

# Jing Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

792  
citations

567281

15  
h-index

677142

22  
g-index

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all docs

23  
docs citations

23  
times ranked

1098  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of interfacial characteristics of antimony sulfide selenide solar cells with double electron transport layer structure. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2022, 71, 038802.	0.5	0
2	Efficient Sb <sub>2</sub> S <sub>3</sub> solar cells employing favorable (Sb <sub>4</sub> S <sub>6</sub> ) <sub>n</sub> ribbon orientation via hydrothermal method. <i>Materials Letters</i> , 2022, 316, 132032.	2.6	10
3	Enhanced charge carrier transport via efficient grain conduction mode for Sb <sub>2</sub> Se <sub>3</sub> solar cell applications. <i>Applied Surface Science</i> , 2022, 591, 153169.	6.1	25
4	Two-Dimensional V <sub>2</sub> N MXene Monolayer as a High-Capacity Anode Material for Lithium-Ion Batteries and Beyond: First-Principles Calculations. <i>ACS Omega</i> , 2022, 7, 17756-17764.	3.5	18
5	Epitaxial Growth of Vertically Aligned Antimony Selenide Nanorod Arrays for Heterostructure Based Self-Powered Photodetector. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	44
6	Theoretical Insight into High-Efficiency Triple-Junction Tandem Solar Cells via the Band Engineering of Antimony Chalcogenides. <i>Solar Rrl</i> , 2021, 5, 2000800.	5.8	70
7	Substrate dependence on (Sb <sub>4</sub> Se <sub>6</sub> ) <sub>n</sub> ribbon orientations of antimony selenide thin films: Morphology, carrier transport and photovoltaic performance. <i>Journal of Alloys and Compounds</i> , 2021, 862, 158703.	5.5	40
8	Rotational design of charge carrier transport layers for optimal antimony trisulfide solar cells and its integration in tandem devices. <i>Solar Energy Materials and Solar Cells</i> , 2020, 206, 110279.	6.2	88
9	Germanium-based high-performance dual-ion batteries. <i>Nanoscale</i> , 2020, 12, 79-84.	5.6	31
10	Dual-function of CdCl <sub>2</sub> treated SnO <sub>2</sub> in Sb <sub>2</sub> Se <sub>3</sub> solar cells. <i>Applied Surface Science</i> , 2020, 534, 147632.	6.1	30
11	A novel and fast method to prepare a Cu-supported $\text{I}\pm\text{Sb}_2\text{S}_3\text{@CuSbS}_2$ binder-free electrode for sodium-ion batteries. <i>RSC Advances</i> , 2020, 10, 29567-29574.	3.6	15
12	Ultrathin microcrystalline hydrogenated Si/Ge alloyed tandem solar cells towards full solar spectrum conversion. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 14, 997-1005.	4.4	32
13	Mesoporous CeO <sub>2</sub> Catalyst Synthesized by Using Cellulose as Template for the Ozonation of Phenol. <i>Ozone: Science and Engineering</i> , 2019, 41, 166-174.	2.5	15
14	Few-Layer Bismuthene with Anisotropic Expansion for High-Areal-Capacity Sodium-Ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1807874.	21.0	165
15	A densely packed Sb <sub>2</sub> O <sub>3</sub> nanosheet-graphene aerogel toward advanced sodium-ion batteries. <i>Nanoscale</i> , 2018, 10, 9108-9114.	5.6	46
16	Application of 3D hierarchical monoclinic-type structural Sb-doped WO <sub>3</sub> towards NO <sub>2</sub> gas detection at low temperature. <i>Nanoscale</i> , 2018, 10, 7440-7450.	5.6	54
17	Facile synthesis of an urchin-like Sb <sub>2</sub> S <sub>3</sub> nanostructure with high photocatalytic activity. <i>RSC Advances</i> , 2018, 8, 18451-18455.	3.6	12
18	Role of carbon quantum dots in titania based photoelectrodes: Upconversion or others?. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 396-403.	9.4	12

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19	3D nest-shaped Sb <sub>2</sub> O <sub>3</sub> /RGO composite based high-performance lithium-ion batteries. <i>Nanoscale</i> , 2016, 8, 17131-17135.	5.6	45
20	Facile synthesis of novel nest-shaped Sb <sub>2</sub> O <sub>3</sub> micro/nanostructures and their optical properties. <i>RSC Advances</i> , 2016, 6, 89799-89802.	3.6	6
21	Non-uniform distribution in $\text{Si}_{1-x}\text{Ge}_x\text{H}$ and its influence on thin film and device performance. <i>Solar Energy Materials and Solar Cells</i> , 2016, 151, 1-6.	6.2	16
22	Band gap grading in microcrystalline silicon germanium thin film solar cells. <i>Journal of Alloys and Compounds</i> , 2015, 632, 456-459.	5.5	16
23	Synthesis and optical properties of octahedron Sb <sub>2</sub> O <sub>3</sub> nanocrystal by simple solution route. <i>Chinese Science Bulletin</i> , 2014, 59, 572-577.	0.7	2