Marin SoljaÄiÄ

List of Publications by Year
in descending order

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325	41,511	4388 86	2280 200
papers	citations	h-index	g-index

328	328	328	21692
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Toward 3D-Printed Inverse-Designed Metaoptics. ACS Photonics, 2022, 9, 43-51.	6.6	23
2	Controlling two-photon emission from superluminal and accelerating index perturbations. Nature Physics, 2022, 18, 67-74.	16.7	13
3	A framework for scintillation in nanophotonics. Science, 2022, 375, eabm9293.	12.6	59
4	Enhancing Plasmonic Spectral Tunability with Anomalous Material Dispersion. Nano Letters, 2021, 21, 91-98.	9.1	6
5	Computational inverse design for ultra-compact single-piece metalenses free of chromatic and angular aberration. Applied Physics Letters, 2021, 118, .	3.3	37
6	Control of quantum electrodynamical processes by shaping electron wavepackets. Nature Communications, 2021, 12, 1700.	12.8	34
7	Quantum surface-response of metals revealed by acoustic graphene plasmons. Nature Communications, 2021, 12, 3271.	12.8	27
8	Casimir Light in Dispersive Nanophotonics. Physical Review Letters, 2021, 127, 053603.	7.8	21
9	Submicrometer perovskite plasmonic lasers at room temperature. Science Advances, 2021, 7, .	10.3	25
10	A Brewster route to Cherenkov detectors. Nature Communications, 2021, 12, 5554.	12.8	24
11	Three-dimensional non-Abelian generalizations of the Hofstadter model: Spin-orbit-coupled butterfly trios. Physical Review B, 2021, 104, .	3.2	2
12	End-to-end nanophotonic inverse design for imaging and polarimetry. Nanophotonics, 2021, 10, 1177-1187.	6.0	48
13	Enabling Manufacturable Optical Broadband Angular-Range Selective Films. ACS Nano, 2021, 15, 19917-19923.	14.6	3
14	Non-Abelian generalizations of the Hofstadter model: spinâ€“orbit-coupled butterfly pairs. Light: Science and Applications, 2020, 9, 177.	16.6	15
15	Extracting Interpretable Physical Parameters from Spatiotemporal Systems Using Unsupervised Learning. Physical Review X, 2020, 10, .	8.9	23
16	Monochromatic X-ray Source Based on Scattering from a Magnetic Nanoundulator. ACS Photonics, 2020, 7, 1096-1103.	6.6	4
17	Plasmonâ€“emitter interactions at the nanoscale. Nature Communications, 2020, 11, 366.	12.8	84
18	Heuristic recurrent algorithms for photonic Ising machines. Nature Communications, 2020, 11, 249.	12.8	69

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19	Observation of topologically enabled unidirectional guided resonances. Nature, 2020, 580, 467-471.	27.8	184
20	Plasmonics in argentene. Physical Review Materials, 2020, 4, .	2.4	15
21	Predictive and generative machine learning models for photonic crystals. Nanophotonics, 2020, 9, 4183-4192.	6.0	58
22	Towards integrated tunable all-silicon free-electron light sources. Nature Communications, 2019, 10, 3176.	12.8	55
23	Bound States in the Continuum in Fiber Bragg Gratings. ACS Photonics, 2019, 6, 2996-3002.	6.6	62
24	Light emission based on nanophotonic vacuum forces. Nature Physics, 2019, 15, 1284-1289.	16.7	21
25	Synthesis and observation of non-Abelian gauge fields in real space. Science, 2019, 365, 1021-1025.	12.6	65
26	Large-Scale Optical Neural Networks Based on Photoelectric Multiplication. Physical Review X, 2019, 9, .	8.9	179
27	Migrating Knowledge between Physical Scenarios Based on Artificial Neural Networks. ACS Photonics, 2019, 6, 1168-1174.	6.6	85
28	Gated Orthogonal Recurrent Units: On Learning to Forget. Neural Computation, 2019, 31, 765-783.	2.2	48
29	Ultrafast Multiharmonic Plasmon Generation by Optically Dressed Electrons. Physical Review Letters, 2019, 122, 053901.	7.8	8
30	Controlling spins with surface magnon polaritons. Physical Review B, 2019, 100, .	3.2	19
31	Topologically enabled ultrahigh-Q guided resonances robust to out-of-plane scattering. Nature, 2019, 574, 501-504.	27.8	355
32	A general theoretical and experimental framework for nanoscale electromagnetism. Nature, 2019, 576, 248-252.	27.8	103
33	Practical emitters for thermophotovoltaics: a review. Journal of Photonics for Energy, 2019, 9, 1.	1.3	85
34	Photonic Recurrent Ising Sampler. , 2019, , .		2
35	Integrated Nanophotonic Ising Sampler. , 2019, , .		0
36	Topological Consequence of Merging Multiple Bound States in the Continuum. , 2019, , .		0

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37	Large-Scale Optical Neural-Network Accelerators based on Coherent Detection. , 2019, , .		0
38	Shaping long-lived electron wavepackets for customizable optical spectra. Optica, 2019, 6, 1089.	9.3	0
39	Multifrequency Superscattering from Subwavelength Hyperbolic Structures. ACS Photonics, 2018, 5, 1506-1511.	6.6	63
40	Observation of bulk Fermi arc and polarization half charge from paired exceptional points. Science, 2018, 359, 1009-1012.	12.6	438
41	Large Photothermal Effect in Subâ€40 nm hâ€BN Nanostructures Patterned Via Highâ€Resolution Ion Beam. Small, 2018, 14, 1800072.	10.0	12
42	Active Radiative Thermal Switching with Graphene Plasmon Resonators. ACS Nano, 2018, 12, 2474-2481.	14.6	70
43	Ultralight Angstrom-Scale Optimal Optical Reflectors. ACS Photonics, 2018, 5, 384-389.	6.6	9
44	Tunable UV-Emitters through Graphene Plasmonics. Nano Letters, 2018, 18, 308-313.	9.1	21
45	Improved Omnidirectional 2D Photonic Crystal Selective Emitter for Thermophotovoltaics. Journal of Physics: Conference Series, 2018, 1052, 012056.	0.4	1
46	Controlling the Near-Field of Metasurfaces for Free-Electron Multi-Harmonic Hard X-Ray Generation. , 2018, , .		0
47	Passive directional sub-ambient daytime radiative cooling. Nature Communications, 2018, 9, 5001.	12.8	179
48	Metasurface-based multi-harmonic free-electron light source. Light: Science and Applications, 2018, 7, 64.	16.6	40
49	Nonperturbative Quantum Electrodynamics in the Cherenkov Effect. Physical Review X, 2018, 8, .	8.9	9
50	Smithâ€“Purcell Radiation from Low-Energy Electrons. ACS Photonics, 2018, 5, 3513-3518.	6.6	46
51	Polarization-Independent Optical Broadband Angular Selectivity. ACS Photonics, 2018, 5, 4125-4131.	6.6	26
52	Quantum plasmons with optical-range frequencies in doped few-layer graphene. Physical Review B, 2018, 97, .	3.2	22
53	Nanophotonic particle simulation and inverse design using artificial neural networks. Science Advances, 2018, 4, eaar4206.	10.3	574
54	Controlling Cherenkov angles with resonance transition radiation. Nature Physics, 2018, 14, 816-821.	16.7	88

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55	Quantum Hall Effect with Composites of Magnetic Flux Tubes and Charged Particles. Physical Review Letters, 2018, 120, 267201.	7.8	8
56	Photothermal Effect: Large Photothermal Effect in Subâ€40 nm hâ€BN Nanostructures Patterned Via Highâ€Resolution Ion Beam (Small 22/2018). Small, 2018, 14, 1870101.	10.0	1
57	Superlight inverse Doppler effect. Nature Physics, 2018, 14, 1001-1005.	16.7	54
58	Maximal spontaneous photon emission and energy loss from free electrons. Nature Physics, 2018, 14, 894-899.	16.7	100
59	Shaping Polaritons to Reshape Selection Rules. ACS Photonics, 2018, 5, 3064-3072.	6.6	15
60	Towards a portable mesoscale thermophotovoltaic generator. Journal of Physics: Conference Series, 2018, 1052, 012041.	0.4	5
61	Control of semiconductor emitter frequency by increasing polariton momenta. Nature Photonics, 2018, 12, 423-429.	31.4	32
62	A high-efficiency regime for gas-phase terahertz lasers. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6614-6619.	7.1	24
63	Splashing transients of 2D plasmons launched by swift electrons. Science Advances, 2017, 3, e1601192.	10.3	69
64	Dynamically Encircling Exceptional Points: Exact Evolution and Polarization State Conversion. Physical Review Letters, 2017, 118, 093002.	7.8	215
65	Low-Loss Plasmonic Dielectric Nanoresonators. Nano Letters, 2017, 17, 3238-3245.	9.1	113
66	Enabling efficient heat-to-electricity generation at the mesoscale. Energy and Environmental Science, 2017, 10, 1367-1371.	30.8	30
67	Deep learning with coherent nanophotonic circuits. Nature Photonics, 2017, 11, 441-446.	31.4	1,845
68	All-angle negative refraction of highly squeezed plasmon and phonon polaritons in grapheneâ€“boron nitride heterostructures. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6717-6721.	7.1	144
69	Constructing â€œDesigner Atomsâ€• via Resonant Graphene-Induced Lamb Shifts. ACS Photonics, 2017, 4, 3098-3105.	6.6	14
70	Deep learning with coherent nanophotonic circuits. , 2017, , .		17
71	Laser-Induced Linear-Field Particle Acceleration in Free Space. Scientific Reports, 2017, 7, 11159.	3.3	39
72	Combined selective emitter and filter for high performance incandescent lighting. Applied Physics Letters, 2017, 111, .	3.3	7

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73	Nanoengineered devices for solar energy conversion. , 2017, , .		0
74	Limits to the Optical Response of Graphene and Two-Dimensional Materials. Nano Letters, 2017, 17, 5408-5415.	9.1	40
75	Topologically enabled optical nanomotors. Science Advances, 2017, 3, e1602738.	10.3	28
76	Quantum Corrections in Nanoplasmonics: Shape, Scale, and Material. Physical Review Letters, 2017, 118, 157402.	7.8	105
77	Infrared Topological Plasmons in Graphene. Physical Review Letters, 2017, 118, 245301.	7.8	132
78	Exotic nanophotonic states for enhanced active photonic devices. , 2017, , .		0
79	Spectral and spatial shaping of Smith-Purcell radiation. Physical Review A, 2017, 96, .	2.5	47
80	Making two-photon processes dominate one-photon processes using mid-IR phonon polaritons. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13607-13612.	7.1	44
81	Deep learning with coherent nanophotonic circuits. , 2017, , .		2
82	General theory of spontaneous emission near exceptional points. Optics Express, 2017, 25, 12325.	3.4	118
83	All-angle Negative Refraction of Highly Squeezed Polaritons in Graphene-boron nitride Heterostructures. , 2017, , .		1
84	Narrowband Metamaterial Absorber for Terahertz Secure Labeling. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 1120-1129.	2.2	15
85	High performance incandescent light bulb using a selective emitter and nanophotonic filters. , 2017, , .		2
86	Shaping Polaritons to Reshape Selection Rules. , 2017, , .		3
87	High-order Smith-Purcell radiation in Silicon Nanowires. , 2017, , .		3
88	Shaping UV Emission through Graphene Plasmons. , 2017, , .		0
89	Polarization state conversion through exceptional point encirclement. , 2017, , .		0
90	A Near-Unity Efficiency Source of Entangled Surface Phonon Polaritons. , 2017, , .		0

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91	Smith-Purcell radiation from low-energy electrons. , 2017, , .		0
92	Low-loss plasmonics via dielectric nanoparticles on metallic films. , 2017, , .		0
93	On-Chip Optical Neuromorphic Computing. , 2016, , .		2
94	Perfect single-sided radiation and absorption without mirrors. Optica, 2016, 3, 1079.	9.3	69
95	An integrated microcombustor and photonic crystal emitter for thermophotovoltaics. Journal of Physics: Conference Series, 2016, 773, 012108.	0.4	2
96	Topological magnetoplasmon. Nature Communications, 2016, 7, 13486.	12.8	108
97	Formation mechanism of guided resonances and bound states in the continuum in photonic crystal slabs. Scientific Reports, 2016, 6, 31908.	3.3	98
98	Tailoring the energy distribution and loss of 2D plasmons. New Journal of Physics, 2016, 18, 105007.	2.9	34
99	Broadband angular selectivity of light at the nanoscale: Progress, applications, and outlook. Applied Physics Reviews, 2016, 3, 011103.	11.3	59
100	Flexible yet robust. Nature Materials, 2016, 15, 494-495.	27.5	1
101	Transverse-electric Brewster effect enabled by nonmagnetic two-dimensional materials. Physical Review A, 2016, 94, .	2.5	30
102	Direct imaging of isofrequency contours in photonic structures. Science Advances, 2016, 2, e1601591.	10.3	25
103	Efficient plasmonic emission by the quantum ÄŒerenkov effect from hot carriers in graphene. Nature Communications, 2016, 7, ncomms11880.	12.8	78
104	Fundamental limits to optical response in absorptive systems. Optics Express, 2016, 24, 3329.	3.4	124
105	Shrinking light to allow forbidden transitions on the atomic scale. Science, 2016, 353, 263-269.	12.6	185
106	Quantum ÄŒerenkov Radiation: Spectral Cutoffs and the Role of Spin and Orbital Angular Momentum. Physical Review X, 2016, 6, .	8.9	51
107	Enhanced photovoltaic energy conversion using thermally based spectral shaping. Nature Energy, 2016, 1, .	39.5	231
108	Controlling Directionality and Dimensionality of Radiation by Perturbing Separable Bound States in the Continuum. Scientific Reports, 2016, 6, 33394.	3.3	30

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109	Probing topological protection using a designer surface plasmon structure. Nature Communications, 2016, 7, 11619.	12.8	210
110	Bound states in the continuum. Nature Reviews Materials, 2016, 1, .	48.7	1,774
111	Grating assisted tunneling in photonic lattices: The Harper-Hofstadter Hamiltonian. , 2016, , .		0
112	Roadmap on optical energy conversion. Journal of Optics (United Kingdom), 2016, 18, 073004.	2.2	85
113	Optically Thin Metallic Films for High-Radiative-Efficiency Plasmonics. Nano Letters, 2016, 16, 4110-4117.	9.1	14
114	Topological states in photonic systems. Nature Physics, 2016, 12, 626-629.	16.7	271
115	Exploiting Optical Asymmetry for Controlled Guiding of Particles with Light. ACS Photonics, 2016, 3, 197-202.	6.6	38
116	Sputtered Tantalum Photonic Crystal Coatings for High-Temperature Energy Conversion Applications. IEEE Nanotechnology Magazine, 2016, 15, 303-309.	2.0	19
117	Invisible metallic mesh. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2568-2572.	7.1	24
118	Substrate-Independent Light Confinement in Bioinspired All-Dielectric Surface Resonators. ACS Photonics, 2016, 3, 532-536.	6.6	9
119	Tailoring high-temperature radiation and the resurrection of the incandescent source. Nature Nanotechnology, 2016, 11, 320-324.	31.5	153
120	Symmetry-protected topological photonic crystal in three dimensions. Nature Physics, 2016, 12, 337-340.	16.7	245
121	Towards graphene plasmon-based free-electron infrared to X-ray sources. Nature Photonics, 2016, 10, 46-52.	31.4	112
122	A Dark-state Invisible Material. , 2016, , .		0
123	Exploiting optical asymmetry for frequency-controlled guiding of particles with light. , 2016, , .		0
124	Towards On-Chip, Tunable X-ray Sources based on Graphene Plasmons. , 2016, , .		0
125	Collapse of the Selection Rules Through 2D Plasmonics. , 2016, , .		0
126	Monoenergetic Relativistic Electron Pulses by Laser-Driven Linear Acceleration in Free Space. , 2016, , .		0

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127	Substrate-Independent Light Confinement in Butterfly-Inspired Photonic Crystal Slabs. , 2016, , .		0
128	2D Plasmonics for Nanosecond Generation of Entangled Plasmon Pairs. , 2016, , .		0
129	Topological photonic crystal in three dimensions. , 2016, , .		1
130	Weyl Points in Three-Dimensional Optical Lattices: Synthetic Magnetic Monopoles in Momentum Space. Physical Review Letters, 2015, 114, 225301.	7.8	148
131	Experimental Observation of Large Chern Numbers in Photonic Crystals. Physical Review Letters, 2015, 115, 253901.	7.8	228
132	Binary matrices of optimal autocorrelations as alignment marks. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2015, 33, 021601.	1.2	1
133	Thick sputtered tantalum coatings for high-temperature energy conversion applications. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, 061204.	2.1	5
134	The Harperâ€“Hofstadter Hamiltonian and conical diffraction in photonic lattices with grating assisted tunneling. New Journal of Physics, 2015, 17, 125002.	2.9	14
135	Nanoengineered Surfaces for Thermal Energy Conversion. Journal of Physics: Conference Series, 2015, 660, 012036.	0.4	2
136	Photonic Crystal Enabled Thermophotovoltaics for a Portable Microgenerator. Journal of Physics: Conference Series, 2015, 660, 012069.	0.4	4
137	Photonic Crystal Emitters for Thermophotovoltaic Energy Conversion. Journal of Physics: Conference Series, 2015, 660, 012080.	0.4	2
138	Nanophotonics in material-systems of Large Sizes. , 2015, , .		0
139	Broadband surface-wave transformation cloak. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7635-7638.	7.1	58
140	Photonic crystal enhanced silicon cell based thermophotovoltaic systems. Optics Express, 2015, 23, A157.	3.4	21
141	Sputtered tantalum photonic crystal coatings for high-temperature energy conversion applications. , 2015, , .		1
142	Structural Colors from Fano Resonances. ACS Photonics, 2015, 2, 27-32.	6.6	114
143	Experimental observation of Weyl points. Science, 2015, 349, 622-624.	12.6	833
144	Optimization of sharp and viewing-angle-independent structural color. Optics Express, 2015, 23, 9516.	3.4	11

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145	Weyl points in photonic-crystal superlattices. 2D Materials, 2015, 2, 034013.	4.4	32
146	Spawning rings of exceptional points out of Dirac cones. Nature, 2015, 525, 354-358.	27.8	610
147	Fano Resonance Structural Color in Patterned Dielectric Surfaces. , 2015, , .		0
148	Spawning Rings of Exceptional Points out of Dirac Cones. , 2015, , .		1
149	Large Chern number one-way waveguides. , 2015, , .		0
150	Optical manipulation of Janus nanoparticles. , 2015, , .		0
151	Generating Structural Colors from Dielectric Surface Resonances. , 2015, , .		0
152	Global optimization of omnidirectional wavelength selective emitters/absorbers based on dielectric-filled anti-reflection coated two-dimensional metallic photonic crystals. Optics Express, 2014, 22, 21711.	3.4	36
153	Superlattice photonic crystal as broadband solar absorber for high temperature operation. Optics Express, 2014, 22, A1895.	3.4	39
154	Topological Nature of Optical Bound States in the Continuum. Physical Review Letters, 2014, 113, 257401.	7.8	595
155	Larger-area single-mode photonic crystal surface-emitting lasers enabled by an accidental Dirac point. Optics Letters, 2014, 39, 2072.	3.3	63
156	Metamaterial broadband angular selectivity. Physical Review B, 2014, 90, .	3.2	45
157	Performance of tantalum-tungsten alloy selective emitters in thermophotovoltaic systems. Proceedings of SPIE, 2014, , .	0.8	3
158	Tantalum-tungsten alloy photonic crystals for high-temperature energy conversion systems. , 2014, , .		1
159	Omnidirectional wavelength selective emitters/absorbers based on dielectric-filled anti-reflection coated two-dimensional metallic photonic crystals. Proceedings of SPIE, 2014, , .	0.8	2
160	Design of wide-angle selective absorbers/emitters with dielectric filled metallic photonic crystals for energy applications. Optics Express, 2014, 22, A144.	3.4	63
161	Optical Broadband Angular Selectivity. Science, 2014, 343, 1499-1501.	12.6	222
162	A nanophotonic solar thermophotovoltaic device. Nature Nanotechnology, 2014, 9, 126-130.	31.5	704

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163	Transparent displays enabled by resonant nanoparticle scattering. Nature Communications, 2014, 5, 3152.	12.8	186
164	Solar thermophotovoltaic energy conversion systems with two-dimensional tantalum photonic crystal absorbers and emitters. Solar Energy Materials and Solar Cells, 2014, 122, 287-296.	6.2	158
165	Modeling of threshold and dynamics behavior of organic nanostructured lasers. Journal of Materials Chemistry C, 2014, 2, 1463.	5.5	23
166	Ultrafast dynamic control. Nature Materials, 2014, 13, 920-921.	27.5	3
167	Topological photonics. Nature Photonics, 2014, 8, 821-829.	31.4	2,492
168	Effects of screening on the optical absorption in graphene and in metallic monolayers. Physical Review B, 2014, 89, .	3.2	12
169	Enabling Ideal Selective Solar Absorption with 2D Metallic Dielectric Photonic Crystals. Advanced Materials, 2014, 26, 8041-8045.	21.0	120
170	Theoretical Criteria for Scattering Dark States in Nanostructured Particles. Nano Letters, 2014, 14, 2783-2788.	9.1	83
171	Metallic Photonic Crystal Absorberâ€Emitter for Efficient Spectral Control in Highâ€Temperature Solar Thermophotovoltaics. Advanced Energy Materials, 2014, 4, 1400334.	19.5	230
172	Multimode One-Way Waveguides of Large Chern Numbers. Physical Review Letters, 2014, 113, 113904.	7.8	228
173	Fabricating centimeter-scale high quality factor two-dimensional periodic photonic crystal slabs. Optics Express, 2014, 22, 3724.	3.4	6
174	2D Photonic-crystals for high spectral conversion efficiency in solar thermophotovoltaics. , 2014, , .		2
175	Novel phenomena in nano-photonic systems of macroscopic sizes. , 2014, , .		0
176	Optical Broadband Angular Selectivity. , 2014, , .		1
177	Metamaterial Broadband Angular Selectivity. , 2014, , .		0
178	Enabling Enhanced Emission and Low Threshold Lasing of Organic Molecules Using Special Fano Resonances of Macroscopic Photonic Crystals. , 2014, , .		1
179	Observation of trapped light within the radiation continuum. Nature, 2013, 499, 188-191.	27.8	950
180	Artificial faraday rotation using active metamaterials. , 2013, , .		0

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181	Damping of plasmons in graphene. Nature Photonics, 2013, 7, 346-348.	31.4	24
182	Weyl points and line nodes in gyroid photonic crystals. Nature Photonics, 2013, 7, 294-299.	31.4	560
183	Plasmons in Graphene: Fundamental Properties and Potential Applications. Proceedings of the IEEE, 2013, 101, 1689-1704.	21.3	210
184	Bloch surface eigenstates within the radiation continuum. Light: Science and Applications, 2013, 2, e84-e84.	16.6	163
185	Layer-by-layer self-assembly of plexcitonic nanoparticles. Optics Express, 2013, 21, 19103.	3.4	20
186	Super-collimation with high frequency sensitivity in 2D photonic crystals induced by saddle-type van Hove singularities. Optics Express, 2013, 21, 30140.	3.4	23
187	Stimulated Brillouin scattering in nanoscale silicon step-index waveguides: a general framework of selection rules and calculating SBS gain. Optics Express, 2013, 21, 31402.	3.4	108
188	Large-area fabrication of high aspect ratio tantalum photonic crystals for high-temperature selective emitters. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2013, 31, .	1.2	71
189	Low emissivity high-temperature tantalum thin film coatings for silicon devices. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, .	2.1	10
190	Evolution of sputtered tungsten coatings at high temperature. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, .	2.1	24
191	Enabling enhanced emission and low-threshold lasing of organic molecules using special Fano resonances of macroscopic photonic crystals. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13711-13716.	7.1	110
192	An all-metallic microburner for a millimeter-scale thermophotovoltaic generator. Journal of Physics: Conference Series, 2013, 476, 012017.	0.4	8
193	Toward high-energy-density, high-efficiency, and moderate-temperature chip-scale thermophotovoltaics. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5309-5314.	7.1	152
194	Performance analysis of experimentally viable photonic crystal enhanced thermophotovoltaic systems. Optics Express, 2013, 21, A1035.	3.4	59
195	High-temperature stability and selective thermal emission of polycrystalline tantalum photonic crystals. Optics Express, 2013, 21, 11482.	3.4	146
196	Novel phenomena in macroscopic photonic crystals. Proceedings of SPIE, 2013, , .	0.8	0
197	Weyl points and line nodes in 3D photonic crystals. , 2013, , .		0
198	Enabling single-mode behavior over large areas with photonic Dirac cones. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9761-9765.	7.1	53

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199	Three-dimensional photonic crystals by large-area membrane stacking. Optics Letters, 2012, 37, 4726.	3.3	10
200	Optimization of broadband optical response of multilayer nanospheres. Optics Express, 2012, 20, 18494.	3.4	27
201	Flat photonic surface bands pinned between Dirac points. Optics Letters, 2012, 37, 5262.	3.3	13
202	Observation and Differentiation of Unique High-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>Optical Resonances Near Zero Wave Vector in Macroscopic Photonic Crystal Slabs. Physical Review Letters, 2012, 109, 067401.	7.8	286
203	Overcoming the black body limit in plasmonic and graphene near-field thermophotovoltaic systems. Optics Express, 2012, 20, A366.	3.4	196
204	Enabling high-temperature nanophotonics for energy applications. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2280-2285.	7.1	204
205	Numerical Study of a Solar Thermophotovoltaic Energy Converter With High Performance 2D Photonic Crystals. , 2012, , .		0
206	Fractal optics and beyond. Nature Photonics, 2012, 6, 209-210.	31.4	40
207	Electromagnetic modes localized at the edges of a three-dimensional photonic crystal. , 2012, , .		0
208	Larger-area single-mode photonic crystal surface-emitting lasers enabled by the accidental Dirac-point. , 2012, , .		0
209	Design of three-dimensional photonic crystals for large-area membrane stacking. , 2012, , .		0
210	Recent developments in high-temperature photonic crystals for energy conversion. Energy and Environmental Science, 2012, 5, 8815.	30.8	132
211	Near-field thermal radiation transfer controlled by plasmons in graphene. Physical Review B, 2012, 85, .	3.2	194
212	Gyrotropic response in the absence of a bias field. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13194-13197.	7.1	83
213	Waveguiding at the Edge of a Three-Dimensional Photonic Crystal. Physical Review Letters, 2012, 108, 243901.	7.8	36
214	Unconventional plasmon-phonon coupling in graphene. Physical Review B, 2011, 83, .	3.2	45
215	Frequency-Selective Near-Field Radiative Heat Transfer between Photonic Crystal Slabs: A Computational Approach for Arbitrary Geometries and Materials. Physical Review Letters, 2011, 107, 114302.	7.8	148
216	Design and global optimization of high-efficiency solar thermal systems with tungsten cermets. Optics Express, 2011, 19, A245.	3.4	56

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