

Marin Soljacic

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.

267
papers

28,936
citations

77
h-index

167
g-index

328
ext. papers

36,240
ext. citations

10.6
avg, IF

7.42
L-index

#	Paper	IF	Citations
267	Toward 3D-Printed Inverse-Designed Metaoptics. <i>ACS Photonics</i> , 2022 , 9, 43-51	6.3	3
266	Controlling two-photon emission from superluminal and accelerating index perturbations. <i>Nature Physics</i> , 2022 , 18, 67-74	16.2	1
265	A framework for scintillation in nanophotonics.. <i>Science</i> , 2022 , 375, eabm9293	33.3	11
264	End-to-end nanophotonic inverse design for imaging and polarimetry. <i>Nanophotonics</i> , 2021 , 10, 1177-1187	18.7	10
263	Control of quantum electrodynamical processes by shaping electron wavepackets. <i>Nature Communications</i> , 2021 , 12, 1700	17.4	7
262	Quantum surface-response of metals revealed by acoustic graphene plasmons. <i>Nature Communications</i> , 2021 , 12, 3271	17.4	11
261	Enhancing Plasmonic Spectral Tunability with Anomalous Material Dispersion. <i>Nano Letters</i> , 2021 , 21, 91-98	11.5	1
260	Computational inverse design for ultra-compact single-piece metalenses free of chromatic and angular aberration. <i>Applied Physics Letters</i> , 2021 , 118, 041104	3.4	9
259	Casimir Light in Dispersive Nanophotonics. <i>Physical Review Letters</i> , 2021 , 127, 053603	7.4	5
258	Submicrometer perovskite plasmonic lasers at room temperature. <i>Science Advances</i> , 2021 , 7,	14.3	8
257	A Brewster route to Cherenkov detectors. <i>Nature Communications</i> , 2021 , 12, 5554	17.4	7
256	Monochromatic X-ray Source Based on Scattering from a Magnetic Nanoundulator. <i>ACS Photonics</i> , 2020 , 7, 1096-1103	6.3	3
255	Plasmon-emitter interactions at the nanoscale. <i>Nature Communications</i> , 2020 , 11, 366	17.4	38
254	Heuristic recurrent algorithms for photonic Ising machines. <i>Nature Communications</i> , 2020 , 11, 249	17.4	31
253	Plasmonics in argentene. <i>Physical Review Materials</i> , 2020 , 4,	3.2	7
252	Predictive and generative machine learning models for photonic crystals. <i>Nanophotonics</i> , 2020 , 9, 4183-4192	19.2	20
251	Non-Abelian generalizations of the Hofstadter model: spin-orbit-coupled butterfly pairs. <i>Light: Science and Applications</i> , 2020 , 9, 177	16.7	2

250	Extracting Interpretable Physical Parameters from Spatiotemporal Systems Using Unsupervised Learning. <i>Physical Review X</i> , 2020 , 10,	9.1	8
249	Observation of topologically enabled unidirectional guided resonances. <i>Nature</i> , 2020 , 580, 467-471	50.4	74
248	Synthesis and observation of non-Abelian gauge fields in real space. <i>Science</i> , 2019 , 365, 1021-1025	33.3	24
247	Large-Scale Optical Neural Networks Based on Photoelectric Multiplication. <i>Physical Review X</i> , 2019 , 9,	9.1	72
246	Migrating Knowledge between Physical Scenarios Based on Artificial Neural Networks. <i>ACS Photonics</i> , 2019 , 6, 1168-1174	6.3	51
245	Gated Orthogonal Recurrent Units: On Learning to Forget. <i>Neural Computation</i> , 2019 , 31, 765-783	2.9	27
244	Ultrafast Multiharmonic Plasmon Generation by Optically Dressed Electrons. <i>Physical Review Letters</i> , 2019 , 122, 053901	7.4	6
243	Towards integrated tunable all-silicon free-electron light sources. <i>Nature Communications</i> , 2019 , 10, 3176	17.4	30
242	Bound States in the Continuum in Fiber Bragg Gratings. <i>ACS Photonics</i> , 2019 , 6, 2996-3002	6.3	28
241	Light emission based on nanophotonic vacuum forces. <i>Nature Physics</i> , 2019 , 15, 1284-1289	16.2	17
240	Practical emitters for thermophotovoltaics: a review. <i>Journal of Photonics for Energy</i> , 2019 , 9, 1	1.2	44
239	Photonic Recurrent Ising Sampler 2019 ,		1
238	Shaping long-lived electron wavepackets for customizable optical spectra. <i>Optica</i> , 2019 , 6, 1089	8.6	
237	Controlling spins with surface magnon polaritons. <i>Physical Review B</i> , 2019 , 100,	3.3	8
236	Topologically enabled ultrahigh-Q guided resonances robust to out-of-plane scattering. <i>Nature</i> , 2019 , 574, 501-504	50.4	149
235	A general theoretical and experimental framework for nanoscale electromagnetism. <i>Nature</i> , 2019 , 576, 248-252	50.4	54
234	Multifrequency Superscattering from Subwavelength Hyperbolic Structures. <i>ACS Photonics</i> , 2018 , 5, 1506-1511	6.3	46
233	Observation of bulk Fermi arc and polarization half charge from paired exceptional points. <i>Science</i> , 2018 , 359, 1009-1012	33.3	276

232	Large Photothermal Effect in Sub-40 nm h-BN Nanostructures Patterned Via High-Resolution Ion Beam. <i>Small</i> , 2018 , 14, e1800072	11	10
231	Active Radiative Thermal Switching with Graphene Plasmon Resonators. <i>ACS Nano</i> , 2018 , 12, 2474-2481	16.7	50
230	Ultralight Angstrom-Scale Optimal Optical Reflectors. <i>ACS Photonics</i> , 2018 , 5, 384-389	6.3	8
229	Superlight inverse Doppler effect. <i>Nature Physics</i> , 2018 , 14, 1001-1005	16.2	34
228	Maximal spontaneous photon emission and energy loss from free electrons. <i>Nature Physics</i> , 2018 , 14, 894-899	16.2	52
227	Shaping Polaritons to Reshape Selection Rules. <i>ACS Photonics</i> , 2018 , 5, 3064-3072	6.3	13
226	Towards a portable mesoscale thermophotovoltaic generator. <i>Journal of Physics: Conference Series</i> , 2018 , 1052, 012041	0.3	3
225	Control of semiconductor emitter frequency by increasing polariton momenta. <i>Nature Photonics</i> , 2018 , 12, 423-429	33.9	24
224	A high-efficiency regime for gas-phase terahertz lasers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 6614-6619	11.5	11
223	Tunable UV-Emitters through Graphene Plasmonics. <i>Nano Letters</i> , 2018 , 18, 308-313	11.5	18
222	Improved Omnidirectional 2D Photonic Crystal Selective Emitter for Thermophotovoltaics. <i>Journal of Physics: Conference Series</i> , 2018 , 1052, 012056	0.3	0
221	Passive directional sub-ambient daytime radiative cooling. <i>Nature Communications</i> , 2018 , 9, 5001	17.4	106
220	Metasurface-based multi-harmonic free-electron light source. <i>Light: Science and Applications</i> , 2018 , 7, 64	16.7	30
219	Nonperturbative Quantum Electrodynamics in the Cherenkov Effect. <i>Physical Review X</i> , 2018 , 8,	9.1	4
218	Smith-Purcell Radiation from Low-Energy Electrons. <i>ACS Photonics</i> , 2018 , 5, 3513-3518	6.3	24
217	Polarization-Independent Optical Broadband Angular Selectivity. <i>ACS Photonics</i> , 2018 , 5, 4125-4131	6.3	9
216	Quantum plasmons with optical-range frequencies in doped few-layer graphene. <i>Physical Review B</i> , 2018 , 97,	3.3	13
215	Nanophotonic particle simulation and inverse design using artificial neural networks. <i>Science Advances</i> , 2018 , 4, eaar4206	14.3	335

214	Controlling Cherenkov angles with resonance transition radiation. <i>Nature Physics</i> , 2018 , 14, 816-821	16.2	54
213	Quantum Hall Effect with Composites of Magnetic Flux Tubes and Charged Particles. <i>Physical Review Letters</i> , 2018 , 120, 267201	7.4	3
212	Photothermal Effect: Large Photothermal Effect in Sub-40 nm h-BN Nanostructures Patterned Via High-Resolution Ion Beam (Small 22/2018). <i>Small</i> , 2018 , 14, 1870101	11	1
211	Splashing transients of 2D plasmons launched by swift electrons. <i>Science Advances</i> , 2017 , 3, e1601192	14.3	52
210	Dynamically Encircling Exceptional Points: Exact Evolution and Polarization State Conversion. <i>Physical Review Letters</i> , 2017 , 118, 093002	7.4	135
209	Low-Loss Plasmonic Dielectric Nanoresonators. <i>Nano Letters</i> , 2017 , 17, 3238-3245	11.5	84
208	Enabling efficient heat-to-electricity generation at the mesoscale. <i>Energy and Environmental Science</i> , 2017 , 10, 1367-1371	35.4	20
207	Deep learning with coherent nanophotonic circuits. <i>Nature Photonics</i> , 2017 , 11, 441-446	33.9	860
206	All-angle negative refraction of highly squeezed plasmon and phonon polaritons in graphene-boron nitride heterostructures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6717-6721	11.5	107
205	Constructing Designer Atoms Via Resonant Graphene-Induced Lamb Shifts. <i>ACS Photonics</i> , 2017 , 4, 3098-3105	6.3	9
204	Deep learning with coherent nanophotonic circuits 2017 ,		10
203	Laser-Induced Linear-Field Particle Acceleration in Free Space. <i>Scientific Reports</i> , 2017 , 7, 11159	4.9	28
202	Combined selective emitter and filter for high performance incandescent lighting. <i>Applied Physics Letters</i> , 2017 , 111, 094103	3.4	5
201	Limits to the Optical Response of Graphene and Two-Dimensional Materials. <i>Nano Letters</i> , 2017 , 17, 5408-5415	8.15	27
200	Topologically enabled optical nanomotors. <i>Science Advances</i> , 2017 , 3, e1602738	14.3	15
199	Quantum Corrections in Nanoplasmonics: Shape, Scale, and Material. <i>Physical Review Letters</i> , 2017 , 118, 157402	7.4	77
198	Infrared Topological Plasmons in Graphene. <i>Physical Review Letters</i> , 2017 , 118, 245301	7.4	92
197	Spectral and spatial shaping of Smith-Purcell radiation. <i>Physical Review A</i> , 2017 , 96,	2.6	25

196	Making two-photon processes dominate one-photon processes using mid-IR phonon polaritons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 13607-13612	11.5	31
195	General theory of spontaneous emission near exceptional points. <i>Optics Express</i> , 2017 , 25, 12325-12348	3.3	79
194	High performance incandescent light bulb using a selective emitter and nanophotonic filters 2017 ,		1
193	Shaping Polaritons to Reshape Selection Rules 2017 ,		3
192	Narrowband Metamaterial Absorber for Terahertz Secure Labeling. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2017 , 38, 1120-1129	2.2	13
191	High-order Smith-Purcell radiation in Silicon Nanowires 2017 ,		3
190	Transverse-electric Brewster effect enabled by nonmagnetic two-dimensional materials. <i>Physical Review A</i> , 2016 , 94,	2.6	20
189	Direct imaging of isofrequency contours in photonic structures. <i>Science Advances</i> , 2016 , 2, e1601591	14.3	18
188	Efficient plasmonic emission by the quantum ħrenkov effect from hot carriers in graphene. <i>Nature Communications</i> , 2016 , 7, ncomms11880	17.4	51
187	Fundamental limits to optical response in absorptive systems. <i>Optics Express</i> , 2016 , 24, 3329-64	3.3	90
186	Shrinking light to allow forbidden transitions on the atomic scale. <i>Science</i> , 2016 , 353, 263-9	33.3	134
185	Quantum ħrenkov Radiation: Spectral Cutoffs and the Role of Spin and Orbital Angular Momentum. <i>Physical Review X</i> , 2016 , 6,	9.1	36
184	Enhanced photovoltaic energy conversion using thermally based spectral shaping. <i>Nature Energy</i> , 2016 , 1,	62.3	170
183	Controlling Directionality and Dimensionality of Radiation by Perturbing Separable Bound States in the Continuum. <i>Scientific Reports</i> , 2016 , 6, 33394	4.9	24
182	Probing topological protection using a designer surface plasmon structure. <i>Nature Communications</i> , 2016 , 7, 11619	17.4	150
181	Bound states in the continuum. <i>Nature Reviews Materials</i> , 2016 , 1,	73.3	900
180	Roadmap on optical energy conversion. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 073004	1.7	69
179	Optically Thin Metallic Films for High-Radiative-Efficiency Plasmonics. <i>Nano Letters</i> , 2016 , 16, 4110-7	11.5	13

178	Exploiting Optical Asymmetry for Controlled Guiding of Particles with Light. <i>ACS Photonics</i> , 2016 , 3, 197-202	2.9	31
177	Sputtered Tantalum Photonic Crystal Coatings for High-Temperature Energy Conversion Applications. <i>IEEE Nanotechnology Magazine</i> , 2016 , 15, 303-309	2.6	17
176	Invisible metallic mesh. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2568-72	11.5	16
175	Substrate-Independent Light Confinement in Bioinspired All-Dielectric Surface Resonators. <i>ACS Photonics</i> , 2016 , 3, 532-536	6.3	7
174	Tailoring high-temperature radiation and the resurrection of the incandescent source. <i>Nature Nanotechnology</i> , 2016 , 11, 320-4	28.7	122
173	Symmetry-protected topological photonic crystal in three dimensions. <i>Nature Physics</i> , 2016 , 12, 337-340	16.2	182
172	Towards graphene plasmon-based free-electron infrared to X-ray sources. <i>Nature Photonics</i> , 2016 , 10, 46-52	33.9	76
171	Topological photonic crystal in three dimensions 2016 ,		1
170	On-Chip Optical Neuromorphic Computing 2016 ,		2
169	Perfect single-sided radiation and absorption without mirrors. <i>Optica</i> , 2016 , 3, 1079	8.6	47
168	An integrated microcombustor and photonic crystal emitter for thermophotovoltaics. <i>Journal of Physics: Conference Series</i> , 2016 , 773, 012108	0.3	2
167	Topological magnetoplasmon. <i>Nature Communications</i> , 2016 , 7, 13486	17.4	68
166	Formation mechanism of guided resonances and bound states in the continuum in photonic crystal slabs. <i>Scientific Reports</i> , 2016 , 6, 31908	4.9	64
165	Tailoring the energy distribution and loss of 2D plasmons. <i>New Journal of Physics</i> , 2016 , 18, 105007	2.9	30
164	Broadband angular selectivity of light at the nanoscale: Progress, applications, and outlook. <i>Applied Physics Reviews</i> , 2016 , 3, 011103	17.3	41
163	Electromagnetic pathway: Flexible yet robust. <i>Nature Materials</i> , 2016 , 15, 494-5	27	1
162	TOPOLOGICAL MATTER. Experimental observation of Weyl points. <i>Science</i> , 2015 , 349, 622-4	33.3	609
161	Optimization of sharp and viewing-angle-independent structural color. <i>Optics Express</i> , 2015 , 23, 9516-26	3.3	8

160	Weyl points in photonic-crystal superlattices. <i>2D Materials</i> , 2015 , 2, 034013	5.9	27
159	Spawning rings of exceptional points out of Dirac cones. <i>Nature</i> , 2015 , 525, 354-8	50.4	392
158	Weyl Points in Three-Dimensional Optical Lattices: Synthetic Magnetic Monopoles in Momentum Space. <i>Physical Review Letters</i> , 2015 , 114, 225301	7.4	126
157	Experimental Observation of Large Chern Numbers in Photonic Crystals. <i>Physical Review Letters</i> , 2015 , 115, 253901	7.4	142
156	Binary matrices of optimal autocorrelations as alignment marks. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015 , 33, 021601	1.3	1
155	Thick sputtered tantalum coatings for high-temperature energy conversion applications. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2015 , 33, 061204	2.9	5
154	The Harper-Hofstadter Hamiltonian and conical diffraction in photonic lattices with grating assisted tunneling. <i>New Journal of Physics</i> , 2015 , 17, 125002	2.9	11
153	Nanoengineered Surfaces for Thermal Energy Conversion. <i>Journal of Physics: Conference Series</i> , 2015 , 660, 012036	0.3	2
152	Photonic Crystal Enabled Thermophotovoltaics for a Portable Microgenerator. <i>Journal of Physics: Conference Series</i> , 2015 , 660, 012069	0.3	4
151	Photonic Crystal Emitters for Thermophotovoltaic Energy Conversion. <i>Journal of Physics: Conference Series</i> , 2015 , 660, 012080	0.3	2
150	Broadband surface-wave transformation cloak. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 7635-8	11.5	47
149	Photonic crystal enhanced silicon cell based thermophotovoltaic systems. <i>Optics Express</i> , 2015 , 23, A157368	3.68	15
148	Structural Colors from Fano Resonances. <i>ACS Photonics</i> , 2015 , 2, 27-32	6.3	88
147	Design of wide-angle selective absorbers/emitters with dielectric filled metallic photonic crystals for energy applications. <i>Optics Express</i> , 2014 , 22 Suppl 1, A144-54	3.3	56
146	Optical broadband angular selectivity. <i>Science</i> , 2014 , 343, 1499-501	33.3	145
145	A nanophotonic solar thermophotovoltaic device. <i>Nature Nanotechnology</i> , 2014 , 9, 126-30	28.7	543
144	Transparent displays enabled by resonant nanoparticle scattering. <i>Nature Communications</i> , 2014 , 5, 3152	7.4	143
143	Solar thermophotovoltaic energy conversion systems with two-dimensional tantalum photonic crystal absorbers and emitters. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 122, 287-296	6.4	125

142	Modeling of threshold and dynamics behavior of organic nanostructured lasers. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1463	7.1	18
141	Thermal emission: ultrafast dynamic control. <i>Nature Materials</i> , 2014 , 13, 920-1	27	3
140	Topological photonics. <i>Nature Photonics</i> , 2014 , 8, 821-829	33.9	1659
139	Effects of screening on the optical absorption in graphene and in metallic monolayers. <i>Physical Review B</i> , 2014 , 89,	3.3	9
138	Enabling ideal selective solar absorption with 2D metallic dielectric photonic crystals. <i>Advanced Materials</i> , 2014 , 26, 8041-5	24	98
137	Theoretical criteria for scattering dark states in nanostructured particles. <i>Nano Letters</i> , 2014 , 14, 2783-811.5	64	
136	Metallic Photonic Crystal Absorber-Emitter for Efficient Spectral Control in High-Temperature Solar Thermophotovoltaics. <i>Advanced Energy Materials</i> , 2014 , 4, 1400334	21.8	171
135	Multimode one-way waveguides of large Chern numbers. <i>Physical Review Letters</i> , 2014 , 113, 113904	7.4	160
134	Fabricating centimeter-scale high quality factor two-dimensional periodic photonic crystal slabs. <i>Optics Express</i> , 2014 , 22, 3724-31	3.3	4
133	Global optimization of omnidirectional wavelength selective emitters/absorbers based on dielectric-filled anti-reflection coated two-dimensional metallic photonic crystals. <i>Optics Express</i> , 2014 , 22, 21711-8	3.3	30
132	Superlattice photonic crystal as broadband solar absorber for high temperature operation. <i>Optics Express</i> , 2014 , 22 Suppl 7, A1895-906	3.3	31
131	Topological nature of optical bound states in the continuum. <i>Physical Review Letters</i> , 2014 , 113, 257401	7.4	324
130	Larger-area single-mode photonic crystal surface-emitting lasers enabled by an accidental Dirac point. <i>Optics Letters</i> , 2014 , 39, 2072-5	3	40
129	Metamaterial broadband angular selectivity. <i>Physical Review B</i> , 2014 , 90,	3.3	29
128	Performance of tantalum-tungsten alloy selective emitters in thermophotovoltaic systems 2014 ,		2
127	Tantalum-tungsten alloy photonic crystals for high-temperature energy conversion systems 2014 ,		1
126	Omnidirectional wavelength selective emitters/absorbers based on dielectric-filled anti-reflection coated two-dimensional metallic photonic crystals 2014 ,		2
125	Enabling Enhanced Emission and Low Threshold Lasing of Organic Molecules Using Special Fano Resonances of Macroscopic Photonic Crystals 2014 ,		1

124	Observation of trapped light within the radiation continuum. <i>Nature</i> , 2013 , 499, 188-91	50.4	590
123	Weyl points and line nodes in gyroid photonic crystals. <i>Nature Photonics</i> , 2013 , 7, 294-299	33.9	418
122	. <i>Proceedings of the IEEE</i> , 2013 , 101, 1689-1704	14.3	181
121	Bloch surface eigenstates within the radiation continuum. <i>Light: Science and Applications</i> , 2013 , 2, e84-e86	16.7	117
120	Layer-by-layer self-assembly of plexcitonic nanoparticles. <i>Optics Express</i> , 2013 , 21, 19103-12	3.3	16
119	Super-collimation with high frequency sensitivity in 2D photonic crystals induced by saddle-type van Hove singularities. <i>Optics Express</i> , 2013 , 21, 30140-7	3.3	19
118	Stimulated Brillouin scattering in nanoscale silicon step-index waveguides: a general framework of selection rules and calculating SBS gain. <i>Optics Express</i> , 2013 , 21, 31402-19	3.3	77
117	Large-area fabrication of high aspect ratio tantalum photonic crystals for high-temperature selective emitters. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2013 , 31, 011802	1.3	62
116	Low emissivity high-temperature tantalum thin film coatings for silicon devices. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2013 , 31, 011501	2.9	7
115	Evolution of sputtered tungsten coatings at high temperature. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2013 , 31, 061505	2.9	20
114	Enabling enhanced emission and low-threshold lasing of organic molecules using special Fano resonances of macroscopic photonic crystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13711-6	11.5	76
113	An all-metallic microburner for a millimeter-scale thermophotovoltaic generator. <i>Journal of Physics: Conference Series</i> , 2013 , 476, 012017	0.3	8
112	Toward high-energy-density, high-efficiency, and moderate-temperature chip-scale thermophotovoltaics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 5309-14	11.5	128
111	Performance analysis of experimentally viable photonic crystal enhanced thermophotovoltaic systems. <i>Optics Express</i> , 2013 , 21 Suppl 6, A1035-51	3.3	45
110	High-temperature stability and selective thermal emission of polycrystalline tantalum photonic crystals. <i>Optics Express</i> , 2013 , 21, 11482-91	3.3	116
109	Recent developments in high-temperature photonic crystals for energy conversion. <i>Energy and Environmental Science</i> , 2012 , 5, 8815	35.4	106
108	Near-field thermal radiation transfer controlled by plasmons in graphene. <i>Physical Review B</i> , 2012 , 85,	3.3	159
107	Gyrotropic response in the absence of a bias field. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 13194-7	11.5	66

106	Waveguiding at the edge of a three-dimensional photonic crystal. <i>Physical Review Letters</i> , 2012 , 108, 243901	7.4	32
105	Enabling single-mode behavior over large areas with photonic Dirac cones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 9761-5	11.5	38
104	Three-dimensional photonic crystals by large-area membrane stacking. <i>Optics Letters</i> , 2012 , 37, 4726-8	3	10
103	Optimization of broadband optical response of multilayer nanospheres. <i>Optics Express</i> , 2012 , 20, 18494-504	3.4	22
102	Flat photonic surface bands pinned between Dirac points. <i>Optics Letters</i> , 2012 , 37, 5262-4	3	9
101	Observation and differentiation of unique high-Q optical resonances near zero wave vector in macroscopic photonic crystal slabs. <i>Physical Review Letters</i> , 2012 , 109, 067401	7.4	195
100	Overcoming the black body limit in plasmonic and graphene near-field thermophotovoltaic systems. <i>Optics Express</i> , 2012 , 20, A366-84	3.3	169
99	Enabling high-temperature nanophotonics for energy applications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 2280-5	11.5	166
98	Design and global optimization of high-efficiency solar thermal systems with tungsten cermet. <i>Optics Express</i> , 2011 , 19 Suppl 3, A245-57	3.3	47
97	Low-threshold lasing action in photonic crystal slabs enabled by Fano resonances. <i>Optics Express</i> , 2011 , 19, 1539-62	3.3	70
96	Spatio-temporal theory of lasing action in optically-pumped rotationally excited molecular gases. <i>Optics Express</i> , 2011 , 19, 7513-29	3.3	9
95	Transverse electric plasmons in bilayer graphene. <i>Optics Express</i> , 2011 , 19, 11236-41	3.3	63
94	Abrupt coupling between strongly dissimilar waveguides with 100% transmission. <i>Optics Express</i> , 2011 , 19, 13714-21	3.3	3
93	Broadband circulators based on directional coupling of one-way waveguides. <i>Optics Express</i> , 2011 , 19, 22248-57	3.3	45
92	Tailoring photonic metamaterial resonances for thermal radiation. <i>Nanoscale Research Letters</i> , 2011 , 6, 549	5	41
91	Unconventional plasmon-phonon coupling in graphene. <i>Physical Review B</i> , 2011 , 83,	3.3	42
90	Frequency-selective near-field radiative heat transfer between photonic crystal slabs: a computational approach for arbitrary geometries and materials. <i>Physical Review Letters</i> , 2011 , 107, 114302	7.4	132
89	Angular photonic band gap. <i>Physical Review A</i> , 2011 , 83,	2.6	23

88	Degenerate four-wave mixing in triply resonant Kerr cavities. <i>Physical Review A</i> , 2011 , 83,	2.6	22
87	Design and global optimization of high-efficiency thermophotovoltaic systems. <i>Optics Express</i> , 2010 , 18 Suppl 3, A314-34	3.3	189
86	Simultaneous mid-range power transfer to multiple devices. <i>Applied Physics Letters</i> , 2010 , 96, 044102	3.4	243
85	Plasmonic-dielectric systems for high-order dispersionless slow or stopped subwavelength light. <i>Physical Review Letters</i> , 2009 , 103, 043906	7.4	24
84	Nonlinear harmonic generation and devices in doubly resonant Kerr cavities. <i>Physical Review A</i> , 2009 , 79,	2.6	29
83	Efficient weakly-radiative wireless energy transfer: An EIT-like approach. <i>Annals of Physics</i> , 2009 , 324, 1783-1795	2.5	100
82	Observation of unidirectional backscattering-immune topological electromagnetic states. <i>Nature</i> , 2009 , 461, 772-5	50.4	1535
81	Plasmonics in graphene at infrared frequencies. <i>Physical Review B</i> , 2009 , 80,	3.3	1513
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