

Jing Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

792
citations

567281

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times ranked

1098
citing authors

#	ARTICLE	IF	CITATIONS
1	Few-layer Bismuthene with Anisotropic Expansion for High-area Capacity Sodium-ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1807874.	21.0	165
2	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
3	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
4	Application of 3D hierarchical monoclinic-type structural Sb-doped WO_3 towards NO_2 gas detection at low temperature. <i>Nanoscale</i> , 2018, 10, 7440-7450.	5.6	54
5	A densely packed Sb_2O_3 nanosheet-graphene aerogel toward advanced sodium-ion batteries. <i>Nanoscale</i> , 2018, 10, 9108-9114.	5.6	46
6	3D nest-shaped $\text{Sb}_2\text{O}_3/\text{RGO}$ composite based high-performance lithium-ion batteries. <i>Nanoscale</i> , 2016, 8, 17131-17135.	5.6	45
7	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
8	Substrate dependence on $(\text{Sb}_4\text{Se}_6)_n$ 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
9	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
10	Germanium-based high-performance dual-ion batteries. <i>Nanoscale</i> , 2020, 12, 79-84.	5.6	31
11	Dual-function of CdCl_2 treated SnO_2 in Sb_2Se_3 solar cells. <i>Applied Surface Science</i> , 2020, 534, 147632.	6.1	30
12	Enhanced charge carrier transport via efficient grain conduction mode for Sb_2Se_3 solar cell applications. <i>Applied Surface Science</i> , 2022, 591, 153169.	6.1	25
13	Two-Dimensional V_2N 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
14	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
15	Non-uniform distribution in $\text{Si}_{1-x}\text{Ge}_x$: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
16	Mesoporous CeO_2 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
17	A novel and fast method to prepare a Cu-supported $\text{Sb}_2\text{S}_3/\text{CuSbS}_2$ binder-free electrode for sodium-ion batteries. <i>RSC Advances</i> , 2020, 10, 29567-29574.	3.6	15
18	Facile synthesis of an urchin-like Sb_2S_3 nanostructure with high photocatalytic activity. <i>RSC Advances</i> , 2018, 8, 18451-18455.	3.6	12

#	ARTICLE	IF	CITATIONS
19	Role of carbon quantum dots in titania based photoelectrodes: Upconversion or others?. Journal of Colloid and Interface Science, 2018, 529, 396-403.	9.4	12
20	Efficient Sb ₂ S ₃ solar cells employing favorable (Sb ₄ S ₆) _n ribbon orientation via hydrothermal method. Materials Letters, 2022, 316, 132032.	2.6	10
21	Facile synthesis of novel nest-shaped Sb ₂ O ₃ micro/nanostructures and their optical properties. RSC Advances, 2016, 6, 89799-89802.	3.6	6
22	Synthesis and optical properties of octahedron Sb ₂ O ₃ nanocrystal by simple solution route. Chinese Science Bulletin, 2014, 59, 572-577.	0.7	2
23	Optimization of interfacial characteristics of antimony sulfide selenide solar cells with double electron transport layer structure. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 038802.	0.5	0