

Andrey E Miroshnichenko

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

287
papers

17,183
citations

62
h-index

125
g-index

387
ext. papers

20,641
ext. citations

5.8
avg, IF

7.18
L-index

#	Paper	IF	Citations
287	Enhanced strong coupling of WSe2 monolayer by Bound State in the continuum. <i>Journal of Physics: Conference Series</i> , 2022 , 2172, 012009	0.3	
286	Enhanced four-wave mixing from multi-resonant silicon dimer-hole membrane metasurfaces. <i>New Journal of Physics</i> , 2022 , 24, 035002	2.9	1
285	Photonic slide rule with metasurfaces.. <i>Light: Science and Applications</i> , 2022 , 11, 77	16.7	0
284	Multifaceted anapole: from physics to applications [Invited]. <i>Optical Materials Express</i> , 2022 , 12, 1817	2.6	3
283	Topological Supercavity Resonances in the Finite System.. <i>Advanced Science</i> , 2022 , e2200257	13.6	4
282	Generalized hybrid anapole modes in all-dielectric ellipsoid particles [Invited]. <i>Optical Materials Express</i> , 2021 , 11, 23	2.6	9
281	Enhanced Strong Coupling of TMDC Monolayers by Bound State in the Continuum. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2100240	8.3	9
280	Nonradiating sources for efficient wireless power transfer. <i>Nanophotonics</i> , 2021 , 10, 4399-4408	6.3	4
279	Highly Sensitive Resonant Dielectric Metagrating Sensors 2021 ,		1
278	Two tractable models of dynamic light scattering and their application to Fano resonances. <i>Nanophotonics</i> , 2021 ,	6.3	1
277	Infrared all-dielectric Kerker metasurfaces. <i>Optics Express</i> , 2021 , 29, 10518-10526	3.3	8
276	Broadband control on scattering events with interferometric coherent waves. <i>New Journal of Physics</i> , 2021 , 23, 063014	2.9	1
275	Infrared upconversion imaging in nonlinear metasurfaces. <i>Advanced Photonics</i> , 2021 , 3,	8.1	11
274	Broadband Achromatic Metalens in Mid-Wavelength Infrared. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2100020	8.3	22
273	Synthetic Plasmonic Nanocircuits and the Evolution of Their Correlated Spatial Arrangement and Resonance Spectrum. <i>ACS Photonics</i> , 2021 , 8, 166-174	6.3	1
272	Boosting Strong Coupling in a Hybrid WSe2 Monolayer-Anapole-Plasmon System. <i>ACS Photonics</i> , 2021 , 8, 489-496	6.3	10
271	Highly Efficient Near-Infrared Detector Based on Optically Resonant Dielectric Nanodisks. <i>Nanomaterials</i> , 2021 , 11,	5.4	4

270	Pushing the limit of high-Q mode of a single dielectric nanocavity. <i>Advanced Photonics</i> , 2021 , 3,	8.1	26
269	Edge Detection with Mie-Resonant Dielectric Metasurfaces. <i>ACS Photonics</i> , 2021 , 8, 864-871	6.3	11
268	Geometry symmetry-free and higher-order optical bound states in the continuum. <i>Nature Communications</i> , 2021 , 12, 4390	17.4	4
267	Anapole Meta-Atoms: Nonradiating Electric and Magnetic Sources. <i>Physical Review Letters</i> , 2021 , 127, 096804	7.4	10
266	Resonant Dielectric Metagratings for Response Intensified Optical Sensing. <i>Advanced Functional Materials</i> , 2021 , 2103143	15.6	3
265	Planar narrow bandpass filter based on Si resonant metasurface. <i>Journal of Applied Physics</i> , 2021 , 130, 053105	2.5	4
264	Sound trapping in an open resonator. <i>Nature Communications</i> , 2021 , 12, 4819	17.4	9
263	Tunable unidirectional nonlinear emission from transition-metal-dichalcogenide metasurfaces. <i>Nature Communications</i> , 2021 , 12, 5597	17.4	10
262	Structured light excitation of toroidal dipoles in dielectric nanodisks. <i>Physical Review B</i> , 2021 , 104,	3.3	4
261	Polarization-independent perfect absorber enabled by quasibound states in the continuum. <i>Physical Review B</i> , 2021 , 104,	3.3	7
260	Deep Learning Enabled Nanophotonics 2020 ,		5
259	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
258	Trends in Quantum Nanophotonics. <i>Advanced Quantum Technologies</i> , 2020 , 3, 1900126	4.3	14
257	Constraint polynomial approach: an alternative to the functional Bethe Ansatz method?. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	2
256	Enhanced light-matter interactions in dielectric nanostructures via machine-learning approach. <i>Advanced Photonics</i> , 2020 , 2, 1	8.1	32
255	Photon-pair generation via bound states in the continuum in nonlinear metasurfaces 2020 ,		1
254	Giant electric and magnetic Purcell factor in dielectric oligomers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, 2738	1.7	8
253	Multipolar second-harmonic generation from high-Q quasi-BIC states in subwavelength resonators. <i>Nanophotonics</i> , 2020 , 9, 3953-3963	6.3	21

252	Nonlinear Metamaterials. <i>Advances in Dynamics, Patterns, Cognition</i> , 2020 , 55-79	0.7	1
251	Forward and Backward Switching of Nonlinear Unidirectional Emission from GaAs Nanoantennas. <i>ACS Nano</i> , 2020 , 14, 1379-1389	16.7	26
250	Synthesizing multi-dimensional excitation dynamics and localization transition in one-dimensional lattices. <i>Nature Photonics</i> , 2020 , 14, 76-81	33.9	21
249	Modifying Mie Resonances and Carrier Dynamics of Silicon Nanoparticles by Dense Electron-Hole Plasmas. <i>Physical Review Applied</i> , 2020 , 13,	4.3	10
248	Seeing the Unseen: Experimental Observation of Magnetic Anapole State Inside a High-Index Dielectric Particle. <i>Annalen Der Physik</i> , 2020 , 532, 2000293	2.6	8
247	Toroidal dipolar excitations in all-dielectric nanostructures. <i>Journal of Physics: Conference Series</i> , 2020 , 1461, 012191	0.3	1
246	Optical beaming of electrical discharges. <i>Nature Communications</i> , 2020 , 11, 5306	17.4	3
245	Mid-infrared polarization-controlled broadband achromatic metadevice. <i>Science Advances</i> , 2020 , 6,	14.3	32
244	Nanoscale Optical Display and Sensing Based on the Modification of Fano Lineshape. <i>Advanced Optical Materials</i> , 2020 , 8, 2000489	8.1	8
243	High Fluence Chromium and Tungsten Bowtie Nano-antennas. <i>Scientific Reports</i> , 2019 , 9, 13023	4.9	3
242	Deep learning beats the optical diffraction limit. <i>Nature Nanotechnology</i> , 2019 , 14, 198-199	28.7	2
241	Resonant harmonic generation in AlGaAs nanoantennas probed by cylindrical vector beams. <i>Nanoscale</i> , 2019 , 11, 1745-1753	7.7	16
240	On the Heisenberg condition in the presence of redundant poles of the S-matrix. <i>Europhysics Letters</i> , 2019 , 126, 30003	1.6	2
239	Tailoring Second-Harmonic Emission from (111)-GaAs Nanoantennas. <i>Nano Letters</i> , 2019 , 19, 3905-3911	11.5	40
238	Coloring solar cells with simultaneously high efficiency by low-index dielectric nanoparticles. <i>Nano Energy</i> , 2019 , 62, 682-690	17.1	19
237	Dynamic Nonlinear Image Tuning through Magnetic Dipole Quasi-BIC Ultrathin Resonators. <i>Advanced Science</i> , 2019 , 6, 1802119	13.6	70
236	High-Efficiency Visible Light Manipulation Using Dielectric Metasurfaces. <i>Scientific Reports</i> , 2019 , 9, 6510	4.9	33
235	Reversible Image Contrast Manipulation with Thermally Tunable Dielectric Metasurfaces. <i>Small</i> , 2019 , 15, e1805142	11	23

234	Enhanced Four-Wave Mixing in Doubly Resonant Si Nanoresonators. <i>ACS Photonics</i> , 2019 , 6, 1295-1301	6.3	18
233	The High-Order Toroidal Moments and Anapole States in All-Dielectric Photonics. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1800266	8.3	76
232	Microstructured Optical Fiber-Based Plasmonic Sensors 2019 , 203-232		10
231	On beautiful analytic structure of the S-matrix. <i>New Journal of Physics</i> , 2019 , 21, 103035	2.9	3
230	Dynamics of destructive Fano resonances. <i>Physical Review A</i> , 2019 , 100,	2.6	4
229	Linear control of light scattering with multiple coherent waves excitation. <i>Optics Letters</i> , 2019 , 44, 5310-5313	5	5
228	Broadband and thermally stable tungsten boride absorber. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, 2744	1.7	3
227	Anapole Near Field Laser Based on AlGaAs Nanodisk 2019 ,		1
226	Damage analysis of a perfect broadband absorber by a femtosecond laser. <i>Scientific Reports</i> , 2019 , 9, 15880	4.9	3
225	Nanoparticle-based metasurfaces for angular independent spectral filtering applications. <i>Journal of Applied Physics</i> , 2019 , 126, 213101	2.5	3
224	Propagation Controlled Photonic Crystal Fiber-Based Plasmonic Sensor via Scaled-Down Approach. <i>IEEE Sensors Journal</i> , 2019 , 19, 962-969	4	29
223	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
222	Enhanced terahertz magnetic dipole response by subwavelength fiber. <i>APL Photonics</i> , 2018 , 3, 051701	5.2	4
221	Third Harmonic Generation Enhanced by Multipolar Interference in Complementary Silicon Metasurfaces. <i>ACS Photonics</i> , 2018 , 5, 1671-1675	6.3	35
220	Ultimate Absorption in Light Scattering by a Finite Obstacle. <i>Physical Review Letters</i> , 2018 , 120, 033902	7.4	19
219	Dynamic Beam Switching by Liquid Crystal Tunable Dielectric Metasurfaces. <i>ACS Photonics</i> , 2018 , 5, 17426-1748	15	150
218	Highly sensitive selectively coated photonic crystal fiber-based plasmonic sensor. <i>Optics Letters</i> , 2018 , 43, 891-894	3	135
217	Lighting up silicon nanoparticles with Mie resonances. <i>Nature Communications</i> , 2018 , 9, 2964	17.4	70

216	Boosting third-harmonic generation by a mirror-enhanced anapole resonator. <i>Light: Science and Applications</i> , 2018 , 7, 44	16.7	81
215	All-Dielectric Metalattice with Enhanced Toroidal Dipole Response. <i>Advanced Optical Materials</i> , 2018 , 6, 1800302	8.1	37
214	Hybrid Metasurface Based Tunable Near-Perfect Absorber and Plasmonic Sensor. <i>Materials</i> , 2018 , 11,	3.5	34
213	High-contrast and reversible scattering switching via hybrid metal-dielectric metasurfaces. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 460-467	3	5
212	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
211	Simultaneously nearly zero forward and nearly zero backward scattering objects. <i>Optics Express</i> , 2018 , 26, 30393-30399	3.3	20
210	Nonlinear frequency conversion in optical nanoantennas and metasurfaces: materials evolution and fabrication. <i>Opto-Electronic Advances</i> , 2018 , 1, 18002101-18002112	6.5	38
209	Highly Sensitive Plasmonic Metasensor with Wide Detection Range 2018 ,		1
208	Selective Third-Harmonic Generation by Structured Light in Mie-Resonant Nanoparticles. <i>ACS Photonics</i> , 2018 , 5, 728-733	6.3	53
207	Isotropic Magnetic Purcell Effect. <i>ACS Photonics</i> , 2018 , 5, 678-683	6.3	25
206	Beam Steering with Dielectric Metalattices. <i>ACS Photonics</i> , 2018 , 5, 1733-1741	6.3	43
205	Extended SSH Model: Non-Local Couplings and Non-Monotonous Edge States 2018 , 1, 2-16	2.1	10
204	Hybrid nanophotonics. <i>Physics-Uspekhi</i> , 2018 , 61, 1035-1050	2.8	24
203	AI to Bypass Creativity. Will Robots Replace Journalists? (The Answer Is Yes) <i>Information (Switzerland)</i> , 2018 , 9, 183	2.6	12
202	Fano Resonances in Light Scattering by Finite Obstacles. <i>Springer Series in Optical Sciences</i> , 2018 , 473-495.5		
201	Photon drag of a Bose-Einstein condensate. <i>Physical Review B</i> , 2018 , 98,	3.3	12
200	Highly-Efficient Longitudinal Second-Harmonic Generation from Doubly-Resonant AlGaAs Nanoantennas. <i>Photonics</i> , 2018 , 5, 29	2.2	16
199	Toroidal dipole bound states in the continuum. <i>Physical Review B</i> , 2018 , 98,	3.3	96

198	Enhanced Spin Hall Effect of Light in Spheres with Dual Symmetry. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1800130	8.3	13
197	Excitation of nonradiating magnetic anapole states with azimuthally polarized vector beams. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 1478-1490	3	20
196	Edge States and Topological Phase Transitions in Chains of Dielectric Nanoparticles. <i>Small</i> , 2017 , 13, 1603190	11	56
195	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
194	Electrically tunable all-dielectric optical metasurfaces based on liquid crystals. <i>Applied Physics Letters</i> , 2017 , 110, 071109	3.4	154
193	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
192	Refractive index sensing with Fano resonances in silicon oligomers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017 , 375,	3	16
191	Nonlinear Symmetry Breaking in Symmetric Oligomers. <i>ACS Photonics</i> , 2017 , 4, 454-461	6.3	25
190	Antiferromagnetic order in hybrid electromagnetic metamaterials. <i>New Journal of Physics</i> , 2017 , 19, 083013	13	13
189	Tunable Optical Bistability and Tristability in Nonlinear Graphene-Wrapped Nanospheres. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 11804-11810	3.8	25
188	Anapole nanolasers for mode-locking and ultrafast pulse generation. <i>Nature Communications</i> , 2017 , 8, 15535	17.4	136
187	Giant field enhancement in high-index dielectric subwavelength particles. <i>Scientific Reports</i> , 2017 , 7, 731	4.9	35
186	Scattering Invisibility With Free-Space Field Enhancement of All-Dielectric Nanoparticles. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1700103	8.3	12
185	Reexamination of Kerker's conditions by means of the phase diagram. <i>Physical Review A</i> , 2017 , 96,	2.6	16
184	Angle-selective all-dielectric Huygens metasurfaces. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 4340023	3	36
183	Reversible Thermal Tuning of All-Dielectric Metasurfaces. <i>Advanced Functional Materials</i> , 2017 , 27, 1700586	9.6	90
182	Active tuning of high-Q dielectric metasurfaces. <i>Applied Physics Letters</i> , 2017 , 111, 053102	3.4	36
181	All-Dielectric Nanophotonic Structures: Exploring the Magnetic Component of Light. <i>Springer Series in Optical Sciences</i> , 2017 , 285-313	0.5	4

180	Multimode directionality in all-dielectric metasurfaces. <i>Physical Review B</i> , 2017 , 95,	3.3	82
179	Designing quantum resonant scatterers at subwavelength scale. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017 , 381, 2860-2865	2.3	3
178	Hybrid anapole modes of high-index dielectric nanoparticles. <i>Physical Review A</i> , 2017 , 95,	2.6	72
177	Ideal Magnetic Dipole Scattering. <i>Physical Review Letters</i> , 2017 , 118, 173901	7.4	101
176	All-dielectric bianisotropic and multimode unidirectional microwave metasurfaces 2017 ,		1
175	Ultrafast pulse generation in integrated arrays of anapole nanolasers 2017 ,		2
174	Tunable Dielectric Metasurfaces Based on the Variation of the Refractive Index of the Environment. <i>JETP Letters</i> , 2017 , 106, 709-715	1.2	7
173	Meta-Optics with Mie Resonances. <i>Optics and Photonics News</i> , 2017 , 28, 24	1.9	104
172	Q-factor enhancement in all-dielectric anisotropic nanoresonators. <i>Physical Review B</i> , 2016 , 94,	3.3	9
171	Q-factor and absorption enhancement for plasmonic anisotropic nanoparticles. <i>Optics Letters</i> , 2016 , 41, 3563-6	3	5
170	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
169	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
168	Optically resonant dielectric nanostructures. <i>Science</i> , 2016 , 354,	33.3	1434
167	Low-threshold optical bistability of graphene-wrapped dielectric composite. <i>Scientific Reports</i> , 2016 , 6, 23354	4.9	26
166	Nonlinear Generation of Vector Beams From AlGaAs Nanoantennas. <i>Nano Letters</i> , 2016 , 16, 7191-7197	11.5	168
165	Experimental demonstration of topological effects in bianisotropic metamaterials. <i>Scientific Reports</i> , 2016 , 6, 22270	4.9	66
164	Energy equipartition and unidirectional emission in a spaser nanolaser. <i>Laser and Photonics Reviews</i> , 2016 , 10, 432-440	8.3	20
163	Generalized Brewster effect in dielectric metasurfaces. <i>Nature Communications</i> , 2016 , 7, 10362	17.4	164

162	Polarisation-independent enhanced scattering by tailoring asymmetric plasmonic systems. <i>Nanoscale</i> , 2016 , 8, 6021-7	7.7	5
161	Highly Efficient Broadband Polarization Control With All-Dielectric Metasurfaces 2016 ,		1
160	Enhanced photonic spin Hall effect with subwavelength topological edge states. <i>Laser and Photonics Reviews</i> , 2016 , 10, 656-664	8.3	25
159	Electrical tuning of all dielectric metasurfaces 2016 ,		1
158	Invited Article: Broadband highly efficient dielectric metadevices for polarization control. <i>APL Photonics</i> , 2016 , 1, 030801	5.2	248
157	SPASER as a complex system: femtosecond dynamics traced by ab-initio simulations 2016 ,		1
156	Strong Magnetic Response of Optical Nanofibers. <i>ACS Photonics</i> , 2016 , 3, 972-978	6.3	13
155	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
154	Circular dichroism induced by Fano resonances in planar chiral oligomers. <i>Laser and Photonics Reviews</i> , 2016 , 10, 137-146	8.3	72
153	Electric and magnetic hotspots in dielectric nanowire dimers. <i>Nanoscale</i> , 2015 , 7, 5963-8	7.7	35
152	Functional and nonlinear optical metasurfaces. <i>Laser and Photonics Reviews</i> , 2015 , 9, 195-213	8.3	327
151	Circular dichroism from Fano resonances in planar chiral oligomers 2015 ,		2
150	Nonlinear Interference and Tailorable Third-Harmonic Generation from Dielectric Oligomers. <i>ACS Photonics</i> , 2015 , 2, 578-582	6.3	99
149	All-dielectric multilayer cylindrical structures for invisibility cloaking. <i>Scientific Reports</i> , 2015 , 5, 9574	4.9	37
148	Subwavelength topological edge States in optically resonant dielectric structures. <i>Physical Review Letters</i> , 2015 , 114, 123901	7.4	106
147	Probing magnetic and electric optical responses of silicon nanoparticles. <i>Applied Physics Letters</i> , 2015 , 106, 171110	3.4	50
146	Interplay of Magnetic Responses in All-Dielectric Oligomers To Realize Magnetic Fano Resonances. <i>ACS Photonics</i> , 2015 , 2, 724-729	6.3	82
145	Single protein sensing with asymmetric plasmonic hexamer via Fano resonance enhanced two-photon luminescence. <i>Nanoscale</i> , 2015 , 7, 20405-13	7.7	23

144	Efficient excitation and tuning of toroidal dipoles within individual homogenous nanoparticles. <i>Optics Express</i> , 2015 , 23, 24738-47	3.3	29
143	Ultrafast All-Optical Switching with Magnetic Resonances in Nonlinear Dielectric Nanostructures. <i>Nano Letters</i> , 2015 , 15, 6985-90	11.5	272
142	Substrate-Induced Resonant Magnetolectric Effects for Dielectric Nanoparticles. <i>ACS Photonics</i> , 2015 , 2, 1423-1428	6.3	90
141	Invisible nanowires with interfering electric and toroidal dipoles. <i>Optics Letters</i> , 2015 , 40, 2293-6	3	93
140	Superabsorption of light by nanoparticles. <i>Nanoscale</i> , 2015 , 7, 18897-901	7.7	11
139	Hybrid Metal-Dielectric Nanoantennas for Directional Emission Enhancement 2015 ,		1
138	Superabsorption of light by multilayer nanowires. <i>Nanoscale</i> , 2015 , 7, 17658-63	7.7	20
137	Nonradiating anapole modes in dielectric nanoparticles. <i>Nature Communications</i> , 2015 , 6, 8069	17.4	457
136	Photonic topological Chern insulators based on Tellegen metacrystals. <i>New Journal of Physics</i> , 2015 , 17, 125015	2.9	21
135	Tunable nonlinear graphene metasurfaces. <i>Physical Review B</i> , 2015 , 92,	3.3	46
134	Optical Metacages. <i>Physical Review Letters</i> , 2015 , 115, 215501	7.4	16
133	Hybridization and the origin of Fano resonances in symmetric nanoparticle trimers. <i>Physical Review B</i> , 2015 , 92,	3.3	28
132	Comment on "electromagnetic radiation under explicit symmetry breaking". <i>Physical Review Letters</i> , 2015 , 115, 119701	7.4	4
131	An antenna model for the Purcell effect. <i>Scientific Reports</i> , 2015 , 5, 12956	4.9	115
130	Toroidal dipole-induced transparency in core-shell nanoparticles. <i>Laser and Photonics Reviews</i> , 2015 , 9, 564-570	8.3	79
129	Elusive Pure Anapole Excitation in Homogenous Spherical Nanoparticles with Radial Anisotropy. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-7	3.2	10
128	Fano Resonance Enhanced Nonreciprocal Absorption and Scattering of Light. <i>Photonics</i> , 2015 , 2, 745-752	7.2	6
127	Mapping plasmonic topological states at the nanoscale. <i>Nanoscale</i> , 2015 , 7, 11904-8	7.7	61

126	Metamaterials Tunable with Liquid Crystals. <i>Springer Series in Materials Science</i> , 2015 , 237-253	0.9	3
125	Observation of Fano resonances in all-dielectric nanoparticle oligomers. <i>Small</i> , 2014 , 10, 1985-90	11	148
124	Reconfigurable nonreciprocity with a nonlinear Fano diode. <i>Physical Review B</i> , 2014 , 89,	3.3	39
123	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
122	Nonlocal surface plasmon amplification by stimulated emission of radiation. <i>Physical Review A</i> , 2014 , 89,	2.6	10
121	Topological Majorana States in Zigzag Chains of Plasmonic Nanoparticles. <i>ACS Photonics</i> , 2014 , 1, 101-106	3	95
120	Subwavelength waveguides composed of dielectric nanoparticles. <i>Physical Review B</i> , 2014 , 89,	3.3	68
119	Split-ball resonator as a three-dimensional analogue of planar split-rings. <i>Nature Communications</i> , 2014 , 5, 3104	17.4	44
118	Bending of electromagnetic waves in all-dielectric particle array waveguides. <i>Applied Physics Letters</i> , 2014 , 105, 181116	3.4	33
117	Optimization of cloaking in all dielectric multi-layer structures 2014 ,		1
116	Enhanced third-harmonic generation in silicon nanoparticles driven by magnetic response. <i>Nano Letters</i> , 2014 , 14, 6488-92	11.5	383
115	Control of light scattering by nanoparticles with optically-induced magnetic responses. <i>Chinese Physics B</i> , 2014 , 23, 047806	1.2	42
114	Second-harmonic generation by a graphene nanoparticle. <i>Physical Review B</i> , 2014 , 90,	3.3	58
113	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
112	Near-Field Mapping of Optical Modes on All-Dielectric Silicon Nanodisks. <i>ACS Photonics</i> , 2014 , 1, 794-798	3	58
111	All-Dielectric Optical Nanoantennas 2014 ,		6
110	Optical Tamm states in arrays of all-dielectric nanoparticles. <i>JETP Letters</i> , 2014 , 100, 430-433	1.2	7
109	Rotational symmetry and nanoparticle oligomers as a platform for Fano resonances and chirality 2014 ,		1

108	Near-field mapping of Fano resonances in all-dielectric oligomers. <i>Applied Physics Letters</i> , 2014 , 104, 021104	3.4	59
107	Superscattering of light optimized by a genetic algorithm. <i>Applied Physics Letters</i> , 2014 , 105, 011109	3.4	52
106	Hybrid nanoantennas for directional emission enhancement. <i>Applied Physics Letters</i> , 2014 , 105, 221109	3.4	67
105	Fano resonances in high-index dielectric photonic structures 2014 ,		2
104	Beyond the hybridization effects in plasmonic nanoclusters: diffraction-induced enhanced absorption and scattering. <i>Small</i> , 2014 , 10, 576-83	11	29
103	Nano-Fano Resonances and Topological Optics 2014 , 285-309		
102	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
101	Tailoring directional scattering through magnetic and electric resonances in subwavelength silicon nanodisks. <i>ACS Nano</i> , 2013 , 7, 7824-32	16.7	754
100	Revisiting the physics of Fano resonances for nanoparticle oligomers. <i>Physical Review A</i> , 2013 , 88,	2.6	109
99	Applied physics. Polarization traffic control for surface plasmons. <i>Science</i> , 2013 , 340, 283-4	33.3	47
98	Dual-channel spontaneous emission of quantum dots in magnetic metamaterials. <i>Nature Communications</i> , 2013 , 4, 2949	17.4	52
97	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
96	All-dielectric nanoantennas 2013 ,		3
95	Optical nanoantennas. <i>Physics-Uspekhi</i> , 2013 , 56, 539-564	2.8	146
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