, 454-461	6.3	25

162	Tunable Optical Bistability and Tristability in Nonlinear Graphene-Wrapped Nanospheres. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 11804-11810	3.8	25
161	Enhanced photonic spin Hall effect with subwavelength topological edge states. <i>Laser and Photonics Reviews</i> , 2016 , 10, 656-664	8.3	25
160	Isotropic Magnetic Purcell Effect. <i>ACS Photonics</i> , 2018 , 5, 678-683	6.3	25
159	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	9.5	24
158	Impedance Matching Induce High Transmission and Flat Response Band-Pass Plasmonic Waveguides. <i>Plasmonics</i> , 2011 , 6, 337-343	2.4	24
157	Hybrid nanophotonics. <i>Physics-Uspekhi</i> , 2018 , 61, 1035-1050	2.8	24
156	Reversible Image Contrast Manipulation with Thermally Tunable Dielectric Metasurfaces. <i>Small</i> , 2019 , 15, e1805142	11	23
155	Single protein sensing with asymmetric plasmonic hexamer via Fano resonance enhanced two-photon luminescence. <i>Nanoscale</i> , 2015 , 7, 20405-13	7.7	23
154	Dynamics and instability of nonlinear Fano resonances in photonic crystals. <i>Physical Review A</i> , 2009 , 79,	2.6	23
153	Active control over nanofocusing with nanorod plasmonic antennas. <i>Optics Express</i> , 2011 , 19, 5888-94	3.3	22
152	Broadband Achromatic Metalens in Mid-Wavelength Infrared. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2100020	8.3	22
151	Photonic topological Chern insulators based on Tellegen metacrystals. <i>New Journal of Physics</i> , 2015 , 17, 125015	2.9	21
150	Multipolar second-harmonic generation from high-Q quasi-BIC states in subwavelength resonators. <i>Nanophotonics</i> , 2020 , 9, 3953-3963	6.3	21
149	Synthesizing multi-dimensional excitation dynamics and localization transition in one-dimensional lattices. <i>Nature Photonics</i> , 2020 , 14, 76-81	33.9	21
148	Superabsorption of light by multilayer nanowires. <i>Nanoscale</i> , 2015 , 7, 17658-63	7.7	20
147	Energy equipartition and unidirectional emission in a spaser nanolaser. <i>Laser and Photonics Reviews</i> , 2016 , 10, 432-440	8.3	20
146	Multifrequency tapered plasmonic nanoantennas. <i>Optics Communications</i> , 2012 , 285, 821-824	2	20
145	Plasmonic nanoantennas for efficient control of polarization-entangled photon pairs. <i>Physical Review A</i> , 2012 , 86,	2.6	20

144	Multi-field continuum theory for medium with microscopic rotations. <i>International Journal of Solids and Structures</i> , 2005 , 42, 6245-6260	3.1	20
143	Simultaneously nearly zero forward and nearly zero backward scattering objects. <i>Optics Express</i> , 2018 , 26, 30393-30399	3.3	20
142	Excitation of nonradiating magnetic anapole states with azimuthally polarized vector beams. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 1478-1490	3	20
141	Coloring solar cells with simultaneously high efficiency by low-index dielectric nanoparticles. <i>Nano Energy</i> , 2019 , 62, 682-690	17.1	19
140	Ultimate Absorption in Light Scattering by a Finite Obstacle. <i>Physical Review Letters</i> , 2018 , 120, 033902	7.4	19
139	Polychromatic nanofocusing of surface plasmon polaritons. <i>Physical Review B</i> , 2011 , 83,	3.3	19
138	Enhanced Four-Wave Mixing in Doubly Resonant Si Nanoresonators. <i>ACS Photonics</i> , 2019 , 6, 1295-1301	6.3	18
137	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	8.3	18
136	Laser Pulse Heating of Spherical Metal Particles. <i>Physical Review X</i> , 2011 , 1,	9.1	18
135	Controlling light scattering and polarization by spherical particles with radial anisotropy. <i>Optics Express</i> , 2013 , 21, 8091-100	3.3	17
134	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	2.2	17
133	Localized modes and bistable scattering in nonlinear network junctions. <i>Physical Review E</i> , 2007 , 75, 046602	6.7	17
132	Refractive index sensing with Fano resonances in silicon oligomers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017 , 375,	3	16
131	Reexamination of Kerker's conditions by means of the phase diagram. <i>Physical Review A</i> , 2017 , 96,	2.6	16
130	Resonant harmonic generation in AlGaAs nanoantennas probed by cylindrical vector beams. <i>Nanoscale</i> , 2019 , 11, 1745-1753	7.7	16
129	Multi-field modeling of a Cosserat lattice: Models, wave filtering, and boundary effects. <i>European Journal of Mechanics, A/Solids</i> , 2014 , 46, 96-105	3.7	16
128	Optical Metacages. <i>Physical Review Letters</i> , 2015 , 115, 215501	7.4	16
127	Light-induced orientational effects in periodic photonic structures with pure and dye-doped nematic liquid crystal defects. <i>Physical Review A</i> , 2008 , 78,	2.6	16

126	Highly-Efficient Longitudinal Second-Harmonic Generation from Doubly-Resonant AlGaAs Nanoantennas. <i>Photonics</i> , 2018 , 5, 29	2.2	16
125	Optical vortices at Fano resonances. <i>Optics Letters</i> , 2012 , 37, 4985-7	3	15
124	Fano Resonances: A Discovery that Was Not Made 100 Years Ago. <i>Optics and Photonics News</i> , 2008 , 19, 48	1.9	15
123	Multifield model for Cosserat media. <i>Journal of Mechanics of Materials and Structures</i> , 2008 , 3, 1365-1382	2.2	15
122	Trends in Quantum Nanophotonics. <i>Advanced Quantum Technologies</i> , 2020 , 3, 1900126	4.3	14
121	Light scattering by nonlinear cylindrical multilayer structures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 1595	1.7	14
120	Effect of discreteness on a sine-Gordon three-soliton solution. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 246, 129-134	2.3	14
119	Resonant light scattering by optical solitons. <i>Physical Review Letters</i> , 2005 , 95, 023901	7.4	14
118	Resonant plasmon scattering by discrete breathers in Josephson junction ladders. <i>Physical Review B</i> , 2005 , 71,	3.3	14
117	Antiferromagnetic order in hybrid electromagnetic metamaterials. <i>New Journal of Physics</i> , 2017 , 19, 083013	3.3	13
116	Mach-Zehnder-Fano interferometer. <i>Applied Physics Letters</i> , 2009 , 95, 121109	3.4	13
115	Magnetic Light: Optical Magnetism of Dielectric Nanoparticles. <i>Optics and Photonics News</i> , 2012 , 23, 35	1.9	13
114	Strong Magnetic Response of Optical Nanofibers. <i>ACS Photonics</i> , 2016 , 3, 972-978	6.3	13
113	Enhanced Spin Hall Effect of Light in Spheres with Dual Symmetry. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1800130	8.3	13
112	Scattering Invisibility With Free-Space Field Enhancement of All-Dielectric Nanoparticles. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1700103	8.3	12
111	Mode transformation in waveguiding plasmonic structures. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2011 , 9, 207-212	2.6	12
110	Non-Rayleigh scattering behavior for anisotropic Rayleigh particles. <i>Optics Letters</i> , 2012 , 37, 3390-2	3	12
109	Inelastic three-soliton collisions in a weakly discrete sine-Gordon system. <i>Nonlinearity</i> , 2000 , 13, 837-848	1.7	12

108	AI to Bypass Creativity. Will Robots Replace Journalists? (The Answer Is Yes) <i>Information (Switzerland)</i> , 2018 , 9, 183	2.6	12
107	Photon drag of a Bose-Einstein condensate. <i>Physical Review B</i> , 2018 , 98,	3.3	12
106	Theory, Observation, and Ultrafast Response of the Hybrid Anapole Regime in Light Scattering. <i>Laser and Photonics Reviews</i> , 2100114	8.3	12
105	Superabsorption of light by nanoparticles. <i>Nanoscale</i> , 2015 , 7, 18897-901	7.7	11
104	Cascaded four-wave mixing in tapered plasmonic nanoantenna. <i>Optics Letters</i> , 2013 , 38, 79-81	3	11
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