Yu Guo

List of Publications by Year
in descending order

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310 papers	36,703 citations	3726 89 h-index	3181 186 g-index
313 all docs	313 docs citations	313 times ranked	20934 citing authors

#	Article	IF	Citations
1	Photonics and thermodynamics concepts in radiative cooling. Nature Photonics, 2022, 16, 182-190.	15.6	187
2	Protecting ice from melting under sunlight via radiative cooling. Science Advances, 2022, 8, eabj9756.	4.7	80
3	Scaling Challenges in High Power Photonic Crystal Surface-Emitting Lasers. IEEE Journal of Quantum Electronics, 2022, 58, 1-9.	1.0	11
4	Tunable Frequency Filter Based on Twisted Bilayer Photonic Crystal Slabs. ACS Photonics, 2022, 9, 800-805.	3.2	14
5	Internal transformations and internal symmetries in linear photonic systems. Physical Review A, 2022, 105, .	1.0	11
6	Flashing light with nanophotonics. Science, 2022, 375, 822-823.	6.0	4
7	Topological dissipation in a time-multiplexed photonic resonator network. Nature Physics, 2022, 18, 442-449.	6.5	58
8	Topological Materials for Functional Optoelectronic Devices. Advanced Functional Materials, 2022, 32, .	7.8	15
9	Design of Compact Meta-Crystal Slab for General Optical Convolution. ACS Photonics, 2022, 9, 1358-1365.	3.2	12
10	Subwavelength Bayer RGB color routers with perfect optical efficiency. Nanophotonics, 2022, 11, 2381-2387.	2.9	11
11	Violation of Kirchhoffâ€™s Law of Thermal Radiation with Spaceâ€“Time Modulated Grating. ACS Photonics, 2022, 9, 1157-1164.	3.2	13
12	Observation of Weyl exceptional rings in thermal diffusion. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2110018119.	3.3	21
13	Coloured low-emissivity films for building envelopes for year-round energy savings. Nature Sustainability, 2022, 5, 339-347.	11.5	80
14	Reaching the Ultimate Efficiency of Solar Energy Harvesting with a Nonreciprocal Multijunction Solar Cell. Nano Letters, 2022, 22, 448-452.	4.5	56
15	Nonreciprocal infrared absorption via resonant magneto-optical coupling to InAs. Science Advances, 2022, 8, eabm4308.	4.7	58
16	Truncation-dependent <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math> phase transition for the edge states of a two-dimensional non-Hermitian system. Physical Review B, 2022, 105, .	1.1	6
17	Adjoint Kirchhoffâ€™s Law and General Symmetry Implications for All Thermal Emitters. Physical Review X, 2022, 12, .	2.8	15
18	Reciprocity Constraints on Reflection. Physical Review Letters, 2022, 128, .	2.9	13

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19	Perfect RGBâ€IR Color Routers for Subâ€Wavelength Size CMOS Image Sensor Pixels. Advanced Photonics Research, 2021, 2, 2000048.	1.7	31
20	Scalable and hierarchically designed polymer film as a selective thermal emitter for high-performance all-day radiative cooling. Nature Nanotechnology, 2021, 16, 153-158.	15.6	405
21	Nighttime Radiative Cooling for Water Harvesting from Solar Panels. ACS Photonics, 2021, 8, 269-275.	3.2	41
22	Self-Focused Thermal Emission and Holography Realized by Mesoscopic Thermal Emitters. ACS Photonics, 2021, 8, 497-504.	3.2	18
23	Dynamic band structure measurement in the synthetic space. Science Advances, 2021, 7, .	4.7	31
24	Three-Dimensional Printable Nanoporous Polymer Matrix Composites for Daytime Radiative Cooling. Nano Letters, 2021, 21, 1493-1499.	4.5	102
25	Photonic Meron Spin Texture in Momentum Space. , 2021, , .		0
26	Topological optical differentiator. Nature Communications, 2021, 12, 680.	5.8	94
27	Doubly-Resonant Photonic Crystal Cavities for Efficient Second-Harmonic Generation in IIIâ€“V Semiconductors. Nanomaterials, 2021, 11, 605.	1.9	7
28	Transforming heat transfer with thermal metamaterials and devices. Nature Reviews Materials, 2021, 6, 488-507.	23.3	270
29	Photonic Chern insulators from two-dimensional atomic lattices interacting with a single surface plasmon polariton. Physical Review B, 2021, 103, .	1.1	3
30	Generating arbitrary topological windings of a non-Hermitian band. Science, 2021, 371, 1240-1245.	6.0	159
31	Wide wavelength-tunable narrow-band thermal radiation from moirÃ© patterns. Applied Physics Letters, 2021, 118, .	1.5	20
32	Theory for Twisted Bilayer Photonic Crystal Slabs. Physical Review Letters, 2021, 126, 136101.	2.9	72
33	Arbitrary linear transformations for photons in the frequency synthetic dimension. Nature Communications, 2021, 12, 2401.	5.8	32
34	Control of non-equilibrium Casimir force. Applied Physics Letters, 2021, 118, .	1.5	6
35	Effect of Coulomb interaction on the transient optical response of electrons in field-coupled quantum dots. Physical Review A, 2021, 103, .	1.0	3
36	Single Gyrotropic Particle as a Heat Engine. ACS Photonics, 2021, 8, 1623-1629.	3.2	10

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37	Photonic Modal Circulator Using Temporal Refractive-Index Modulation with Spatial Inversion Symmetry. Physical Review Letters, 2021, 126, 193901.	2.9	14
38	Deep-Subwavelength Thermal Switch via Resonant Coupling in Monolayer Hexagonal Boron Nitride. Physical Review Applied, 2021, 15, .	1.5	15
39	Quantum Entanglement and Modulation Enhancement of Free-Electronâ€"Bound-Electron Interaction. Physical Review Letters, 2021, 126, 233402.	2.9	43
40	Controllable finite ultra-narrow quality-factor peak in a perturbed Dirac-cone band structure of a photonic-crystal slab. Applied Physics Letters, 2021, 119, .	1.5	6
41	Arbitrary synthetic dimensions via multiboson dynamics on a one-dimensional lattice. Physical Review Research, 2021, 3, .	1.3	9
42	Inverse Design of Plasma Metamaterial Devices for Optical Computing. Physical Review Applied, 2021, 16, .	1.5	27
43	Synthetic frequency dimensions in dynamically modulated ring resonators. APL Photonics, 2021, 6, .	3.0	44
44	Inverse Design of Metasurfaces Based on Coupled-Mode Theory and Adjoint Optimization. ACS Photonics, 2021, 8, 2265-2273.	3.2	45
45	Violating Kirchhoffâ€™s Law of Thermal Radiation in Semitransparent Structures. ACS Photonics, 2021, 8, 2417-2424.	3.2	49
46	Generation of guided space-time wave packets using multilevel indirect photonic transitions in integrated photonics. Physical Review Research, 2021, 3, .	1.3	15
47	Configurable Phase Transitions in a Topological Thermal Material. Physical Review Letters, 2021, 127, 105901.	2.9	31
48	Structured 3D linear spaceâ€"time light bullets by nonlocal nanophotonics. Light: Science and Applications, 2021, 10, 160.	7.7	37
49	High-performance photonic transformers for DC voltage conversion. Nature Communications, 2021, 12, 4684.	5.8	11
50	Spaceâ€"Time Metasurfaces for Power Combining of Waves. ACS Photonics, 2021, 8, 3034-3041.	3.2	26
51	Topological complex-energy braiding of non-Hermitian bands. Nature, 2021, 598, 59-64.	13.7	132
52	Integrated cooling (i-Cool) textile of heat conduction and sweat transportation for personal perspiration management. Nature Communications, 2021, 12, 6122.	5.8	86
53	Long-Range Directional Routing and Spatial Selection of High-Spin-Purity Valley Trion Emission in Monolayer WS₂. ACS Nano, 2021, 15, 18163-18171.	7.3	14
54	Subambient daytime radiative cooling textile based on nanoprocessed silk. Nature Nanotechnology, 2021, 16, 1342-1348.	15.6	178

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55	Nonreciprocal Thermal Emitters Using Metasurfaces with Multiple Diffraction Channels. Physical Review Applied, 2021, 16, .	1.5	21
56	Thermodynamics of Light Management in Near-Field Thermophotovoltaics. Physical Review Applied, 2021, 16, .	1.5	13
57	Universal Behavior of the Scattering Matrix Near Thresholds in Photonics. Physical Review Letters, 2021, 127, 277401.	2.9	1
58	Nonequilibrium lateral force and torque by thermally excited nonreciprocal surface electromagnetic waves. Physical Review B, 2021, 104, .	1.1	17
59	Reprogrammable Electro-Optic Nonlinear Activation Functions for Optical Neural Networks. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-12.	1.9	168
60	A single photonic cavity with two independent physical synthetic dimensions. Science, 2020, 367, 59-64.	6.0	175
61	Ultrafast pyroelectric photodetection with on-chip spectral filters. Nature Materials, 2020, 19, 158-162.	13.3	100
62	Radiative Thermal Router Based on Tunable Magnetic Weyl Semimetals. ACS Photonics, 2020, 7, 3257-3263.	3.2	57
63	Higher-order topological insulators in synthetic dimensions. Light: Science and Applications, 2020, 9, 131.	7.7	75
64	Single-Photon Transport in a Topological Waveguide from a Dynamically Modulated Photonic System. Physical Review Applied, 2020, 14, .	1.5	8
65	PT -Symmetric Topological Edge-Gain Effect. Physical Review Letters, 2020, 125, 033603.	2.9	34
66	Two-level quantum system as a macroscopic scatterer for ultraconfined two-dimensional photonic modes. Physical Review A, 2020, 102, .	1.0	7
67	Terrestrial radiative cooling: Using the cold universe as a renewable and sustainable energy source. Science, 2020, 370, 786-791.	6.0	370
68	Theoretical constraints on reciprocal and non-reciprocal many-body radiative heat transfer. Physical Review B, 2020, 102, .	1.1	20
69	Inverse Design of Lightweight Broadband Reflector for Relativistic Lightsail Propulsion. ACS Photonics, 2020, 7, 2350-2355.	3.2	54
70	Tutorial on Electromagnetic Nonreciprocity and its Origins. Proceedings of the IEEE, 2020, 108, 1684-1727.	16.4	114
71	Threeâ€dimensional Random Dielectric Colloid Metamaterial with Giant Isotropic Optical Activity. Laser and Photonics Reviews, 2020, 14, 2000151.	4.4	6
72	Creating an Ecoâ€Friendly Building Coating with Smart Subambient Radiative Cooling. Advanced Materials, 2020, 32, e1906751.	11.1	196

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73	Experimental demonstration of silicon photonic devices optimized by a flexible and deterministic pixel-by-pixel technique. Applied Physics Letters, 2020, 117, 071104.	1.5	5
74	Efficient and robust wireless power transfer based on parity-time symmetry. AIP Conference Proceedings, 2020, , .	0.3	2
75	Homotopy characterization of non-Hermitian Hamiltonians. Physical Review B, 2020, 101, .	1.1	86
76	Parallel Programming of an Arbitrary Feedforward Photonic Network. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-13.	1.9	42
77	Inverse Design of Photonic Crystals through Automatic Differentiation. ACS Photonics, 2020, 7, 1729-1741.	3.2	114
78	Meron Spin Textures in Momentum Space. Physical Review Letters, 2020, 124, 106103.	2.9	44
79	Experimental demonstration of acoustic semimetal with topologically charged nodal surface. Science Advances, 2020, 6, eaav2360.	4.7	60
80	Nonreciprocal Metamaterial Obeying Time-Reversal Symmetry. Physical Review Letters, 2020, 124, 257403.	2.9	26
81	Fundamental Limits of the Dew-Harvesting Technology. Nanoscale and Microscale Thermophysical Engineering, 2020, 24, 43-52.	1.4	31
82	Photonic Refrigeration from Time-Modulated Thermal Emission. Physical Review Letters, 2020, 124, 077402.	2.9	29
83	Axion-Field-Enabled Nonreciprocal Thermal Radiation in Weyl Semimetals. Nano Letters, 2020, 20, 1923-1927.	4.5	152
84	Nonreciprocal radiative heat transfer between two planar bodies. Physical Review B, 2020, 101, .	1.1	23
85	Broadening Near-Field Emission for Performance Enhancement in Thermophotovoltaics. Nano Letters, 2020, 20, 1654-1661.	4.5	37
86	Compact Incoherent Image Differentiation with Nanophotonic Structures. ACS Photonics, 2020, 7, 338-343.	3.2	53
87	Absence of unidirectionally propagating surface plasmon-polaritons at nonreciprocal metal-dielectric interfaces. Nature Communications, 2020, 11, 674.	5.8	54
88	Thermodynamic limits for simultaneous energy harvesting from the hot sun and cold outer space. Light: Science and Applications, 2020, 9, 68.	7.7	70
89	Retarded Chargeâ€"Carrier Recombination in Photoelectrochemical Cells from Plasmonâ€Induced Resonance Energy Transfer. Advanced Energy Materials, 2020, 10, 2000570.	10.2	40
90	Universal programmable photonic architecture for quantum information processing. Physical Review A, 2020, 101, .	1.0	16

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91	Robust and efficient wireless power transfer using a switch-mode implementation of a nonlinear parityâ€"time symmetric circuit. Nature Electronics, 2020, 3, 273-279.	13.1	78
92	Subâ€Wavelength Passive Optical Isolators Using Photonic Structures Based on Weyl Semimetals. Advanced Optical Materials, 2020, 8, 2000100.	3.6	79
93	Integrated near-field thermo-photovoltaics for heat recycling. Nature Communications, 2020, 11, 2545.	5.8	85
94	Operating modes of dual-grating dielectric laser accelerators. Physical Review Accelerators and Beams, 2020, 23, .	0.6	12
95	Nonreciprocity in Bianisotropic Systems with Uniform Time Modulation. Physical Review Letters, 2020, 125, 266102.	2.9	43
96	Alice strings in non-Hermitian systems. Physical Review Research, 2020, 2, .	1.3	9
97	Experimental band structure spectroscopy along a synthetic dimension. Nature Communications, 2019, 10, 3122.	5.8	95
98	High-Temperature Polarization-Free III-Nitride Solar Cells with Self-Cooling Effects. ACS Photonics, 2019, 6, 2096-2103.	3.2	28
99	Penetration Depth Reduction with Plasmonic Metafilms. ACS Photonics, 2019, 6, 2049-2055.	3.2	5
100	Forward-Mode Differentiation of Maxwellâ€™s Equations. ACS Photonics, 2019, 6, 3010-3016.	3.2	43
101	Gate-Tunable Near-Field Heat Transfer. ACS Photonics, 2019, 6, 709-719.	3.2	46
102	High Reflection from a One-Dimensional Array of Graphene Nanoribbons. ACS Photonics, 2019, 6, 339-344.	3.2	11
103	Implications of exceptional points for few-photon transport in waveguide quantum electrodynamics. Physical Review A, 2019, 99, .	1.0	2
104	Self-sustaining thermophotonic circuits. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11596-11601.	3.3	7
105	Experimental demonstration of energy harvesting from the sky using the negative illumination effect of a semiconductor photodiode. Applied Physics Letters, 2019, 114, .	1.5	37
106	Photonic Gauge Potential in One Cavity with Synthetic Frequency and Orbital Angular Momentum Dimensions. Physical Review Letters, 2019, 122, 083903.	2.9	54
107	Nodal chain semimetal in geometrically frustrated systems. Physical Review B, 2019, 99, .	1.1	18
108	Light trapping in photonic structures. Semiconductors and Semimetals, 2019, , 45-91.	0.4	2

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109	Direct Object Recognition Without Line-Of-Sight Using Optical Coherence. , 2019, , .		10
110	Relation between photon thermal Hall effect and persistent heat current in nonreciprocal radiative heat transfer. Physical Review B, 2019, 100, .	1.1	17
111	Optically Pumped 1 Î¼m Low Threshold Photonic Crystal Surface Emitting Lasers Grown on GaAs Substrate. , 2019, , .		2
112	Broadband Linear-to-Circular Polarization Conversion Enabled by Birefringent Off-Resonance Reflective Metasurfaces. Physical Review Letters, 2019, 123, 237401.	2.9	76
113	Wave physics as an analog recurrent neural network. Science Advances, 2019, 5, eaay6946.	4.7	201
114	Rare Earth Doped Optical Fibers with Multi-section Core. IScience, 2019, 22, 423-429.	1.9	8
115	Direction-dependent parity-time phase transition and nonreciprocal amplification with dynamic gain-loss modulation. Physical Review A, 2019, 99, .	1.0	34
116	Arbitrary Polarization Conversion with a Photonic Crystal Slab. Advanced Optical Materials, 2019, 7, 1801453.	3.6	33
117	Electronically programmable photonic molecule. Nature Photonics, 2019, 13, 36-40.	15.6	155
118	Experimental Demonstration of Dynamical Input Isolation in Nonadiabatically Modulated Photonic Cavities. ACS Photonics, 2019, 6, 162-169.	3.2	13
119	Thermal meta-device in analogue of zero-index photonics. Nature Materials, 2019, 18, 48-54.	13.3	172
120	Antiâ€“parity-time symmetry in diffusive systems. Science, 2019, 364, 170-173.	6.0	217
121	Wave optics light-trapping theory: mathematical justification and ultimate limit on enhancement. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2414.	0.9	1
122	Theory of many-body radiative heat transfer without the constraint of reciprocity. Physical Review B, 2018, 97, .	1.1	53
123	Response to â€œComment on â€˜High-performance near-field electroluminescent refrigeration device consisting of a GaAs light emitting diode and a Si photovoltaic cellâ€™â€•[J. Appl. Phys. 122, 143104 (2017)]. Journal of Applied Physics, 2018, 123, 116102.	1.1	0
124	Thermodynamic limits of energy harvesting from outgoing thermal radiation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3609-E3615.	3.3	78
125	Low index contrast heterostructure photonic crystal cavities with high quality factors and vertical radiation coupling. Applied Physics Letters, 2018, 112, 141105.	1.5	13
126	Anti-Hermitian photodetector facilitating efficient subwavelength photon sorting. Nature Communications, 2018, 9, 316.	5.8	26

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127	Metamaterials for radiative sky cooling. National Science Review, 2018, 5, 132-133.	4.6	60
128	Significant Enhancement of Near-Field Electromagnetic Heat Transfer in a Multilayer Structure through Multiple Surface-States Coupling. Physical Review Letters, 2018, 120, 063901.	2.9	70
129	Nanoporous polyethylene microfibres for large-scale radiative cooling fabric. Nature Sustainability, 2018, 1, 105-112.	11.5	370
130	Size Scaling of Photonic Crystal Surface Emitting Lasers on Silicon Substrates. IEEE Photonics Journal, 2018, 10, 1-6.	1.0	6
131	Electroluminescent refrigeration by ultra-efficient GaAs light-emitting diodes. Journal of Applied Physics, 2018, 123, 173104.	1.1	41
132	Synthetic space with arbitrary dimensions in a few rings undergoing dynamic modulation. Physical Review B, 2018, 97, .	1.1	59
133	Enhancing Mo:BiVO₄ Solar Water Splitting with Patterned Au Nanospheres by Plasmonâ€Induced Energy Transfer. Advanced Energy Materials, 2018, 8, 1701765.	10.2	92
134	Optimization of Multilayer Optical Films with a Memetic Algorithm and Mixed Integer Programming. ACS Photonics, 2018, 5, 684-691.	3.2	103
135	Three-Dimensional Chiral Lattice Fermion in Floquet Systems. Physical Review Letters, 2018, 121, 196401.	2.9	26
136	Zero-Index Bound States in the Continuum. Physical Review Letters, 2018, 121, 263901.	2.9	98
137	Decoupled textures for broadband absorption enhancement beyond Lambertian light trapping limit in thin-film silicon-based solar cells. , 2018, , .		0
138	Adjoint Method and Inverse Design for Nonlinear Nanophotonic Devices. ACS Photonics, 2018, 5, 4781-4787.	3.2	188
139	Direct Measurement of Directional Emission from Monolayer WS<inf>2</inf> Laser with Heterostructure Photonic Crystal Cavities. , 2018, , .		1
140	Generate tensor network state by sequential single-photon scattering in waveguide QED systems. APL Photonics, 2018, 3, .	3.0	13
141	Photonic thermal management of coloured objects. Nature Communications, 2018, 9, 4240.	5.8	139
142	Subwavelength angle-sensing photodetectors inspired by directional hearing in small animals. Nature Nanotechnology, 2018, 13, 1143-1147.	15.6	66
143	Pulse shortening in an actively mode-locked laser with parity-time symmetry. APL Photonics, 2018, 3, 086103.	3.0	20
144	First-principles simulation of photonic crystal surface-emitting lasers using rigorous coupled wave analysis. Applied Physics Letters, 2018, 113, .	1.5	22

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145	Nanophotonic control of thermal radiation for energy applications [Invited]. Optics Express, 2018, 26, 15995.	1.7	248
146	Nonreciprocal Photonics Without Magneto-Optics. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1948-1952.	2.4	18
147	Spectrally Selective Nanocomposite Textile for Outdoor Personal Cooling. Advanced Materials, 2018, 30, e1802152.	11.1	362
148	Broadband Control of Topological Nodes in Electromagnetic Fields. Physical Review Letters, 2018, 120, 193903.	2.9	3
149	Effective electric-field force for a photon in a synthetic frequency lattice created in a waveguide modulator. Physical Review A, 2018, 97, .	1.0	34
150	Daytime Radiative Cooling Using Near-Black Infrared Emitters. ACS Photonics, 2017, 4, 626-630.	3.2	485
151	Synthetic gauge potential and effective magnetic field in a Raman medium undergoing molecular modulation. Physical Review A, 2017, 95, .	1.0	10
152	Plasmonic computing of spatial differentiation. Nature Communications, 2017, 8, 15391.	5.8	292
153	Robust wireless power transfer using a nonlinear parityâ€“time-symmetric circuit. Nature, 2017, 546, 387-390.	13.7	467
154	Analysis of an anti-reflecting nanowire transparent electrode for solar cells. Journal of Applied Physics, 2017, 121, 113109.	1.1	6
155	A Comprehensive Photonic Approach for Solar Cell Cooling. ACS Photonics, 2017, 4, 774-782.	3.2	262
156	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetric spectral singularity and negative-frequency resonance. Physical Review A, 2017, 95, .	1.0	14
157	Exergy in near-field electromagnetic heat transfer. Journal of Applied Physics, 2017, 122, 124306.	1.1	3
158	Creating anyons from photons using a nonlinear resonator lattice subject to dynamic modulation. Physical Review A, 2017, 96, .	1.0	7
159	Topologically Protected Complete Polarization Conversion. Physical Review Letters, 2017, 119, 167401.	2.9	78
160	High-performance near-field electroluminescent refrigeration device consisting of a GaAs light emitting diode and a Si photovoltaic cell. Journal of Applied Physics, 2017, 122, .	1.1	49
161	Warming up human body by nanoporous metallized polyethylene textile. Nature Communications, 2017, 8, 496.	5.8	280
162	Near-field heat transfer between graphene/hBN multilayers. Physical Review B, 2017, 95, .	1.1	155

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163	Semiconductor-based Multilayer Selective Solar Absorber for Unconcentrated Solar Thermal Energy Conversion. Scientific Reports, 2017, 7, 5362.	1.6	38
164	Generalized cluster decomposition principle illustrated in waveguide quantum electrodynamics. Physical Review A, 2017, 95, .	1.0	17
165	A dual-mode textile for human body radiative heating and cooling. Science Advances, 2017, 3, e1700895.	4.7	399
166	Achieving Arbitrary Control over Pairs of Polarization States Using Complex Birefringent Metamaterials. Physical Review Letters, 2017, 118, 253902.	2.9	47
167	Enhancing Near-Field Radiative Heat Transfer with Si-based Metasurfaces. Physical Review Letters, 2017, 118, 203901.	2.9	107
168	Passive cooling of solar cells with a comprehensive photonic approach. , 2017, , .		2
169	Enhanced light emission from MoS<inf>2</inf> in heterostructure photonic crystal cavities. , 2017, , .		0
170	Systematic Thermalphotovoltaic Solar Cell Optimization. , 2017, , .		0
171	Narrowband thermal emission from a uniform tungsten surface critically coupled with a photonic crystal guided resonance. Optics Express, 2016, 24, 29896.	1.7	28
172	Temporal coupled mode theory linking to surface-wave dispersion relations in near-field electromagnetic heat transfer. Journal of Applied Physics, 2016, 120, .	1.1	4
173	Photonic Weyl point in a two-dimensional resonator lattice with a synthetic frequency dimension. Nature Communications, 2016, 7, 13731.	5.8	170
174	Nonequilibrium Casimir Force with a Nonzero Chemical Potential for Photons. Physical Review Letters, 2016, 117, 267401.	2.9	15
175	Radiative cooling to deep sub-freezing temperatures through a 24-h dayâ€“night cycle. Nature Communications, 2016, 7, 13729.	5.8	574
176	Photonic Structure Textile Design for Localized Thermal Cooling Based on a Fiber Blending Scheme. ACS Photonics, 2016, 3, 2420-2426.	3.2	71
177	Angle-selective perfect absorption with two-dimensional materials. Light: Science and Applications, 2016, 5, e16052-e16052.	7.7	94
178	High-Performance Ultrathin BiVO₄ Photoanode on Textured Polydimethylsiloxane Substrates for Solar Water Splitting. ACS Energy Letters, 2016, 1, 68-75.	8.8	66
179	Hyperbolic Weyl Point in Reciprocal Chiral Metamaterials. Physical Review Letters, 2016, 117, 057401.	2.9	141
180	Persistent Directional Current at Equilibrium in Nonreciprocal Many-Body Near Field Electromagnetic Heat Transfer. Physical Review Letters, 2016, 117, 134303.	2.9	118

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181	Slanted gold mushroom array: a switchable bi/tridirectional surface plasmon polariton splitter. Nanoscale, 2016, 8, 15505-15513.	2.8	8
182	Radiative human body cooling by nanoporous polyethylene textile. Science, 2016, 353, 1019-1023.	6.0	764
183	Near-Field Enhanced Negative Luminescent Refrigeration. Physical Review Applied, 2016, 6, .	1.5	53
184	Plasmonic Circuit Theory for Multiresonant Light Funneling to a Single Spatial Hot Spot. Nano Letters, 2016, 16, 5764-5769.	4.5	13
185	Exceptional Contours and Band Structure Design in Parity-Time Symmetric Photonic Crystals. Physical Review Letters, 2016, 116, 203902.	2.9	102
186	Fano interference in two-photon transport. Physical Review A, 2016, 94, .	1.0	13
187	Highly tunable refractive index visible-light metasurface from block copolymer self-assembly. Nature Communications, 2016, 7, 12911.	5.8	143
188	Condition for Perfect Resonant Antireflection. Materials Research Society Symposia Proceedings, 2015, 1788, 7-12.	0.1	0
189	Analog of superradiant emission in thermal emitters. Physical Review B, 2015, 92, .	1.1	23
190	Analytical treatment of near-field electromagnetic heat transfer at the nanoscale. Physical Review B, 2015, 92, .	1.1	18
191	Complete power concentration into a single waveguide in large-scale waveguide array lenses. Scientific Reports, 2015, 4, 6635.	1.6	1
192	Limitations of nonlinear optical isolators due to dynamic reciprocity. Nature Photonics, 2015, 9, 388-392.	15.6	372
193	Heat-flux control and solid-state cooling by regulating chemical potential of photons in near-field electromagnetic heat transfer. Physical Review B, 2015, 91, .	1.1	118
194	Theory of Half-Space Light Absorption Enhancement for Leaky Mode Resonant Nanowires. Nano Letters, 2015, 15, 5513-5518.	4.5	13
195	Three-Dimensional Dynamic Localization of Light from a Time-Dependent Effective Gauge Field for Photons. Physical Review Letters, 2015, 114, 243901.	2.9	36
196	Planar immersion lens with metasurfaces. Physical Review B, 2015, 91, .	1.1	34
197	Radiative cooling of solar absorbers using a visibly transparent photonic crystal thermal blackbody. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12282-12287.	3.3	449
198	Singular evanescent wave resonances in moving media. Optics Express, 2014, 22, 26193.	1.7	14

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199	Thermal excitation of plasmons for near-field thermophotovoltaics. Applied Physics Letters, 2014, 105, .	1.5	40
200	Passive radiative cooling below ambient air temperature under direct sunlight. Nature, 2014, 515, 540-544.	13.7	2,008
201	Fluctuational electrodynamics of hyperbolic metamaterials. Journal of Applied Physics, 2014, 115, .	1.1	23
202	Giant non-equilibrium vacuum friction: role of singular evanescent wave resonances in moving media. Journal of Optics (United Kingdom), 2014, 16, 114023.	1.0	15
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