Aimin Wu

List of Publications by Year
in descending order

22 papers	412 citations	840776 11 h-index	752698 20 g-index
23 all docs	23 docs citations	23 times ranked	536 citing authors

#	Article	IF	Citations
1	Inverse Capacity Growth and Pocket Effect in SnS₂ Semifilled Carbon Nanotube Anode. ACS Nano, 2018, 12, 8037-8047.	14.6	90
2	Solubility and crystallographic facet tailoring of (GaN)_{1â^'x}(ZnO)_x pseudobinary solid-solution nanostructures as promising photocatalysts. Nanoscale, 2016, 8, 3694-3703.	5.6	42
3	Band-Gap Tunable 2D Hexagonal (GaN)_{1â€“x}(ZnO)_x Solid-Solution Nanosheets for Photocatalytic Water Splitting. ACS Applied Materials & Interfaces, 2020, 12, 8583-8591.	8.0	40
4	Band-gap tailoring and visible-light-driven photocatalytic performance of porous (GaN)_{1â^'x}(ZnO)_x solid solution. Dalton Transactions, 2017, 46, 2643-2652.	3.3	32
5	Composition and Band Gap Tailoring of Crystalline (GaN)_{1â€“x}(ZnO)_x Solid Solution Nanowires for Enhanced Photoelectrochemical Performance. Inorganic Chemistry, 2018, 57, 5240-5248.	4.0	31
6	SnS2 and SnS/SnS2 heterojunction nanosheets prepared by in-situ one-step sulfurization and visible light-assisted electrochemical water splitting properties. Journal of Alloys and Compounds, 2020, 834, 155174.	5.5	23
7	Three-Dimensional Carbon Nitride Nanowire Scaffold for Flexible Supercapacitors. Nanoscale Research Letters, 2019, 14, 98.	5.7	22
8	Dual-Constrained Sulfur in FeS₂@C Nanostructured Lithium-Sulfide Batteries. ACS Applied Energy Materials, 2020, 3, 10950-10960.	5.1	21
9	Composition Formulas of Inorganic Compounds in Terms of Cluster Plus Glue Atom Model. Inorganic Chemistry, 2018, 57, 710-717.	4.0	19
10	The capacitive loss of microwave energy in Ni@SiC@C core/bi-shell nanoparticles. Chemical Engineering Journal, 2022, 434, 134655.	12.7	14
11	Influence of boron contents on properties of AlMgB films prepared by RF magnetron sputtering. Rare Metals, 2012, 31, 164-167.	7.1	11
12	New two-step growth of microcrystalline silicon thin films without incubation layer. Journal of Crystal Growth, 2011, 322, 1-5.	1.5	10
13	Superior lithium-ion storage of V-doped MoO3 nanosheets via plasma evaporation. Electrochimica Acta, 2021, 394, 139121.	5.2	9
14	Suppress oxygen evolution of lithium-rich manganese-based cathode materials via an integrated strategy. Green Energy and Environment, 2024, 9, 138-151.	8.7	8
15	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
16	Adsorption and diffusion of alkali metals (Li, Na, and K) on heteroatom-doped monolayer titanium disulfide. Dalton Transactions, 2021, 50, 7065-7077.	3.3	7
17	Solvothermal synthesis of 3D hierarchical Cu2FeSnS4 microspheres for photocatalytic degradation of organic pollutants. Environmental Research, 2022, 205, 112539.	7.5	7
18	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

#	Article	IF	Citations
19	Electrocatalytic oxygen reduction reaction activity of KOH etched carbon films as metal-free cathodic catalysts for fuel cells. RSC Advances, 2019, 9, 2803-2811.	3.6	5
20	Influence of surfactant-assisted synthesis and different operational parameters on photocatalytic performance of Cu2FeSnS4 particles. Surfaces and Interfaces, 2021, 24, 101134.	3.0	5
21	Synthesis and characterization of amorphous Alâ€“Mgâ€“B prepared by various deposition temperatures. Rare Metals, 2013, 32, 159-164.	7.1	3
22	Study on AlxNiyAlloys as Diffusion Barriers in Flexible Thin Film Solar Cells. Plasma Science and Technology, 2011, 13, 600-603.	1.5	0