

Yousheng Wang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,543
citations

331670

21
h-index

580821

25
g-index

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all docs

25
docs citations

25
times ranked

2258
citing authors

#	ARTICLE	IF	CITATIONS
1	Roles of Long-Chain Alkylamine Ligands in Triple-Halide Perovskites for Efficient NiO-Based Inverted Perovskite Solar Cells. <i>Solar Rrl</i> , 2022, 6, .	5.8	14
2	Highly stable perovskite solar cells based on perovskite/NiO-graphene composites and NiO interface with 25.9 mA/cm ² photocurrent density and 20.8% efficiency. <i>Nano Energy</i> , 2021, 79, 105452.	16.0	41
3	Overcoming photovoltage deficit via natural amino acid passivation for efficient perovskite solar cells and modules. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5857-5865.	10.3	43
4	Natural methionine-passivated MAPbI ₃ perovskite films for efficient and stable solar devices. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 1261-1269.	21.1	27
5	A critical review of materials innovation and interface stabilization for efficient and stable perovskite photovoltaics. <i>Nano Energy</i> , 2021, 87, 106141.	16.0	28
6	Cation-size mismatch and interface stabilization for efficient NiO _x -based inverted perovskite solar cells with 21.9% efficiency. <i>Nano Energy</i> , 2021, 88, 106285.	16.0	66
7	An Embedding 2D/3D Heterostructure Enables High-Performance Alloyed Flexible Perovskite Solar Cells with Efficiency over 20%. <i>Advanced Science</i> , 2021, 8, e2101856.	11.2	57
8	SrTiO ₃ /Al ₂ O ₃ -Graphene Electron Transport Layer for Highly Stable and Efficient Composites-Based Perovskite Solar Cells with 20.6% Efficiency. <i>Advanced Energy Materials</i> , 2020, 10, 1903369.	19.5	53
9	Interfacial engineering with carbon-graphite-CuNiO for ambient-air stable composite-based hole-conductor-free perovskite solar cells. <i>Nanoscale Advances</i> , 2020, 2, 5883-5889.	4.6	8
10	Highly stable and Efficient Perovskite Solar Cells Based on FAMA-Perovskite-Cu:NiO Composites with 20.7% Efficiency and 80.5% Fill Factor. <i>Advanced Energy Materials</i> , 2020, 10, 2000967.	19.5	47
11	Fully-ambient-air and antisolvent-free-processed stable perovskite solar cells with perovskite-based composites and interface engineering. <i>Nano Energy</i> , 2019, 64, 103964.	16.0	35
12	Nozzle-Jet-Printed Silver/Graphene Composite-Based Field-Effect Transistor Sensor for Phosphate Ion Detection. <i>ACS Omega</i> , 2019, 4, 8373-8380.	3.5	29
13	Improved selectivity and low concentration hydrogen gas sensor application of Pd sensitized heterojunction n-ZnO/p-NiO nanostructures. <i>Journal of Alloys and Compounds</i> , 2019, 797, 456-464.	5.5	127
14	Cost-effective silver ink for printable and flexible electronics with robust mechanical performance. <i>Chemical Engineering Journal</i> , 2019, 373, 355-364.	12.7	29
15	High response and low concentration hydrogen gas sensing properties using hollow ZnO particles transformed from polystyrene@ZnO core-shell structures. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 15677-15688.	7.1	56
16	Stability Enhancement in Perovskite Solar Cells with Perovskite/Silver-Graphene Composites in the Active Layer. <i>ACS Energy Letters</i> , 2019, 4, 235-241.	17.4	61
17	Graphene and its derivatives for solar cells application. <i>Nano Energy</i> , 2018, 47, 51-65.	16.0	284
18	Fully-ambient-processed mesoscopic semitransparent perovskite solar cells by islands-structure-MAPbI ₃ -xCl _x -NiO composite and Al ₂ O ₃ /NiO interface engineering. <i>Nano Energy</i> , 2018, 49, 59-66.	16.0	65

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19	Ambient-air-solution-processed efficient and highly stable perovskite solar cells based on CH ₃ NH ₃ PbI ₃ ~xClx-NiO composite with Al ₂ O ₃ /NiO interfacial engineering. Nano Energy, 2017, 40, 408-417.	16.0	60
20	Highly Efficient Non-Enzymatic Glucose Sensor Based on CuO Modified Vertically-Grown ZnO Nanorods on Electrode. Scientific Reports, 2017, 7, 5715.	3.3	234
21	Air-stable, hole-conductor-free high photocurrent perovskite solar cells with CH ₃ NH ₃ PbI ₃ ~NiO nanoparticles composite. Nano Energy, 2016, 27, 535-544.	16.0	73
22	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
23	Low-temperature sintering of highly conductive silver ink for flexible electronics. Journal of Materials Chemistry C, 2016, 4, 8522-8527.	5.5	58
24	Parametric Study of Nozzle-Jet Printing for Directly Drawn ZnO Field-Effect Transistors. Science of Advanced Materials, 2016, 8, 148-155.	0.7	9