Yousheng Wang

List of Publications by Year
in descending order

24 papers	1,543 citations	331670 21 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	2258 citing authors

#	Article	IF	Citations
1	Graphene and its derivatives for solar cells application. Nano Energy, 2018, 47, 51-65.	16.0	284
2	Highly Efficient Non-Enzymatic Glucose Sensor Based on CuO Modified Vertically-Grown ZnO Nanorods on Electrode. Scientific Reports, 2017, 7, 5715.	3.3	234
3	Improved selectivity and low concentration hydrogen gas sensor application of Pd sensitized heterojunction n-ZnO/p-NiO nanostructures. Journal of Alloys and Compounds, 2019, 797, 456-464.	5.5	127
4	Air-stable, hole-conductor-free high photocurrent perovskite solar cells with CH3NH3PbI3â€“NiO nanoparticles composite. Nano Energy, 2016, 27, 535-544.	16.0	73
5	Cation-size mismatch and interface stabilization for efficient NiOx-based inverted perovskite solar cells with 21.9% efficiency. Nano Energy, 2021, 88, 106285.	16.0	66
6	Fully-ambient-processed mesoscopic semitransparent perovskite solar cells by islands-structure-MAPbI3-xClx-NiO composite and Al2O3/NiO interface engineering. Nano Energy, 2018, 49, 59-66.	16.0	65
7	Stability Enhancement in Perovskite Solar Cells with Perovskite/Silverâ€“Graphene Composites in the Active Layer. ACS Energy Letters, 2019, 4, 235-241.	17.4	61
8	Ambient-air-solution-processed efficient and highly stable perovskite solar cells based on CH3NH3PbI3â^'xClx-NiO composite with Al2O3/NiO interfacial engineering. Nano Energy, 2017, 40, 408-417.	16.0	60
9	Low-temperature sintering of highly conductive silver ink for flexible electronics. Journal of Materials Chemistry C, 2016, 4, 8522-8527.	5.5	58
10	An Embedding 2D/3D Heterostructure Enables Highâ€Performance FAâ€Alloyed Flexible Perovskite Solar Cells with Efficiency over 20%. Advanced Science, 2021, 8, e2101856.	11.2	57
11	High response and low concentration hydrogen gas sensing properties using hollow ZnO particles transformed from polystyrene@ZnO core-shell structures. International Journal of Hydrogen Energy, 2019, 44, 15677-15688.	7.1	56
12	SrTiO₃/Al₂O₃â€Graphene Electron Transport Layer for Highly Stable and Efficient Compositesâ€Based Perovskite Solar Cells with 20.6% Efficiency. Advanced Energy Materials, 2020, 10, 1903369.	19.5	53
13	Highly stable and Efficient Perovskite Solar Cells Based on FAMAâ€Perovskiteâ€Cu:NiO Composites with 20.7% Efficiency and 80.5% Fill Factor. Advanced Energy Materials, 2020, 10, 2000967.	19.5	47
14	Overcoming photovoltage deficitvianatural amino acid passivation for efficient perovskite solar cells and modules. Journal of Materials Chemistry A, 2021, 9, 5857-5865.	10.3	43
15	Highly stable perovskite solar cells based on perovskite/NiO-graphene composites and NiO interface with 25.9ÂmA/cm2 photocurrent density and 20.8% efficiency. Nano Energy, 2021, 79, 105452.	16.0	41
16	Efficient bulk heterojunction hybrid solar cells with graphene-silver nanoparticles composite synthesized by microwave-assisted reduction. Nano Energy, 2016, 28, 179-187.	16.0	37
17	Fully-ambient-air and antisolvent-free-processed stable perovskite solar cells with perovskite-based composites and interface engineering. Nano Energy, 2019, 64, 103964.	16.0	35
18	Nozzle-Jet-Printed Silver/Graphene Composite-Based Field-Effect Transistor Sensor for Phosphate Ion Detection. ACS Omega, 2019, 4, 8373-8380.	3.5	29

#	Article	IF	Citations
19	Cost-effective silver ink for printable and flexible electronics with robust mechanical performance. Chemical Engineering Journal, 2019, 373, 355-364.	12.7	29
20	A critical review of materials innovation and interface stabilization for efficient and stable perovskite photovoltaics. Nano Energy, 2021, 87, 106141.	16.0	28
21	Natural methionine-passivated MAPbI3 perovskite films for efficient and stable solar devices. Advanced Composites and Hybrid Materials, 2021, 4, 1261-1269.	21.1	27
22	Roles of Longâ€Chain Alkylamine Ligands in Tripleâ€Halide Perovskites for Efficient NiO_xâ€Based Inverted Perovskite Solar Cells. Solar Rrl, 2022, 6, .	5.8	14
23	Parametric Study of Nozzle-Jet Printing for Directly Drawn ZnO Field-Effect Transistors. Science of Advanced Materials, 2016, 8, 148-155.	0.7	9
24	Interfacial engineering with carbonâ€“graphiteâ€“Cu_{Î´}Ni_{1â^'Î´}O for ambient-air stable composite-based hole-conductor-free perovskite solar cells. Nanoscale Advances, 2020, 2, 5883-5889.	4.6	8