

Aimin Wu

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

412
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23
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23
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citing authors

#	ARTICLE	IF	CITATIONS
1	Suppress oxygen evolution of lithium-rich manganese-based cathode materials via an integrated strategy. <i>Green Energy and Environment</i> , 2024, 9, 138-151.	8.7	8
2	Solvothermal synthesis of 3D hierarchical Cu ₂ FeSnS ₄ microspheres for photocatalytic degradation of organic pollutants. <i>Environmental Research</i> , 2022, 205, 112539.	7.5	7
3	The capacitive loss of microwave energy in Ni@SiC@C core/bi-shell nanoparticles. <i>Chemical Engineering Journal</i> , 2022, 434, 134655.	12.7	14
4	Influence of surfactant-assisted synthesis and different operational parameters on photocatalytic performance of Cu ₂ FeSnS ₄ particles. <i>Surfaces and Interfaces</i> , 2021, 24, 101134.	3.0	5
5	Superior lithium-ion storage of V-doped MoO ₃ nanosheets via plasma evaporation. <i>Electrochimica Acta</i> , 2021, 394, 139121.	5.2	9
6	Adsorption and diffusion of alkali metals (Li, Na, and K) on heteroatom-doped monolayer titanium disulfide. <i>Dalton Transactions</i> , 2021, 50, 7065-7077.	3.3	7
7	Dual-Constrained Sulfur in FeS ₂ @C Nanostructured Lithium-Sulfide Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 10950-10960.	5.1	21
8	Band-Gap Tunable 2D Hexagonal (GaN) _{1-x} (ZnO) _x Solid-Solution Nanosheets for Photocatalytic Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8583-8591.	8.0	40
9	SnS ₂ and SnS/SnS ₂ heterojunction nanosheets prepared by in-situ one-step sulfurization and visible light-assisted electrochemical water splitting properties. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155174.	5.5	23
10	Three-Dimensional Carbon Nitride Nanowire Scaffold for Flexible Supercapacitors. <i>Nanoscale Research Letters</i> , 2019, 14, 98.	5.7	22
11	Electrocatalytic oxygen reduction reaction activity of KOH etched carbon films as metal-free cathodic catalysts for fuel cells. <i>RSC Advances</i> , 2019, 9, 2803-2811.	3.6	5
12	Composition and Band Gap Tailoring of Crystalline (GaN) _{1-x} (ZnO) _x Solid Solution Nanowires for Enhanced Photoelectrochemical Performance. <i>Inorganic Chemistry</i> , 2018, 57, 5240-5248.	4.0	31
13	Composition Formulas of Inorganic Compounds in Terms of Cluster Plus Glue Atom Model. <i>Inorganic Chemistry</i> , 2018, 57, 710-717.	4.0	19
14	Inverse Capacity Growth and Pocket Effect in SnS ₂ Semifilled Carbon Nanotube Anode. <i>ACS Nano</i> , 2018, 12, 8037-8047.	14.6	90
15	Band-gap tailoring and visible-light-driven photocatalytic performance of porous (GaN) _{1-x} (ZnO) _x solid solution. <i>Dalton Transactions</i> , 2017, 46, 2643-2652.	3.3	32
16	Solubility and crystallographic facet tailoring of (GaN) _{1-x} (ZnO) _x pseudobinary solid-solution nanostructures as promising photocatalysts. <i>Nanoscale</i> , 2016, 8, 3694-3703.	5.6	42
17	Synthesis and characterization of amorphous Al _{1-x} Mg _x B prepared by various deposition temperatures. <i>Rare Metals</i> , 2013, 32, 159-164.	7.1	3
18	Influence of boron contents on properties of AlMgB films prepared by RF magnetron sputtering. <i>Rare Metals</i> , 2012, 31, 164-167.	7.1	11

#	ARTICLE	IF	CITATIONS
19	Fabrication and its characteristics of hard coating Ti-Al-N system prepared by DC magnetron sputtering. Rare Metals, 2012, 31, 178-182.	7.1	5
20	New two-step growth of microcrystalline silicon thin films without incubation layer. Journal of Crystal Growth, 2011, 322, 1-5.	1.5	10
21	Study on Al _x Ni _y Alloys as Diffusion Barriers in Flexible Thin Film Solar Cells. Plasma Science and Technology, 2011, 13, 600-603.	1.5	0
22	Fabrication and its characteristics of low-temperature polycrystalline silicon thin films. Science in China Series D: Earth Sciences, 2009, 52, 260-263.	0.9	7