

Ming Zhou

List of Publications by Year in descending order

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

Version: 2024-02-01

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 | Resonance for Analog Recurrent Neural Network. ACS Photonics, 2022, 9, 1647-1654. | 6.6 | 5 |
| 2 | Self-Focused Thermal Emission and Holography Realized by Mesoscopic Thermal Emitters. ACS Photonics, 2021, 8, 497-504. | 6.6 | 18 |
| 3 | Real-time deep learning design tool for far-field radiation profile. Photonics Research, 2021, 9, B104. | 7.0 | 16 |
| 4 | Vapor condensation with daytime radiative cooling. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 86 |
| 5 | Inverse Design of Metasurfaces Based on Coupled-Mode Theory and Adjoint Optimization. ACS Photonics, 2021, 8, 2265-2273. | 6.6 | 45 |
| 6 | Angle-based wavefront sensing enabled by the near fields of flat optics. Nature Communications, 2021, 12, 6002. | 12.8 | 13 |
| 7 | Neuromorphic metasurface. Photonics Research, 2020, 8, 46. | 7.0 | 58 |
| 8 | A polydimethylsiloxane-coated metal structure for all-day radiative cooling. Nature Sustainability, 2019, 2, 718-724. | 23.7 | 379 |
| 9 | Extended Range of Dipole-Dipole Interactions in Periodically Structured Photonic Media. Physical Review Letters, 2019, 123, 173901. | 7.8 | 17 |
| 10 | Single-shot on-chip spectral sensors based on photonic crystal slabs. Nature Communications, 2019, 10, 1020. | 12.8 | 190 |
| 11 | Strong optical response and light emission from a monolayer molecular crystal. Nature Communications, 2019, 10, 5589. | 12.8 | 59 |
| 12 | Strong Magneto-Optical Response Enabled by Quantum Two-Level Systems. , 2019, , . | | 0 |
| 13 | Artificial transpiration: an efficient means of waste-water treatment. National Science Review, 2018, 5, 120-121. | 9.5 | 3 |
| 14 | Strong magneto-optical response enabled by quantum two-level systems. Optica, 2018, 5, 1156. | 9.3 | 5 |
| 15 | Subwavelength angle-sensing photodetectors inspired by directional hearing in small animals. Nature Nanotechnology, 2018, 13, 1143-1147. | 31.5 | 66 |
| 16 | Enhancing the optical cross section of quantum antenna. Physical Review A, 2017, 95, . | 2.5 | 8 |
| 17 | Optical Metasurface Based on the Resonant Scattering in Electronic Transitions. ACS Photonics, 2017, 4, 1279-1285. | 6.6 | 10 |
| 18 | A heated junction. Nature Nanotechnology, 2017, 12, 723-724. | 31.5 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Single-crystalline germanium nanomembrane photodetectors on foreign nanocavities. <i>Science Advances</i> , 2017, 3, e1602783. | 10.3 | 76 |
| 20 | High-sensitivity silicon ultraviolet p+i-n avalanche photodiode using ultra-shallow boron gradient doping. <i>Applied Physics Letters</i> , 2017, 111, . | 3.3 | 12 |
| 21 | Silicon single-photon avalanche diodes with nano-structured light trapping. <i>Nature Communications</i> , 2017, 8, 628. | 12.8 | 69 |
| 22 | Electromagnetic scattering laws in Weyl systems. <i>Nature Communications</i> , 2017, 8, 1388. | 12.8 | 34 |
| 23 | Using active gain to maximize light absorption. <i>Physical Review B</i> , 2017, 96, . | 3.2 | 13 |
| 24 | Magneto-optical metamaterials with extraordinarily strong magneto-optical effect. <i>Applied Physics Letters</i> , 2016, 108, . | 3.3 | 30 |
| 25 | Quantum scattering theory of a single-photon Fock state in three-dimensional spaces. <i>Optics Letters</i> , 2016, 41, 4166. | 3.3 | 14 |
| 26 | Large-Scale Spinning of Silver Nanofibers as Flexible and Reliable Conductors. <i>Nano Letters</i> , 2016, 16, 5846-5851. | 9.1 | 81 |
| 27 | Analog of superradiant emission in thermal emitters. <i>Physical Review B</i> , 2015, 92, . | 3.2 | 23 |
| 28 | Extraordinarily Large Optical Cross Section for Localized Single Nanoresonator. <i>Physical Review Letters</i> , 2015, 115, 023903. | 7.8 | 34 |
| 29 | A flexible and transparent ceramic nanobelt network for soft electronics. <i>NPG Asia Materials</i> , 2014, 6, e86-e86. | 7.9 | 50 |