Zilong Wu

List of Publications by Year
in descending order

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	Label-Free Ultrasensitive Detection of Abnormal Chiral Metabolites in Diabetes. ACS Nano, 2021, 15, 6448-6456.	14.6	35
2	Tunable Chiral Optics in All-Solid-Phase Reconfigurable Dielectric Nanostructures. Nano Letters, 2021, 21, 973-979.	9.1	42
3	Plasmon-enhanced hierarchical photoelectrodes with mechanical flexibility for hydrogen generation from urea solution and human urine. Journal of Applied Electrochemistry, 2020, 50, 63-69.	2.9	5
4	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
5	Dark Excitons: Darkâ€Excitonâ€Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS₂ at Room Temperature (Small 31/2019). Small, 2019, 15, 1970164.	10.0	0
6	Roomâ€Temperature Active Modulation of Valley Dynamics in a Monolayer Semiconductor through Chiral Purcell Effects. Advanced Materials, 2019, 31, e1904132.	21.0	46
7	Darkâ€Excitonâ€Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS₂ at Room Temperature. Small, 2019, 15, e1900982.	10.0	25
8	Chiral Metamaterials: Roomâ€Temperature Active Modulation of Valley Dynamics in a Monolayer Semiconductor through Chiral Purcell Effects (Adv. Mater. 49/2019). Advanced Materials, 2019, 31, 1970347.	21.0	2
9	â€œPointâ€andâ€Shootâ€•Synthesis of Metallic Ring Arrays and Surfaceâ€Enhanced Optical Spectroscopy. Advanced Optical Materials, 2018, 6, 1701213.	7.3	23
10	Tunable Fano Resonance and Plasmonâ€“Exciton Coupling in Single Au Nanotriangles on Monolayer WS₂ at Room Temperature. Advanced Materials, 2018, 30, e1705779.	21.0	88
11	MoirÃ© Metamaterials and Metasurfaces: MoirÃ© Metamaterials and Metasurfaces (Advanced Optical) Tj ETQq1 1 0.784314 rgBT /Ov	7.3	1
12	MoirÃ© Metamaterials and Metasurfaces. Advanced Optical Materials, 2018, 6, 1701057.	7.3	58
13	High-Performance Ultrathin Active Chiral Metamaterials. ACS Nano, 2018, 12, 5030-5041.	14.6	89
14	Fano Resonances: Tunable Fano Resonance and Plasmon-Exciton Coupling in Single Au Nanotriangles on Monolayer WS2 at Room Temperature (Adv. Mater. 22/2018). Advanced Materials, 2018, 30, 1870155.	21.0	1
15	Chiral metamaterials via MoirÃ© stacking. Nanoscale, 2018, 10, 18096-18112.	5.6	39
16	Large-Area Au-Nanoparticle-Functionalized Si Nanorod Arrays for Spatially Uniform Surface-Enhanced Raman Spectroscopy. ACS Nano, 2017, 11, 1478-1487.	14.6	199
17	MoirÃ© Chiral Metamaterials. Advanced Optical Materials, 2017, 5, 1700034.	7.3	91
18	Controlling Plasmonâ€Enhanced Fluorescence via Intersystem Crossing in Photoswitchable Molecules. Small, 2017, 13, 1701763.	10.0	15

#	Article	IF	Citations
19	Opto-thermophoretic assembly of colloidal matter. Science Advances, 2017, 3, e1700458.	10.3	115
20	Enantiodiscrimination: MoirÃ© Chiral Metamaterials (Advanced Optical Materials 16/2017). Advanced Optical Materials, 2017, 5, .	7.3	0
21	Plasmonic Nanostructures: Controlling Plasmonâ€Enhanced Fluorescence via Intersystem Crossing in Photoswitchable Molecules (Small 38/2017). Small, 2017, 13, .	10.0	0
22	Plasmonic Metasurfaces: Tunable Graphene Metasurfaces with Gradient Features by Self-Assembly-Based MoirÃ© Nanosphere Lithography (Advanced Optical Materials 12/2016). Advanced Optical Materials, 2016, 4, 1904-1904.	7.3	0
23	Dual-band moirÃ© metasurface patches for multifunctional biomedical applications. Nanoscale, 2016, 8, 18461-18468.	5.6	32
24	Tunable Graphene Metasurfaces with Gradient Features by Selfâ€Assemblyâ€Based MoirÃ© Nanosphere Lithography. Advanced Optical Materials, 2016, 4, 2035-2043.	7.3	21
25	Radiative Enhancement of Plasmonic Nanopatch Antennas. Plasmonics, 2016, 11, 213-222.	3.4	13
26	MoirÃ© Nanosphere Lithography. ACS Nano, 2015, 9, 6031-6040.	14.6	91
27	Tunable multiband metasurfaces by moirÃ© nanosphere lithography. Nanoscale, 2015, 7, 20391-20396.	5.6	29
28	Fabrication and characterization of SiGe coaxial quantum wells on ordered Si nanopillars. Nanotechnology, 2014, 25, 055204.	2.6	10
29	Substantial influence on solar energy harnessing ability by geometries of ordered Si nanowire array. Nanoscale Research Letters, 2014, 9, 495.	5.7	7
30	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
31	Photogenerated charges and surface potential variations investigated on single Si nanorods by electrostatic force microscopy combined with laser irradiation. Nanoscale Research Letters, 2014, 9, 245.	5.7	13