

# Huajun Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

5,891  
citations

279487

23  
h-index

580395

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

9864  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface Engineering of Metal Oxide Semiconductors for Biosensing Applications. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700020.	1.9	72
2	Quasi-Two-Dimensional Metal Oxide Semiconductors Based Ultrasensitive Potentiometric Biosensors. <i>ACS Nano</i> , 2017, 11, 4710-4718.	7.3	79
3	Tailoring the Interfacial Chemical Interaction for High-Efficiency Perovskite Solar Cells. <i>Nano Letters</i> , 2017, 17, 269-275.	4.5	307
4	Pure Formamidinium <sup>+</sup> -Based Perovskite Light-Emitting Diodes with High Efficiency and Low Driving Voltage. <i>Advanced Materials</i> , 2017, 29, 1603826.	11.1	179
5	Efficiency Enhancement of Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> Solar Cells via Alkali Metals Doping. <i>Advanced Energy Materials</i> , 2016, 6, 1502386.	10.2	109
6	P-6: Aqueous Precursor Based Solution-Processed Metal Oxide Semiconductor. <i>Digest of Technical Papers SID International Symposium</i> , 2016, 47, 1140-1142.	0.1	1
7	Recent Progress in Materials and Devices toward Printable and Flexible Sensors. <i>Advanced Materials</i> , 2016, 28, 4415-4440.	11.1	643
8	Perovskite Solar Cells Employing Dopant-Free Organic Hole Transport Materials with Tunable Energy Levels. <i>Advanced Materials</i> , 2016, 28, 440-446.	11.1	249
9	Boosting Responsivity of Organic <sup>+</sup> Metal Oxynitride Hybrid Heterointerface Phototransistor. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 14665-14670.	4.0	25
10	Improved air stability of perovskite solar cells via solution-processed metal oxide transport layers. <i>Nature Nanotechnology</i> , 2016, 11, 75-81.	15.6	1,890
11	Low-Impurity High-Performance Solution-Processed Metal Oxide Semiconductors via a Facile Redox Reaction. <i>Chemistry of Materials</i> , 2015, 27, 4713-4718.	3.2	34
12	Improving the TiO <sub>2</sub> electron transport layer in perovskite solar cells using acetylacetonate-based additives. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9108-9115.	5.2	104
13	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.	5.2	213
14	Fabrication of High-Performance Ultrathin In <sub>2</sub> O <sub>3</sub> Film Field-Effect Transistors and Biosensors Using Chemical Lift-Off Lithography. <i>ACS Nano</i> , 2015, 9, 4572-4582.	7.3	156
15	Working Mechanism for Flexible Perovskite Solar Cells with Simplified Architecture. <i>Nano Letters</i> , 2015, 15, 6514-6520.	4.5	91
16	Printable Ultrathin Metal Oxide Semiconductor-Based Conformal Biosensors. <i>ACS Nano</i> , 2015, 9, 12174-12181.	7.3	126
17	Ultrahigh and Broad Spectral Photodetectivity of an Organic <sup>+</sup> Inorganic Hybrid Phototransistor for Flexible Electronics. <i>Advanced Materials</i> , 2015, 27, 6885-6891.	11.1	137
18	Hexaaqua Metal Complexes for Low-Temperature Formation of Fully Metal Oxide Thin-Film Transistors. <i>Chemistry of Materials</i> , 2015, 27, 5808-5812.	3.2	77

#	ARTICLE	IF	CITATIONS
19	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.	11.1	175
20	Direct Light Pattern Integration of Low-Temperature Solution-Processed All-Oxide Flexible Electronics. <i>ACS Nano</i> , 2014, 8, 9680-9686.	7.3	128
21	Interface Control in Organic Electronics Using Mixed Monolayers of Carboranethiol Isomers. <i>Nano Letters</i> , 2014, 14, 2946-2951.	4.5	90
22	Hierarchical Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> Yolk-Shell Microspheres with Enhanced Microwave Absorption Properties. <i>Chemistry - A European Journal</i> , 2013, 19, 6746-6752.	1.7	194
23	Preparation, Characterization, and Microwave Absorption Properties of Multifunctional Carbon Nanotube/Magnetite Nanocomposites. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 191-197.	0.4	1
24	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
25	Microwave Absorption Enhancement of Multifunctional Composite Microspheres with Spinel Fe <sub>3</sub> O <sub>4</sub> Cores and Anatase TiO <sub>2</sub> Shells. <i>Small</i> , 2012, 8, 1214-1221.	5.2	730