

Marin SoljaÄiÄ

List of Publications by Year in descending order

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325
papers

41,511
citations

4388

86
h-index

2280

200
g-index

328
all docs

328
docs citations

328
times ranked

21692
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless Power Transfer via Strongly Coupled Magnetic Resonances. <i>Science</i> , 2007, 317, 83-86.	12.6	4,634
2	Topological photonics. <i>Nature Photonics</i> , 2014, 8, 821-829.	31.4	2,492
3	Observation of unidirectional backscattering-immune topological electromagnetic states. <i>Nature</i> , 2009, 461, 772-775.	27.8	2,206
4	Deep learning with coherent nanophotonic circuits. <i>Nature Photonics</i> , 2017, 11, 441-446.	31.4	1,845
5	Plasmonics in graphene at infrared frequencies. <i>Physical Review B</i> , 2009, 80, .	3.2	1,819
6	Bound states in the continuum. <i>Nature Reviews Materials</i> , 2016, 1, .	48.7	1,774
7	Efficient wireless non-radiative mid-range energy transfer. <i>Annals of Physics</i> , 2008, 323, 34-48.	2.8	1,185
8	Reflection-Free One-Way Edge Modes in a Gyromagnetic Photonic Crystal. <i>Physical Review Letters</i> , 2008, 100, 013905.	7.8	1,058
9	Observation of trapped light within the radiation continuum. <i>Nature</i> , 2013, 499, 188-191.	27.8	950
10	Experimental observation of Weyl points. <i>Science</i> , 2015, 349, 622-624.	12.6	833
11	Enhancement of nonlinear effects using photonic crystals. <i>Nature Materials</i> , 2004, 3, 211-219.	27.5	718
12	A nanophotonic solar thermophotovoltaic device. <i>Nature Nanotechnology</i> , 2014, 9, 126-130.	31.5	704
13	Spawning rings of exceptional points out of Dirac cones. <i>Nature</i> , 2015, 525, 354-358.	27.8	610
14	Topological Nature of Optical Bound States in the Continuum. <i>Physical Review Letters</i> , 2014, 113, 257401.	7.8	595
15	Nanophotonic particle simulation and inverse design using artificial neural networks. <i>Science Advances</i> , 2018, 4, eaar4206.	10.3	574
16	Weyl points and line nodes in gyroid photonic crystals. <i>Nature Photonics</i> , 2013, 7, 294-299.	31.4	560
17	Observation of bulk Fermi arc and polarization half charge from paired exceptional points. <i>Science</i> , 2018, 359, 1009-1012.	12.6	438
18	Photonic-crystal slow-light enhancement of nonlinear phase sensitivity. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 2052.	2.1	437

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19	Low-loss asymptotically single-mode propagation in large-core OmniGuide fibers. Optics Express, 2001, 9, 748.	3.4	361
20	Topologically enabled ultrahigh-Q guided resonances robust to out-of-plane scattering. Nature, 2019, 574, 501-504.	27.8	355
21	High-contrast all-optical bistable switching in photonic crystal microcavities. Applied Physics Letters, 2003, 83, 2739-2741.	3.3	346
22	All-optical transistor action with bistable switching in a photonic crystal cross-waveguide geometry. Optics Letters, 2003, 28, 2506.	3.3	328
23	Simultaneous mid-range power transfer to multiple devices. Applied Physics Letters, 2010, 96, .	3.3	325
24	Optimal bistable switching in nonlinear photonic crystals. Physical Review E, 2002, 66, 055601.	2.1	316
25	Modulation Instability and Pattern Formation in Spatially Incoherent Light Beams. Science, 2000, 290, 495-498.	12.6	302
26	Observation and Differentiation of Unique High- Q Optical Resonances Near Zero Wave Vector in Macroscopic Photonic Crystal Slabs. Physical Review Letters, 2012, 109, 067401.	7.8	286
27	Nonlinear photonic crystal microdevices for optical integration. Optics Letters, 2003, 28, 637.	3.3	274
28	Topological states in photonic systems. Nature Physics, 2016, 12, 626-629.	16.7	271
29	Symmetry-protected topological photonic crystal in three dimensions. Nature Physics, 2016, 12, 337-340.	16.7	245
30	Modulation Instability of Incoherent Beams in Noninstantaneous Nonlinear Media. Physical Review Letters, 2000, 84, 467-470.	7.8	236
31	Enhanced photovoltaic energy conversion using thermally based spectral shaping. Nature Energy, 2016, 1, .	39.5	231
32	Metallic Photonic Crystal Absorber-Emitter for Efficient Spectral Control in High-Temperature Solar Thermophotovoltaics. Advanced Energy Materials, 2014, 4, 1400334.	19.5	230
33	Multimode One-Way Waveguides of Large Chern Numbers. Physical Review Letters, 2014, 113, 113904.	7.8	228
34	Experimental Observation of Large Chern Numbers in Photonic Crystals. Physical Review Letters, 2015, 115, 253901.	7.8	228
35	Design and global optimization of high-efficiency thermophotovoltaic systems. Optics Express, 2010, 18, A314.	3.4	226
36	Achieving centimetre-scale supercollimation in a large-area two-dimensional photonic crystal. Nature Materials, 2006, 5, 93-96.	27.5	222

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37	Optical Broadband Angular Selectivity. <i>Science</i> , 2014, 343, 1499-1501.	12.6	222
38	Dynamically Encircling Exceptional Points: Exact Evolution and Polarization State Conversion. <i>Physical Review Letters</i> , 2017, 118, 093002.	7.8	215
39	Plasmons in Graphene: Fundamental Properties and Potential Applications. <i>Proceedings of the IEEE</i> , 2013, 101, 1689-1704.	21.3	210
40	Probing topological protection using a designer surface plasmon structure. <i>Nature Communications</i> , 2016, 7, 11619.	12.8	210
41	Enabling high-temperature nanophotonics for energy applications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2280-2285.	7.1	204
42	Overcoming the black body limit in plasmonic and graphene near-field thermophotovoltaic systems. <i>Optics Express</i> , 2012, 20, A366.	3.4	196
43	Near-field thermal radiation transfer controlled by plasmons in graphene. <i>Physical Review B</i> , 2012, 85, .	3.2	194
44	Supernatural inflation: inflation from supersymmetry with no (very) small parameters. <i>Nuclear Physics B</i> , 1996, 472, 377-405.	2.5	189
45	Surface-Plasmon-Assisted Guiding of Broadband Slow and Subwavelength Light in Air. <i>Physical Review Letters</i> , 2005, 95, 063901.	7.8	189
46	Transparent displays enabled by resonant nanoparticle scattering. <i>Nature Communications</i> , 2014, 5, 3152.	12.8	186
47	Shrinking light to allow forbidden transitions on the atomic scale. <i>Science</i> , 2016, 353, 263-269.	12.6	185
48	Observation of topologically enabled unidirectional guided resonances. <i>Nature</i> , 2020, 580, 467-471.	27.8	184
49	Passive directional sub-ambient daytime radiative cooling. <i>Nature Communications</i> , 2018, 9, 5001.	12.8	179
50	Large-Scale Optical Neural Networks Based on Photoelectric Multiplication. <i>Physical Review X</i> , 2019, 9, .	8.9	179
51	Self-Trapping of "Necklace" Beams in Self-Focusing Kerr Media. <i>Physical Review Letters</i> , 1998, 81, 4851-4854.	7.8	164
52	Bloch surface eigenstates within the radiation continuum. <i>Light: Science and Applications</i> , 2013, 2, e84-e84.	16.6	163
53	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.	6.2	158
54	Enhanced nonlinear optics in photonic-crystal microcavities. <i>Optics Express</i> , 2007, 15, 16161.	3.4	155

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55	Tailoring high-temperature radiation and the resurrection of the incandescent source. <i>Nature Nanotechnology</i> , 2016, 11, 320-324.	31.5	153
56	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, 5309-5314.	7.1	152
57	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.	7.8	148
58	Weyl Points in Three-Dimensional Optical Lattices: Synthetic Magnetic Monopoles in Momentum Space. <i>Physical Review Letters</i> , 2015, 114, 225301.	7.8	148
59	High-temperature stability and selective thermal emission of polycrystalline tantalum photonic crystals. <i>Optics Express</i> , 2013, 21, 11482.	3.4	146
60	All-angle negative refraction of highly squeezed plasmon and phonon polaritons in grapheneâ€“boron nitride heterostructures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6717-6721.	7.1	144
61	Reversed Doppler Effect in Photonic Crystals. <i>Physical Review Letters</i> , 2003, 91, 133901.	7.8	141
62	Trapping, corralling and spectral bonding of optical resonances through optically induced potentials. <i>Nature Photonics</i> , 2007, 1, 658-665.	31.4	139
63	$\chi^{(2)}$ and $\chi^{(3)}$ harmonic generation at a critical power in inhomogeneous doubly resonant cavities. <i>Optics Express</i> , 2007, 15, 7303.	3.4	134
64	Composite Multihump Vector Solitons Carrying Topological Charge. <i>Physical Review Letters</i> , 2000, 84, 1164-1167.	7.8	133
65	Recent developments in high-temperature photonic crystals for energy conversion. <i>Energy and Environmental Science</i> , 2012, 5, 8815.	30.8	132
66	Infrared Topological Plasmons in Graphene. <i>Physical Review Letters</i> , 2017, 118, 245301.	7.8	132
67	Single-photon all-optical switching using waveguide-cavity quantum electrodynamics. <i>Physical Review A</i> , 2006, 74, .	2.5	126
68	Fundamental limits to optical response in absorptive systems. <i>Optics Express</i> , 2016, 24, 3329.	3.4	124
69	Third order nonlinearities in Ge-As-Se-based glasses for telecommunications applications. <i>Journal of Applied Physics</i> , 2004, 96, 6931-6933.	2.5	123
70	Coupled-mode theory for general free-space resonant scattering of waves. <i>Physical Review A</i> , 2007, 75, .	2.5	122
71	Enabling Ideal Selective Solar Absorption with 2D Metallic Dielectric Photonic Crystals. <i>Advanced Materials</i> , 2014, 26, 8041-8045.	21.0	120
72	General theory of spontaneous emission near exceptional points. <i>Optics Express</i> , 2017, 25, 12325.	3.4	118

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73	Efficient weakly-radiative wireless energy transfer: An EIT-like approach. <i>Annals of Physics</i> , 2009, 324, 1783-1795.	2.8	117
74	Structural Colors from Fano Resonances. <i>ACS Photonics</i> , 2015, 2, 27-32.	6.6	114
75	Low-Loss Plasmonic Dielectric Nanoresonators. <i>Nano Letters</i> , 2017, 17, 3238-3245.	9.1	113
76	Towards graphene plasmon-based free-electron infrared to X-ray sources. <i>Nature Photonics</i> , 2016, 10, 46-52.	31.4	112
77	Thermal emission and design in 2D-periodic metallic photonic crystal slabs. <i>Optics Express</i> , 2006, 14, 8785.	3.4	110
78	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, 13711-13716.	7.1	110
79	Effective theory of quadratic degeneracies. <i>Physical Review B</i> , 2008, 77, .	3.2	108
80	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.	3.4	108
81	Topological magnetoplasmon. <i>Nature Communications</i> , 2016, 7, 13486.	12.8	108
82	Quantum Corrections in Nanoplasmonics: Shape, Scale, and Material. <i>Physical Review Letters</i> , 2017, 118, 157402.	7.8	105
83	A general theoretical and experimental framework for nanoscale electromagnetism. <i>Nature</i> , 2019, 576, 248-252.	27.8	103
84	Maximal spontaneous photon emission and energy loss from free electrons. <i>Nature Physics</i> , 2018, 14, 894-899.	16.7	100
85	Color of Shock Waves in Photonic Crystals. <i>Physical Review Letters</i> , 2003, 90, 203904.	7.8	99
86	Formation mechanism of guided resonances and bound states in the continuum in photonic crystal slabs. <i>Scientific Reports</i> , 2016, 6, 31908.	3.3	98
87	Low-threshold lasing action in photonic crystal slabs enabled by Fano resonances. <i>Optics Express</i> , 2011, 19, 1539.	3.4	88
88	Controlling Cherenkov angles with resonance transition radiation. <i>Nature Physics</i> , 2018, 14, 816-821.	16.7	88
89	Roadmap on optical energy conversion. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 073004.	2.2	85
90	Migrating Knowledge between Physical Scenarios Based on Artificial Neural Networks. <i>ACS Photonics</i> , 2019, 6, 1168-1174.	6.6	85

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91	Practical emitters for thermophotovoltaics: a review. <i>Journal of Photonics for Energy</i> , 2019, 9, 1.	1.3	85
92	Plasmon–emitter interactions at the nanoscale. <i>Nature Communications</i> , 2020, 11, 366.	12.8	84
93	Cytotropic 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, 13194-13197.	7.1	83
94	Theoretical Criteria for Scattering Dark States in Nanostructured Particles. <i>Nano Letters</i> , 2014, 14, 2783-2788.	9.1	83
95	Efficient plasmonic emission by the quantum ĀEerenkov effect from hot carriers in graphene. <i>Nature Communications</i> , 2016, 7, ncomms11880.	12.8	78
96	Eliminating the Transverse Instabilities of Kerr Solitons. <i>Physical Review Letters</i> , 2000, 85, 4888-4891.	7.8	76
97	Analysis of mode structure in hollow dielectric waveguide fibers. <i>Physical Review E</i> , 2003, 67, 046608.	2.1	75
98	Transverse electric plasmons in bilayer graphene. <i>Optics Express</i> , 2011, 19, 11236.	3.4	75
99	Self-similarity and fractals in soliton-supporting systems. <i>Physical Review E</i> , 2000, 61, R1048-R1051.	2.1	72
100	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, .	1.2	71
101	Active Radiative Thermal Switching with Graphene Plasmon Resonators. <i>ACS Nano</i> , 2018, 12, 2474-2481.	14.6	70
102	Perfect single-sided radiation and absorption without mirrors. <i>Optica</i> , 2016, 3, 1079.	9.3	69
103	Splashing transients of 2D plasmons launched by swift electrons. <i>Science Advances</i> , 2017, 3, e1601192.	10.3	69
104	Heuristic recurrent algorithms for photonic Ising machines. <i>Nature Communications</i> , 2020, 11, 249.	12.8	69
105	Thermal emission and design in one-dimensional periodic metallic photonic crystal slabs. <i>Physical Review E</i> , 2006, 74, 016609.	2.1	68
106	Effect of a photonic band gap on scattering from waveguide disorder. <i>Applied Physics Letters</i> , 2004, 84, 3639-3641.	3.3	67
107	Bright Spatial Solitons on a Partially Incoherent Background. <i>Physical Review Letters</i> , 2000, 84, 2374-2377.	7.8	65
108	Synthesis and observation of non-Abelian gauge fields in real space. <i>Science</i> , 2019, 365, 1021-1025.	12.6	65

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109	Self-trapping of "necklace-ring" beams in self-focusing Kerr media. <i>Physical Review E</i> , 2000, 62, 2810-2820.	2.1	64
110	Ultralow-power all-optical switching. <i>Applied Physics Letters</i> , 2005, 86, 171101.	3.3	64
111	Larger-area single-mode photonic crystal surface-emitting lasers enabled by an accidental Dirac point. <i>Optics Letters</i> , 2014, 39, 2072.	3.3	63
112	Design of wide-angle selective absorbers/emitters with dielectric filled metallic photonic crystals for energy applications. <i>Optics Express</i> , 2014, 22, A144.	3.4	63
113	Multifrequency Superscattering from Subwavelength Hyperbolic Structures. <i>ACS Photonics</i> , 2018, 5, 1506-1511.	6.6	63
114	Switching through symmetry breaking in coupled nonlinear micro-cavities. <i>Optics Express</i> , 2006, 14, 10678.	3.4	62
115	Bound States in the Continuum in Fiber Bragg Gratings. <i>ACS Photonics</i> , 2019, 6, 2996-3002.	6.6	62
116	Performance analysis of experimentally viable photonic crystal enhanced thermophotovoltaic systems. <i>Optics Express</i> , 2013, 21, A1035.	3.4	59
117	Broadband angular selectivity of light at the nanoscale: Progress, applications, and outlook. <i>Applied Physics Reviews</i> , 2016, 3, 011103.	11.3	59
118	A framework for scintillation in nanophotonics. <i>Science</i> , 2022, 375, eabm9293.	12.6	59
119	Broadband surface-wave transformation cloak. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7635-7638.	7.1	58
120	Predictive and generative machine learning models for photonic crystals. <i>Nanophotonics</i> , 2020, 9, 4183-4192.	6.0	58
121	Design and global optimization of high-efficiency solar thermal systems with tungsten cermets. <i>Optics Express</i> , 2011, 19, A245.	3.4	56
122	Towards integrated tunable all-silicon free-electron light sources. <i>Nature Communications</i> , 2019, 10, 3176.	12.8	55
123	Superlight inverse Doppler effect. <i>Nature Physics</i> , 2018, 14, 1001-1005.	16.7	54
124	White-light solitons. <i>Optics Letters</i> , 2003, 28, 1239.	3.3	53
125	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, 9761-9765.	7.1	53
126	Broadband circulators based on directional coupling of one-way waveguides. <i>Optics Express</i> , 2011, 19, 22248.	3.4	52

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127	Propagation of incoherent “white” light and modulation instability in noninstantaneous nonlinear media. <i>Physical Review E</i> , 2002, 66, 035601.	2.1	51
128	Quantum Čerenkov Radiation: Spectral Cutoffs and the Role of Spin and Orbital Angular Momentum. <i>Physical Review X</i> , 2016, 6, .	8.9	51
129	Cantor Set Fractals from Solitons. <i>Physical Review Letters</i> , 2000, 84, 1902-1905.	7.8	50
130	Collisions of Two Solitons in an Arbitrary Number of Coupled Nonlinear Schrödinger Equations. <i>Physical Review Letters</i> , 2003, 90, 254102.	7.8	49
131	Tailoring Optical Nonlinearities via the Purcell Effect. <i>Physical Review Letters</i> , 2007, 99, 053601.	7.8	49
132	(1+1)-Dimensional modulation instability of spatially incoherent light. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 502.	2.1	48
133	Gated Orthogonal Recurrent Units: On Learning to Forget. <i>Neural Computation</i> , 2019, 31, 765-783.	2.2	48
134	End-to-end nanophotonic inverse design for imaging and polarimetry. <i>Nanophotonics</i> , 2021, 10, 1177-1187.	6.0	48
135	Spectral and spatial shaping of Smith-Purcell radiation. <i>Physical Review A</i> , 2017, 96, .	2.5	47
136	Polychromatic partially spatially incoherent solitons in a noninstantaneous Kerr nonlinear medium. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004, 21, 397.	2.1	46
137	Smith’s Purcell Radiation from Low-Energy Electrons. <i>ACS Photonics</i> , 2018, 5, 3513-3518.	6.6	46
138	Self-trapping of electromagnetic beams in vacuum supported by QED nonlinear effects. <i>Physical Review A</i> , 2000, 62, .	2.5	45
139	Enhancement of microcavity lifetimes using highly dispersive materials. <i>Physical Review E</i> , 2005, 71, 026602.	2.1	45
140	Unconventional plasmon-phonon coupling in graphene. <i>Physical Review B</i> , 2011, 83, .	3.2	45
141	Metamaterial broadband angular selectivity. <i>Physical Review B</i> , 2014, 90, .	3.2	45
142	Broadband super-collimation in a hybrid photonic crystal structure. <i>Optics Express</i> , 2009, 17, 8109.	3.4	44
143	Tailoring photonic metamaterial resonances for thermal radiation. <i>Nanoscale Research Letters</i> , 2011, 6, 549.	5.7	44
144	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.	7.1	44

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145	Direct calculation of thermal emission for three-dimensionally periodic photonic crystal slabs. <i>Physical Review E</i> , 2006, 74, 036615.	2.1	42
146	Emulating one-dimensional resonant Q-matching behavior in a two-dimensional system via Fano resonances. <i>Physical Review A</i> , 2006, 74, .	2.5	40
147	Fractal optics and beyond. <i>Nature Photonics</i> , 2012, 6, 209-210.	31.4	40
148	Limits to the Optical Response of Graphene and Two-Dimensional Materials. <i>Nano Letters</i> , 2017, 17, 5408-5415.	9.1	40
149	Metasurface-based multi-harmonic free-electron light source. <i>Light: Science and Applications</i> , 2018, 7, 64.	16.6	40
150	Superprism effect based on phase velocities. <i>Optics Letters</i> , 2004, 29, 745.	3.3	39
151	Superlattice photonic crystal as broadband solar absorber for high temperature operation. <i>Optics Express</i> , 2014, 22, A1895.	3.4	39
152	Laser-Induced Linear-Field Particle Acceleration in Free Space. <i>Scientific Reports</i> , 2017, 7, 11159.	3.3	39
153	Exploiting Optical Asymmetry for Controlled Guiding of Particles with Light. <i>ACS Photonics</i> , 2016, 3, 197-202.	6.6	38
154	Computational inverse design for ultra-compact single-piece metalenses free of chromatic and angular aberration. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	37
155	Interactions between two-dimensional composite vector solitons carrying topological charges. <i>Physical Review E</i> , 2001, 63, 066608.	2.1	36
156	Waveguiding at the Edge of a Three-Dimensional Photonic Crystal. <i>Physical Review Letters</i> , 2012, 108, 243901.	7.8	36
157	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.	3.4	36
158	Efficient mid-IR spectral generation via spontaneous fifth-order cascaded-Raman amplification in silica fibers. <i>Optics Letters</i> , 2008, 33, 1690.	3.3	34
159	Tailoring the energy distribution and loss of 2D plasmons. <i>New Journal of Physics</i> , 2016, 18, 105007.	2.9	34
160	Control of quantum electrodynamical processes by shaping electron wavepackets. <i>Nature Communications</i> , 2021, 12, 1700.	12.8	34
161	Nonlinear harmonic generation and devices in doubly resonant Kerr cavities. <i>Physical Review A</i> , 2009, 79, .	2.5	32
162	Weyl points in photonic-crystal superlattices. <i>2D Materials</i> , 2015, 2, 034013.	4.4	32

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163	Control of semiconductor emitter frequency by increasing polariton momenta. Nature Photonics, 2018, 12, 423-429.	31.4	32
164	Extraordinary optical transmission through subwavelength holes in a polaritonic silicon dioxide film. Applied Physics Letters, 2007, 90, 181921.	3.3	31
165	Plasmonic-Dielectric Systems for High-Order Dispersionless Slow or Stopped Subwavelength Light. Physical Review Letters, 2009, 103, 043906.	7.8	31
166	Optical bistability in axially modulated OmniGuide fibers. Optics Letters, 2003, 28, 516.	3.3	30
167	Transverse-electric Brewster effect enabled by nonmagnetic two-dimensional materials. Physical Review A, 2016, 94, .	2.5	30
168	Controlling Directionality and Dimensionality of Radiation by Perturbing Separable Bound States in the Continuum. Scientific Reports, 2016, 6, 33394.	3.3	30
169	Enabling efficient heat-to-electricity generation at the mesoscale. Energy and Environmental Science, 2017, 10, 1367-1371.	30.8	30
170	Angular photonic band gap. Physical Review A, 2011, 83, .	2.5	29
171	Topologically enabled optical nanomotors. Science Advances, 2017, 3, e1602738.	10.3	28
172	Degenerate four-wave mixing in triply resonant Kerr cavities. Physical Review A, 2011, 83, .	2.5	27
173	Optimization of broadband optical response of multilayer nanospheres. Optics Express, 2012, 20, 18494.	3.4	27
174	Quantum surface-response of metals revealed by acoustic graphene plasmons. Nature Communications, 2021, 12, 3271.	12.8	27
175	Polarization-Independent Optical Broadband Angular Selectivity. ACS Photonics, 2018, 5, 4125-4131.	6.6	26
176	Pattern Formation in a Cavity Longer than the Coherence Length of the Light in It. Physical Review Letters, 2002, 89, 183902.	7.8	25
177	Direct imaging of isofrequency contours in photonic structures. Science Advances, 2016, 2, e1601591.	10.3	25
178	Submicrometer perovskite plasmonic lasers at room temperature. Science Advances, 2021, 7, .	10.3	25
179	Damping of plasmons in graphene. Nature Photonics, 2013, 7, 346-348.	31.4	24
180	Evolution of sputtered tungsten coatings at high temperature. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, .	2.1	24

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181	Invisible metallic mesh. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2568-2572.	7.1	24
182	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
183	A Brewster route to Cherenkov detectors. Nature Communications, 2021, 12, 5554.	12.8	24
184	Analysis of general geometric scaling perturbations in a transmitting waveguide: fundamental connection between polarization-mode dispersion and group-velocity dispersion. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 2867.	2.1	23
185	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
186	Modeling of threshold and dynamics behavior of organic nanostructured lasers. Journal of Materials Chemistry C, 2014, 2, 1463.	5.5	23
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