

Zilong Wu

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,395
citations

430874

18
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

2011
citing authors

#	ARTICLE	IF	CITATIONS
1	Biologically inspired flexible photonic films for efficient passive radiative cooling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14657-14666.	7.1	260
2	Large-Area Au-Nanoparticle-Functionalized Si Nanorod Arrays for Spatially Uniform Surface-Enhanced Raman Spectroscopy. ACS Nano, 2017, 11, 1478-1487.	14.6	199
3	Opto-thermophoretic assembly of colloidal matter. Science Advances, 2017, 3, e1700458.	10.3	115
4	Moiré Nanosphere Lithography. ACS Nano, 2015, 9, 6031-6040.	14.6	91
5	Moiré Chiral Metamaterials. Advanced Optical Materials, 2017, 5, 1700034.	7.3	91
6	High-Performance Ultrathin Active Chiral Metamaterials. ACS Nano, 2018, 12, 5030-5041.	14.6	89
7	Tunable Fano Resonance and Plasmon-Exciton Coupling in Single Au Nanotriangles on Monolayer WS ₂ at Room Temperature. Advanced Materials, 2018, 30, e1705779.	21.0	88
8	Moiré Metamaterials and Metasurfaces. Advanced Optical Materials, 2018, 6, 1701057.	7.3	58
9	Room-Temperature Active Modulation of Valley Dynamics in a Monolayer Semiconductor through Chiral Purcell Effects. Advanced Materials, 2019, 31, e1904132.	21.0	46
10	Large-Area Ordered P-type Si Nanowire Arrays as Photocathode for Highly Efficient Photoelectrochemical Hydrogen Generation. ACS Applied Materials & Interfaces, 2014, 6, 12111-12118.	8.0	44
11	Tunable Chiral Optics in All-Solid-Phase Reconfigurable Dielectric Nanostructures. Nano Letters, 2021, 21, 973-979.	9.1	42
12	Chiral metamaterials via Moiré stacking. Nanoscale, 2018, 10, 18096-18112.	5.6	39
13	Label-Free Ultrasensitive Detection of Abnormal Chiral Metabolites in Diabetes. ACS Nano, 2021, 15, 6448-6456.	14.6	35
14	Dual-band moiré metasurface patches for multifunctional biomedical applications. Nanoscale, 2016, 8, 18461-18468.	5.6	32
15	Tunable multiband metasurfaces by moiré nanosphere lithography. Nanoscale, 2015, 7, 20391-20396.	5.6	29
16	Dark-Exciton-Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS ₂ at Room Temperature. Small, 2019, 15, e1900982.	10.0	25
17	Point-Shoot-Synthesis of Metallic Ring Arrays and Surface-Enhanced Optical Spectroscopy. Advanced Optical Materials, 2018, 6, 1701213.	7.3	23
18	Tunable Graphene Metasurfaces with Gradient Features by Self-Assembly-Based Moiré Nanosphere Lithography. Advanced Optical Materials, 2016, 4, 2035-2043.	7.3	21

#	ARTICLE	IF	CITATIONS
19	Controlling Plasmon-Enhanced Fluorescence via Intersystem Crossing in Photoswitchable Molecules. <i>Small</i> , 2017, 13, 1701763.	10.0	15
20	Photogenerated charges and surface potential variations investigated on single Si nanorods by electrostatic force microscopy combined with laser irradiation. <i>Nanoscale Research Letters</i> , 2014, 9, 245.	5.7	13
21	Radiative Enhancement of Plasmonic Nanopatch Antennas. <i>Plasmonics</i> , 2016, 11, 213-222.	3.4	13
22	Fabrication and characterization of SiGe coaxial quantum wells on ordered Si nanopillars. <i>Nanotechnology</i> , 2014, 25, 055204.	2.6	10
23	Substantial influence on solar energy harnessing ability by geometries of ordered Si nanowire array. <i>Nanoscale Research Letters</i> , 2014, 9, 495.	5.7	7
24	Plasmon-enhanced hierarchical photoelectrodes with mechanical flexibility for hydrogen generation from urea solution and human urine. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 63-69.	2.9	5
25	Chiral Metamaterials: Room-Temperature Active Modulation of Valley Dynamics in a Monolayer Semiconductor through Chiral Purcell Effects (<i>Adv. Mater.</i> 49/2019). <i>Advanced Materials</i> , 2019, 31, 1970347.	21.0	2
26	Moiré Metamaterials and Metasurfaces: Moiré Metamaterials and Metasurfaces (<i>Advanced Optical</i>)	7.3	0
27	Fano Resonances: Tunable Fano Resonance and Plasmon-Exciton Coupling in Single Au Nanotriangles on Monolayer WS ₂ at Room Temperature (<i>Adv. Mater.</i> 22/2018). <i>Advanced Materials</i> , 2018, 30, 1870155.	21.0	1
28	Plasmonic Metasurfaces: Tunable Graphene Metasurfaces with Gradient Features by Self-Assembly-Based Moiré Nanosphere Lithography (<i>Advanced Optical Materials</i> 12/2016). <i>Advanced Optical Materials</i> , 2016, 4, 1904-1904.	7.3	0
29	Enantiodiscrimination: Moiré Chiral Metamaterials (<i>Advanced Optical Materials</i> 16/2017). <i>Advanced Optical Materials</i> , 2017, 5, .	7.3	0
30	Dark Excitons: Dark-Exciton-Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS ₂ at Room Temperature (<i>Small</i> 31/2019). <i>Small</i> , 2019, 15, 1970164.	10.0	0
31	Plasmonic Nanostructures: Controlling Plasmon-Enhanced Fluorescence via Intersystem Crossing in Photoswitchable Molecules (<i>Small</i> 38/2017). <i>Small</i> , 2017, 13, .	10.0	0