

# Shanhui Fan

## List of Publications by Citations

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268  
papers

25,144  
citations

79  
h-index

155  
g-index

300  
ext. papers

32,795  
ext. citations

10  
avg, IF

7.82  
L-index

#	Paper	IF	Citations
268	Parity-time-symmetric whispering-gallery microcavities. <i>Nature Physics</i> , <b>2014</b> , 10, 394-398	16.2	1394
267	Passive radiative cooling below ambient air temperature under direct sunlight. <i>Nature</i> , <b>2014</b> , 515, 540-544	50.4	1183
266	Analysis of guided resonances in photonic crystal slabs. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	855
265	Temporal coupled-mode theory for the Fano resonance in optical resonators. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2003</b> , 20, 569-72	1.8	808
264	Complete optical isolation created by indirect interband photonic transitions. <i>Nature Photonics</i> , <b>2009</b> , 3, 91-94	33.9	713
263	Light management for photovoltaics using high-index nanostructures. <i>Nature Materials</i> , <b>2014</b> , 13, 451-60	7	670
262	Realizing effective magnetic field for photons by controlling the phase of dynamic modulation. <i>Nature Photonics</i> , <b>2012</b> , 6, 782-787	33.9	664
261	Fundamental limit of nanophotonic light trapping in solar cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 17491-6	11.5	596
260	Ultrabroadband photonic structures to achieve high-performance daytime radiative cooling. <i>Nano Letters</i> , <b>2013</b> , 13, 1457-61	11.5	507
259	Radiative human body cooling by nanoporous polyethylene textile. <i>Science</i> , <b>2016</b> , 353, 1019-1023	33.3	464
258	Electrically driven nonreciprocity induced by interband photonic transition on a silicon chip. <i>Physical Review Letters</i> , <b>2012</b> , 109, 033901	7.4	412
257	Temporal coupled-mode theory and the presence of non-orthogonal modes in lossless multimode cavities. <i>IEEE Journal of Quantum Electronics</i> , <b>2004</b> , 40, 1511-1518	2	406
256	Omnidirectional reflection from a one-dimensional photonic crystal. <i>Optics Letters</i> , <b>1998</b> , 23, 1573-5	3	392
255	Stopping light all optically. <i>Physical Review Letters</i> , <b>2004</b> , 92, 083901	7.4	390
254	Total Absorption in a Graphene Monolayer in the Optical Regime by Critical Coupling with a Photonic Crystal Guided Resonance. <i>ACS Photonics</i> , <b>2014</b> , 1, 347-353	6.3	389
253	S4 : A free electromagnetic solver for layered periodic structures. <i>Computer Physics Communications</i> , <b>2012</b> , 183, 2233-2244	4.2	380
252	Transparent and conductive paper from nanocellulose fibers. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 513-518	35.4	375

251	Radiative cooling to deep sub-freezing temperatures through a 24-h day-night cycle. <i>Nature Communications</i> , <b>2016</b> , 7, 13729	17.4	371
250	One-way electromagnetic waveguide formed at the interface between a plasmonic metal under a static magnetic field and a photonic crystal. <i>Physical Review Letters</i> , <b>2008</b> , 100, 023902	7.4	343
249	Daytime Radiative Cooling Using Near-Black Infrared Emitters. <i>ACS Photonics</i> , <b>2017</b> , 4, 626-630	6.3	333
248	Thermal rectification through vacuum. <i>Physical Review Letters</i> , <b>2010</b> , 104, 154301	7.4	321
247	Radiative cooling of solar absorbers using a visibly transparent photonic crystal thermal blackbody. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 12282-7	11.5	301
246	Strongly correlated two-photon transport in a one-dimensional waveguide coupled to a two-level system. <i>Physical Review Letters</i> , <b>2007</b> , 98, 153003	7.4	300
245	Robust wireless power transfer using a nonlinear parity-time-symmetric circuit. <i>Nature</i> , <b>2017</b> , 546, 387-390	9.4	292
244	Radiative cooling of solar cells. <i>Optica</i> , <b>2014</b> , 1, 32	8.6	285
243	Superscattering of light from subwavelength nanostructures. <i>Physical Review Letters</i> , <b>2010</b> , 105, 013901	7.4	262
242	Limitations of nonlinear optical isolators due to dynamic reciprocity. <i>Nature Photonics</i> , <b>2015</b> , 9, 388-392	33.9	246
241	Photonic Aharonov-Bohm effect based on dynamic modulation. <i>Physical Review Letters</i> , <b>2012</b> , 108, 153901	9.4	240
240	Nonlinear photonic crystal microdevices for optical integration. <i>Optics Letters</i> , <b>2003</b> , 28, 637-9	3	237
239	A dual-mode textile for human body radiative heating and cooling. <i>Science Advances</i> , <b>2017</b> , 3, e1700895	14.3	222
238	Sub-ambient non-evaporative fluid cooling with the sky. <i>Nature Energy</i> , <b>2017</b> , 2,	62.3	218
237	Non-reciprocal phase shift induced by an effective magnetic flux for light. <i>Nature Photonics</i> , <b>2014</b> , 8, 701-705	33.9	214
236	Nanoporous polyethylene microfibrils for large-scale radiative cooling fabric. <i>Nature Sustainability</i> , <b>2018</b> , 1, 105-112	22.1	206
235	Optical circulators in two-dimensional magneto-optical photonic crystals. <i>Optics Letters</i> , <b>2005</b> , 30, 1989-91	9.1	204
234	Spectrally Selective Nanocomposite Textile for Outdoor Personal Cooling. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802152	24	181

233	Plasmonic computing of spatial differentiation. <i>Nature Communications</i> , <b>2017</b> , 8, 15391	17.4	167
232	A Comprehensive Photonic Approach for Solar Cell Cooling. <i>ACS Photonics</i> , <b>2017</b> , 4, 774-782	6.3	166
231	Progress in 2D photonic crystal Fano resonance photonics. <i>Progress in Quantum Electronics</i> , <b>2014</b> , 38, 1-74	9.1	165
230	Theoretical analysis of channel drop tunneling processes. <i>Physical Review B</i> , <b>1999</b> , 59, 15882-15892	3.3	163
229	Warming up human body by nanoporous metallized polyethylene textile. <i>Nature Communications</i> , <b>2017</b> , 8, 496	17.4	162
228	From electromagnetically induced transparency to superscattering with a single structure: a coupled-mode theory for doubly resonant structures. <i>Physical Review Letters</i> , <b>2012</b> , 108, 083902	7.4	159
227	Input-output formalism for few-photon transport in one-dimensional nanophotonic waveguides coupled to a qubit. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	158
226	Training of photonic neural networks through in situ backpropagation and gradient measurement. <i>Optica</i> , <b>2018</b> , 5, 864	8.6	155
225	Displacement-sensitive photonic crystal structures based on guided resonance in photonic crystal slabs. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 1999-2001	3.4	155
224	Nanophotonic control of thermal radiation for energy applications [Invited]. <i>Optics Express</i> , <b>2018</b> , 26, 15995-16021	3.3	151
223	Near-field radiative heat transfer between parallel structures in the deep subwavelength regime. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 515-519	28.7	150
222	One-way total reflection with one-dimensional magneto-optical photonic crystals. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 121133	3.4	148
221	Sensitivity enhancement in photonic crystal slab biosensors. <i>Optics Express</i> , <b>2010</b> , 18, 22702-14	3.3	134
220	Synthetic dimension in photonics. <i>Optica</i> , <b>2018</b> , 5, 1396	8.6	133
219	Enhanced high-harmonic generation from an all-dielectric metasurface. <i>Nature Physics</i> , <b>2018</b> , 14, 1006-1010	16.0	132
218	Scalable and hierarchically designed polymer film as a selective thermal emitter for high-performance all-day radiative cooling. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 153-158	28.7	132
217	Photonic gauge potential in a system with a synthetic frequency dimension. <i>Optics Letters</i> , <b>2016</b> , 41, 741-4	3	119
216	Interband transitions in photonic crystals. <i>Physical Review B</i> , <b>1999</b> , 59, 1551-1554	3.3	114

215	Inference in artificial intelligence with deep optics and photonics. <i>Nature</i> , <b>2020</b> , 588, 39-47	50.4	114
214	Photonic Weyl point in a two-dimensional resonator lattice with a synthetic frequency dimension. <i>Nature Communications</i> , <b>2016</b> , 7, 13731	17.4	114
213	Color-preserving daytime radiative cooling. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 223902	3.4	113
212	Thermal meta-device in analogue of zero-index photonics. <i>Nature Materials</i> , <b>2019</b> , 18, 48-54	27	112
211	Terrestrial radiative cooling: Using the cold universe as a renewable and sustainable energy source. <i>Science</i> , <b>2020</b> , 370, 786-791	33.3	110
210	Self-adaptive radiative cooling based on phase change materials. <i>Optics Express</i> , <b>2018</b> , 26, A777-A787	3.3	105
209	Photonic crystal slab Laplace operator for image differentiation. <i>Optica</i> , <b>2018</b> , 5, 251	8.6	102
208	Theory of single-photon transport in a single-mode waveguide. II. Coupling to a whispering-gallery resonator containing a two-level atom. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	102
207	Hyperbolic Weyl Point in Reciprocal Chiral Metamaterials. <i>Physical Review Letters</i> , <b>2016</b> , 117, 057401	7.4	101
206	Temporal Coupled-Mode Theory for Fano Resonance in Light Scattering by a Single Obstacle $\square$ <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 7324-7329	3.8	100
205	Modal analysis and coupling in metal-insulator-metal waveguides. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	100
204	Photonic Aharonov-Bohm effect in photon-phonon interactions. <i>Nature Communications</i> , <b>2014</b> , 5, 3225	17.4	96
203	Comment on "Nonreciprocal light propagation in a silicon photonic circuit". <i>Science</i> , <b>2012</b> , 335, 38; author reply 38	33.3	93
202	Choice of the perfectly matched layer boundary condition for frequency-domain Maxwell's equations solvers. <i>Journal of Computational Physics</i> , <b>2012</b> , 231, 3406-3431	4.1	92
201	Temperature Regulation in Colored Infrared-Transparent Polyethylene Textiles. <i>Joule</i> , <b>2019</b> , 3, 1478-1486	17.8	91
200	Heat-flux control and solid-state cooling by regulating chemical potential of photons in near-field electromagnetic heat transfer. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	91
199	Omnidirectional resonance in a metal-dielectric-metal geometry. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 4421-4423	3.4	91
198	Thermal Photonics and Energy Applications. <i>Joule</i> , <b>2017</b> , 1, 264-273	27.8	90

197	Wave physics as an analog recurrent neural network. <i>Science Advances</i> , <b>2019</b> , 5, eaay6946	14.3	89
196	Time reversal of light with linear optics and modulators. <i>Physical Review Letters</i> , <b>2004</b> , 93, 173903	7.4	88
195	A single photonic cavity with two independent physical synthetic dimensions. <i>Science</i> , <b>2020</b> , 367, 59-64	33.3	87
194	Adjoint Method and Inverse Design for Nonlinear Nanophotonic Devices. <i>ACS Photonics</i> , <b>2018</b> , 5, 4781-4787	17.8	85
193	Near-complete violation of detailed balance in thermal radiation. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	82
192	Method for sensitivity analysis of photonic crystal devices. <i>Optics Letters</i> , <b>2004</b> , 29, 2288-90	3	82
191	Photonic thermal management of coloured objects. <i>Nature Communications</i> , <b>2018</b> , 9, 4240	17.4	80
190	High-performance near-field thermophotovoltaics for waste heat recovery. <i>Nano Energy</i> , <b>2017</b> , 41, 344-350	17.1	79
189	Electronically programmable photonic molecule. <i>Nature Photonics</i> , <b>2019</b> , 13, 36-40	33.9	77
188	Persistent Directional Current at Equilibrium in Nonreciprocal Many-Body Near Field Electromagnetic Heat Transfer. <i>Physical Review Letters</i> , <b>2016</b> , 117, 134303	7.4	76
187	Generating Light from Darkness. <i>Joule</i> , <b>2019</b> , 3, 2679-2686	27.8	73
186	Inverse-designed non-reciprocal pulse router for chip-based LiDAR. <i>Nature Photonics</i> , <b>2020</b> , 14, 369-374	33.9	73
185	Enhancing Near-Field Radiative Heat Transfer with Si-based Metasurfaces. <i>Physical Review Letters</i> , <b>2017</b> , 118, 203901	7.4	73
184	Simultaneously and Synergistically Harvest Energy from the Sun and Outer Space. <i>Joule</i> , <b>2019</b> , 3, 101-110	17.8	71
183	Angle-selective perfect absorption with two-dimensional materials. <i>Light: Science and Applications</i> , <b>2016</b> , 5, e16052	16.7	70
182	Optimization of Multilayer Optical Films with a Memetic Algorithm and Mixed Integer Programming. <i>ACS Photonics</i> , <b>2018</b> , 5, 684-691	6.3	70
181	Creating an Eco-Friendly Building Coating with Smart Subambient Radiative Cooling. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906751	24	68
180	Transforming heat transfer with thermal metamaterials and devices. <i>Nature Reviews Materials</i> , <b>2021</b> , 6, 488-507	73.3	68

179	Controlling the flow of light using the inhomogeneous effective gauge field that emerges from dynamic modulation. <i>Physical Review Letters</i> , <b>2013</b> , 111, 203901	7.4	66
178	Enhancing Mo:BiVO <sub>4</sub> Solar Water Splitting with Patterned Au Nanospheres by Plasmon-Induced Energy Transfer. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1701765	21.8	60
177	Wireless energy transfer with the presence of metallic planes. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 214102	3.4	60
176	Reprogrammable Electro-Optic Nonlinear Activation Functions for Optical Neural Networks. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2020</b> , 26, 1-12	3.8	60
175	Fluctuational electrodynamics calculations of near-field heat transfer in non-planar geometries: A brief overview. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2014</b> , 132, 3-11	2.1	59
174	Bloch oscillation and unidirectional translation of frequency in a dynamically modulated ring resonator. <i>Optica</i> , <b>2016</b> , 3, 1014	8.6	57
173	Temporal coupled-mode theory for resonant apertures. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2010</b> , 27, 1947	1.7	56
172	Thermodynamic upper bound on broadband light coupling with photonic structures. <i>Physical Review Letters</i> , <b>2012</b> , 109, 173901	7.4	55
171	Zero-Index Bound States in the Continuum. <i>Physical Review Letters</i> , <b>2018</b> , 121, 263901	7.4	55
170	Fundamental bounds on decay rates in asymmetric single-mode optical resonators. <i>Optics Letters</i> , <b>2013</b> , 38, 100-2	3	54
169	Planar metallic nanoscale slit lenses for angle compensation. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 071112	3.4	54
168	Optical Circulation and Isolation Based on Indirect Photonic Transitions of Guided Resonance Modes. <i>ACS Photonics</i> , <b>2017</b> , 4, 1639-1645	6.3	53
167	Optical isolation based on nonreciprocal phase shift induced by interband photonic transitions. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 171116	3.4	52
166	Axion-Field-Enabled Nonreciprocal Thermal Radiation in Weyl Semimetals. <i>Nano Letters</i> , <b>2020</b> , 20, 1923-1927	12.7	51
165	Topologically Protected Complete Polarization Conversion. <i>Physical Review Letters</i> , <b>2017</b> , 119, 167401	7.4	50
164	Thermal-to-electrical energy conversion by diodes under negative illumination. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	49
163	Universal modal radiation laws for all thermal emitters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 4336-4341	11.5	47
162	Significant Enhancement of Near-Field Electromagnetic Heat Transfer in a Multilayer Structure through Multiple Surface-States Coupling. <i>Physical Review Letters</i> , <b>2018</b> , 120, 063901	7.4	47

161	Dynamic non-reciprocal meta-surfaces with arbitrary phase reconfigurability based on photonic transition in meta-atoms. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 021110	3.4	47
160	Thermodynamic limits of energy harvesting from outgoing thermal radiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E3609-E3615	11.5	46
159	Broadband Absorption Enhancement in Solar Cells with an Atomically Thin Active Layer. <i>ACS Photonics</i> , <b>2016</b> , 3, 571-577	6.3	46
158	Hot Carrier-Based Near-Field Thermophotovoltaic Energy Conversion. <i>ACS Nano</i> , <b>2017</b> , 11, 3001-3009	16.7	45
157	Experimental band structure spectroscopy along a synthetic dimension. <i>Nature Communications</i> , <b>2019</b> , 10, 3122	17.4	45
156	Doubly resonant ( $\mathbb{Z}$ ) nonlinear photonic crystal cavity based on a bound state in the continuum. <i>Optica</i> , <b>2019</b> , 6, 1039	8.6	44
155	High-performance near-field electroluminescent refrigeration device consisting of a GaAs light emitting diode and a Si photovoltaic cell. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 143104	2.5	43
154	Temporal coupled-mode theory for light scattering by an arbitrarily shaped object supporting a single resonance. <i>Physical Review A</i> , <b>2012</b> , 85,	2.6	43
153	Integrated near-field thermo-photovoltaics for heat recycling. <i>Nature Communications</i> , <b>2020</b> , 11, 2545	17.4	42
152	A three-dimensional photonic topological insulator using a two-dimensional ring resonator lattice with a synthetic frequency dimension. <i>Science Advances</i> , <b>2018</b> , 4, eaat2774	14.3	41
151	Near-Field Enhanced Negative Luminescent Refrigeration. <i>Physical Review Applied</i> , <b>2016</b> , 6,	4.3	40
150	Near-complete violation of Kirchoff's law of thermal radiation with a 0.3 T magnetic field. <i>Optics Letters</i> , <b>2019</b> , 44, 4203-4206	3	40
149	Photonic Structure Textile Design for Localized Thermal Cooling Based on a Fiber Blending Scheme. <i>ACS Photonics</i> , <b>2016</b> , 3, 2420-2426	6.3	40
148	Theory of many-body radiative heat transfer without the constraint of reciprocity. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	38
147	Inverse Design of Photonic Crystals through Automatic Differentiation. <i>ACS Photonics</i> , <b>2020</b> , 7, 1729-1741	11.3	36
146	Topological optical differentiator. <i>Nature Communications</i> , <b>2021</b> , 12, 680	17.4	36
145	Tutorial on Electromagnetic Nonreciprocity and its Origins. <i>Proceedings of the IEEE</i> , <b>2020</b> , 108, 1684-1727	14.3	35
144	Generating arbitrary topological windings of a non-Hermitian band. <i>Science</i> , <b>2021</b> , 371, 1240-1245	33.3	35



143	Synthetic space with arbitrary dimensions in a few rings undergoing dynamic modulation. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	34
142	Three-Dimensional Printable Nanoporous Polymer Matrix Composites for Daytime Radiative Cooling. <i>Nano Letters</i> , <b>2021</b> , 21, 1493-1499	11.5	34
141	Thermodynamic limits for simultaneous energy harvesting from the hot sun and cold outer space. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 68	16.7	33
140	Temporal coupled mode theory for thermal emission from a single thermal emitter supporting either a single mode or an orthogonal set of modes. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 103104	3.4	33
139	Design methodology for compact photonic-crystal-based wavelength division multiplexers. <i>Optics Letters</i> , <b>2011</b> , 36, 591-3	3	33
138	Nighttime radiative cooling in hot and humid climates. <i>Optics Express</i> , <b>2019</b> , 27, 31587-31598	3.3	33
137	Exact solution to the steady-state dynamics of a periodically modulated resonator. <i>APL Photonics</i> , <b>2017</b> , 2, 076101	5.2	31
136	Near-Field Thermophotonic Systems for Low-Grade Waste-Heat Recovery. <i>Nano Letters</i> , <b>2018</b> , 18, 5224-5230	5.2	31
135	Upper bound on the modal material loss rate in plasmonic and metamaterial systems. <i>Physical Review Letters</i> , <b>2013</b> , 110, 183901	7.4	31
134	Absence of unidirectionally propagating surface plasmon-polaritons at nonreciprocal metal-dielectric interfaces. <i>Nature Communications</i> , <b>2020</b> , 11, 674	17.4	29
133	Subambient daytime radiative cooling textile based on nanoprocessed silk. <i>Nature Nanotechnology</i> , <b>2021</b> ,	28.7	28
132	Photonic Gauge Potential in One Cavity with Synthetic Frequency and Orbital Angular Momentum Dimensions. <i>Physical Review Letters</i> , <b>2019</b> , 122, 083903	7.4	27
131	Integrated Nonmagnetic Optical Isolators Based on Photonic Transitions $\{ast\}$ . <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2010</b> , 16, 459-466	3.8	27
130	Higher-order topological insulators in synthetic dimensions. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 131	16.7	27
129	Multi-frequency finite-difference frequency-domain algorithm for active nanophotonic device simulations. <i>Optica</i> , <b>2016</b> , 3, 1256	8.6	27
128	Robust and efficient wireless power transfer using a switch-mode implementation of a nonlinear parity-time symmetric circuit. <i>Nature Electronics</i> , <b>2020</b> , 3, 273-279	28.4	27
127	Three-Dimensional Dynamic Localization of Light from a Time-Dependent Effective Gauge Field for Photons. <i>Physical Review Letters</i> , <b>2015</b> , 114, 243901	7.4	26
126	Homotopy characterization of non-Hermitian Hamiltonians. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	26

125	Sub-Wavelength Passive Optical Isolators Using Photonic Structures Based on Weyl Semimetals. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000100	8.1	26
124	Wireless power transfer in the presence of metallic plates: Experimental results. <i>AIP Advances</i> , <b>2013</b> , 3, 062102	1.5	25
123	Experimental demonstration of acoustic semimetal with topologically charged nodal surface. <i>Science Advances</i> , <b>2020</b> , 6, eaav2360	14.3	24
122	Optical pulling force and conveyor belt effect in resonator-waveguide system. <i>Optics Letters</i> , <b>2013</b> , 38, 3264-7	3	24
121	On-Chip Laser-Power Delivery System for Dielectric Laser Accelerators. <i>Physical Review Applied</i> , <b>2018</b> , 9,	4.3	24
120	Experimental demonstration of energy harvesting from the sky using the negative illumination effect of a semiconductor photodiode. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 161102	3.4	23
119	Method for computationally efficient design of dielectric laser accelerator structures. <i>Optics Express</i> , <b>2017</b> , 25, 15414-15427	3.3	23
118	Few-Photon Single-Atom Cavity QED With Input-Output Formalism in Fock Space. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2012</b> , 18, 1754-1762	3.8	23
117	Meron Spin Textures in Momentum Space. <i>Physical Review Letters</i> , <b>2020</b> , 124, 106103	7.4	22
116	Effective electric-field force for a photon in a synthetic frequency lattice created in a waveguide modulator. <i>Physical Review A</i> , <b>2018</b> , 97,	2.6	22
115	Direction-dependent parity-time phase transition and nonreciprocal amplification with dynamic gain-loss modulation. <i>Physical Review A</i> , <b>2019</b> , 99,	2.6	22
114	Connection of temporal coupled-mode-theory formalisms for a resonant optical system and its time-reversal conjugate. <i>Physical Review A</i> , <b>2019</b> , 99,	2.6	21
113	Compact Incoherent Image Differentiation with Nanophotonic Structures. <i>ACS Photonics</i> , <b>2020</b> , 7, 338-343	6.3	21
112	Forward-Mode Differentiation of Maxwell's Equations. <i>ACS Photonics</i> , <b>2019</b> , 6, 3010-3016	6.3	20
111	Topologically nontrivial Floquet band structure in a system undergoing photonic transitions in the ultrastrong-coupling regime. <i>Physical Review A</i> , <b>2015</b> , 92,	2.6	20
110	Analog of superradiant emission in thermal emitters. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	20
109	Maximal nighttime electrical power generation via optimal radiative cooling. <i>Optics Express</i> , <b>2020</b> , 28, 25460-25470	3.3	20
108	Radiative Cooling: Harvesting the Coldness of the Universe. <i>Optics and Photonics News</i> , <b>2019</b> , 30, 32	1.9	20

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