

Huajun Chen

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

5,891
citations

279798

23
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

9864
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved air stability of perovskite solar cells via solution-processed metal oxide transport layers. <i>Nature Nanotechnology</i> , 2016, 11, 75-81.	31.5	1,890
2	Microwave Absorption Enhancement of Multifunctional Composite Microspheres with Spinel Fe ₃ O ₄ Cores and Anatase TiO ₂ Shells. <i>Small</i> , 2012, 8, 1214-1221.	10.0	730
3	Recent Progress in Materials and Devices toward Printable and Flexible Sensors. <i>Advanced Materials</i> , 2016, 28, 4415-4440.	21.0	643
4	Tailoring the Interfacial Chemical Interaction for High-Efficiency Perovskite Solar Cells. <i>Nano Letters</i> , 2017, 17, 269-275.	9.1	307
5	Perovskite Solar Cells Employing Dopant-Free Organic Hole Transport Materials with Tunable Energy Levels. <i>Advanced Materials</i> , 2016, 28, 440-446.	21.0	249
6	A dopant-free organic hole transport material for efficient planar heterojunction perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11940-11947.	10.3	213
7	Hierarchical Fe ₃ O ₄ @TiO ₂ Yolk-Shell Microspheres with Enhanced Microwave Absorption Properties. <i>Chemistry - A European Journal</i> , 2013, 19, 6746-6752.	3.3	194
8	Pure Formamidinium-Based Perovskite Light-Emitting Diodes with High Efficiency and Low Driving Voltage. <i>Advanced Materials</i> , 2017, 29, 1603826.	21.0	179
9	Boost Up Mobility of Solution-Processed Metal Oxide Thin-Film Transistors via Confining Structure on Electron Pathways. <i>Advanced Materials</i> , 2014, 26, 4273-4278.	21.0	175
10	Fabrication of High-Performance Ultrathin In ₂ O ₃ Film Field-Effect Transistors and Biosensors Using Chemical Lift-Off Lithography. <i>ACS Nano</i> , 2015, 9, 4572-4582.	14.6	156
11	Ultrahigh and Broad Spectral Photodetectivity of an Organic-Inorganic Hybrid Phototransistor for Flexible Electronics. <i>Advanced Materials</i> , 2015, 27, 6885-6891.	21.0	137
12	Direct Light Pattern Integration of Low-Temperature Solution-Processed All-Oxide Flexible Electronics. <i>ACS Nano</i> , 2014, 8, 9680-9686.	14.6	128
13	Printable Ultrathin Metal Oxide Semiconductor-Based Conformal Biosensors. <i>ACS Nano</i> , 2015, 9, 12174-12181.	14.6	126
14	Efficiency Enhancement of Cu ₂ ZnSn(S,Se) ₄ Solar Cells via Alkali Metals Doping. <i>Advanced Energy Materials</i> , 2016, 6, 1502386.	19.5	109
15	Improving the TiO ₂ electron transport layer in perovskite solar cells using acetylacetonate-based additives. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9108-9115.	10.3	104
16	Working Mechanism for Flexible Perovskite Solar Cells with Simplified Architecture. <i>Nano Letters</i> , 2015, 15, 6514-6520.	9.1	91
17	Interface Control in Organic Electronics Using Mixed Monolayers of Carboranethiol Isomers. <i>Nano Letters</i> , 2014, 14, 2946-2951.	9.1	90
18	Hierarchical magnetic yolk-shell microspheres with mixed barium silicate and barium titanium oxide shells for microwave absorption enhancement. <i>Journal of Materials Chemistry</i> , 2012, 22, 9277.	6.7	81

#	ARTICLE	IF	CITATIONS
19	Quasi-Two-Dimensional Metal Oxide Semiconductors Based Ultrasensitive Potentiometric Biosensors. ACS Nano, 2017, 11, 4710-4718.	14.6	79
20	Hexaaqua Metal Complexes for Low-Temperature Formation of Fully Metal Oxide Thin-Film Transistors. Chemistry of Materials, 2015, 27, 5808-5812.	6.7	77
21	Interface Engineering of Metal Oxide Semiconductors for Biosensing Applications. Advanced Materials Interfaces, 2017, 4, 1700020.	3.7	72
22	Low-Impurity High-Performance Solution-Processed Metal Oxide Semiconductors via a Facile Redox Reaction. Chemistry of Materials, 2015, 27, 4713-4718.	6.7	34
23	Boosting Responsivity of Organic-Metal Oxynitride Hybrid Heterointerface Phototransistor. ACS Applied Materials & Interfaces, 2016, 8, 14665-14670.	8.0	25
24	P-6: Aqueous Precursor Based Solution-Processed Metal Oxide Semiconductor. Digest of Technical Papers SID International Symposium, 2016, 47, 1140-1142.	0.3	1
25	Preparation, Characterization, and Microwave Absorption Properties of Multifunctional Carbon Nanotube/Magnetite Nanocomposites. Nanoscience and Nanotechnology Letters, 2013, 5, 191-197.	0.4	1