Ming Zhou

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8315141/publications.pdf

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29 papers	1,416 citations	471509 17 h-index	501196 28 g-index
31 all docs	31 docs citations	31 times ranked	1918 citing authors

#	Article	IF	Citations
1	A polydimethylsiloxane-coated metal structure for all-day radiative cooling. Nature Sustainability, 2019, 2, 718-724.	23.7	379
2	Single-shot on-chip spectral sensors based on photonic crystal slabs. Nature Communications, 2019, 10, 1020.	12.8	190
3	Vapor condensation with daytime radiative cooling. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	86
4	Large-Scale Spinning of Silver Nanofibers as Flexible and Reliable Conductors. Nano Letters, 2016, 16, 5846-5851.	9.1	81
5	Single-crystalline germanium nanomembrane photodetectors on foreign nanocavities. Science Advances, 2017, 3, e1602783.	10.3	76
6	Silicon single-photon avalanche diodes with nano-structured light trapping. Nature Communications, 2017, 8, 628.	12.8	69
7	Subwavelength angle-sensing photodetectors inspired by directional hearing in small animals. Nature Nanotechnology, 2018, 13, 1143-1147.	31.5	66
8	Strong optical response and light emission from a monolayer molecular crystal. Nature Communications, 2019, 10, 5589.	12.8	59
9	Neuromorphic metasurface. Photonics Research, 2020, 8, 46.	7.0	58
10	A flexible and transparent ceramic nanobelt network for soft electronics. NPG Asia Materials, 2014, 6, e86-e86.	7.9	50
11	Inverse Design of Metasurfaces Based on Coupled-Mode Theory and Adjoint Optimization. ACS Photonics, 2021, 8, 2265-2273.	6.6	45
12	Extraordinarily Large Optical Cross Section for Localized Single Nanoresonator. Physical Review Letters, 2015, 115, 023903.	7.8	34
13	Electromagnetic scattering laws in Weyl systems. Nature Communications, 2017, 8, 1388.	12.8	34
14	Magneto-optical metamaterials with extraordinarily strong magneto-optical effect. Applied Physics Letters, 2016, 108, .	3.3	30
15	Analog of superradiant emission in thermal emitters. Physical Review B, 2015, 92, .	3.2	23
16	Self-Focused Thermal Emission and Holography Realized by Mesoscopic Thermal Emitters. ACS Photonics, 2021, 8, 497-504.	6.6	18
17	Extended Range of Dipole-Dipole Interactions in Periodically Structured Photonic Media. Physical Review Letters, 2019, 123, 173901.	7.8	17
18	Real-time deep learning design tool for far-field radiation profile. Photonics Research, 2021, 9, B104.	7.0	16

#	Article	IF	Citations
19	Quantum scattering theory of a single-photon Fock state in three-dimensional spaces. Optics Letters, 2016, 41, 4166.	3.3	14
20	Using active gain to maximize light absorption. Physical Review B, 2017, 96, .	3.2	13
21	Angle-based wavefront sensing enabled by the near fields of flat optics. Nature Communications, 2021, 12, 6002.	12.8	13
22	High-sensitivity silicon ultraviolet p+-i-n avalanche photodiode using ultra-shallow boron gradient doping. Applied Physics Letters, 2017, 111, .	3.3	12
23	Optical Metasurface Based on the Resonant Scattering in Electronic Transitions. ACS Photonics, 2017, 4, 1279-1285.	6.6	10
24	Enhancing the optical cross section of quantum antenna. Physical Review A, 2017, 95, .	2.5	8
25	Strong magneto-optical response enabled by quantum two-level systems. Optica, 2018, 5, 1156.	9.3	5
26	Resonance for Analog Recurrent Neural Network. ACS Photonics, 2022, 9, 1647-1654.	6.6	5
27	Artificial transpiration: an efficient means of waste-water treatment. National Science Review, 2018, 5, 120-121.	9.5	3
28	A heated junction. Nature Nanotechnology, 2017, 12, 723-724.	31.5	0
29	Strong Magneto-Optical Response Enabled by Quantum Two-Level Systems. , 2019, , .		0