

Yang Yang

List of Publications by Year in descending order

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36
papers

1,367
citations

430874

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37
all docs

37
docs citations

37
times ranked

2501
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in the synthesis and catalytic applications of ligand-protected, atomically precise metal nanoclusters. <i>Coordination Chemistry Reviews</i> , 2016, 322, 1-29.	18.8	281
2	Enhancing Electron Transfer and Electrocatalytic Activity on Crystalline Carbon-Conjugated g-C ₃ N ₄ . <i>ACS Catalysis</i> , 2018, 8, 1926-1931.	11.2	172
3	Surface-Modified Porous Carbon Nitride Composites as Highly Efficient Electrocatalyst for Zn-Air Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1701642.	19.5	129
4	Morphological Map of ZIF-8 Crystals with Five Distinctive Shapes: Feature of Filler in Mixed-Matrix Membranes on C ₃ H ₆ /C ₃ H ₈ Separation. <i>Chemistry of Materials</i> , 2018, 30, 3467-3473.	6.7	94
5	N-Doped CoS ₂ Embedded in TiO ₂ Nanoporous Films for Zn-Air Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1804540.	14.9	93
6	Periodically Patterned Au-TiO ₂ Heterostructures for Photoelectrochemical Sensor. <i>ACS Sensors</i> , 2017, 2, 621-625.	7.8	86
7	Superlattice Formation from Polydisperse Ag Nanoparticles by a Vapor-Diffusion Method. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5662-5665.	13.8	50
8	Homoepitaxial Branching: An Unusual Polymorph of Zinc Oxide Derived from Seeded Solution Growth. <i>ACS Nano</i> , 2012, 6, 7133-7141.	14.6	47
9	Unexpected Long-Term Instability of ZnO Nanowires Protected by a TiO ₂ Shell. <i>Journal of the American Chemical Society</i> , 2009, 131, 13920-13921.	13.7	40
10	Cu-MOF assisted synthesis of CuS/CdS(H)/CdS(C): Enhanced photocatalytic hydrogen production under visible light. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30965-30973.	7.1	31
11	Core-Shell TiO ₂ @Au ₂₅ /TiO ₂ Nanowire Arrays Photoanode for Efficient Photoelectrochemical Full Water Splitting. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 14224-14233.	3.7	30
12	Zero-Dimensional/Two-Dimensional Au ₂₅ (Cys) ₁₈ Nanoclusters/g-C ₃ N ₄ Nanosheets Composites for Enhanced Photocatalytic Hydrogen Production under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8447-8457.	6.7	29
13	Antisolvent Crystallization Approach to Construction of CuI Superstructures with Defined Geometries. <i>ACS Nano</i> , 2013, 7, 2820-2828.	14.6	26
14	Enhanced Corrosion Resistance of PVD-CrN Coatings by ALD Sealing Layers. <i>Nanoscale Research Letters</i> , 2017, 12, 248.	5.7	26
15	Inducible Sequential Oxidation Process in Water-Soluble Copper Nanoclusters for Direct Colorimetric Assay of Hydrogen Peroxide in a Wide Dynamic and Sampling Range. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11035-11044.	8.0	20
16	Less is more: Enhancement of photocatalytic activity of g-C ₃ N ₄ nanosheets by site-selective atomic layer deposition of TiO ₂ . <i>Applied Surface Science</i> , 2019, 494, 508-518.	6.1	20
17	Spatial separation of photogenerated electron-hole pairs in solution-grown ZnO tandem p-core-shell nanowire arrays toward highly sensitive photoelectrochemical detection of hydrogen peroxide. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14397-14405.	10.3	19
18	Insights on boosting oxygen evolution reaction performance via boron incorporation into nitrogen-doped carbon electrocatalysts. <i>Applied Surface Science</i> , 2020, 528, 146979.	6.1	18

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19	One-step synthesis of carbon dots embedded zinc oxide microspheres for luminescent detection and removal of dichromate anions in water. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 130-137.	7.8	17
20	One-Step Synthesis of Carbon-Hybridized ZnO on Polymeric Foams by Atomic Layer Deposition for Efficient Absorption of Oils from Water. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 1269-1276.	3.7	16
21	Crystallization-mediated amorphous Cu_xO ($x = 1, 2$)/crystalline CuI p-n type heterojunctions with visible light enhanced and ultraviolet light restrained photocatalytic dye degradation performance. <i>Applied Surface Science</i> , 2017, 402, 31-40.	6.1	15
22	Two-dimensional superstructures filled into polysulfone membranes for highly improved ultrafiltration: The case of cuprous iodide nanosheets. <i>Journal of Membrane Science</i> , 2019, 576, 142-149.	8.2	12
23	Optimization of Catalytic Sites in Cobalt-Modified Nitrogen-Doped Carbon towards High-Performance Oxygen Reduction Electrocatalysts for Zinc-Air Batteries. <i>ChemElectroChem</i> , 2020, 7, 421-427.	3.4	11
24	Enhancing Water Oxidation Activity by Tuning Two-Dimensional Architectures and Compositions on CoMo Hydr(oxy)oxide. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16879-16887.	3.1	11
25	Improving photoelectrochemical response of ZnO nanowire arrays by coating with p-type ZnO-resembling metal-organic framework. <i>Dalton Transactions</i> , 2019, 48, 9310-9316.	3.3	10
26	Hybrid Molybdenum Carbide/Heteroatom-Doped Carbon Electrocatalyst for Advanced Oxygen Evolution Reaction in Hydrogen Production. <i>Catalysts</i> , 2020, 10, 1290.	3.5	10
27	Controlled aggregation of phytic acid metal complex on polysulfone ultrafiltration membrane toward simultaneous rejection of highly emulsified oils and dyes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128568.	4.7	10
28	Growth and Photocatalytic Activities of Porous ZnO/TiO ₂ Composite Microspheres with Crystalline-Amorphous Phase Boundary. <i>Catalysis Letters</i> , 2021, 151, 1937-1947.	2.6	9
29	Seeded growth of ZnO nanowires in dye-containing solution: the submerged plant analogy and its application in photodegradation of dye pollutants. <i>CrystEngComm</i> , 2020, 22, 4154-4161.	2.6	8
30	Phosphate-Assisted Dispersion of Iron Phosphide in Carbon Nanosheets towards Efficient and Durable ORR Catalysts in Acidic and Alkaline Media. <i>ChemCatChem</i> , 2021, 13, 4431-4441.	3.7	8
31	Enhanced activity towards oxygen electrocatalysis for rechargeable Zn-air batteries by alloying Fe and Co in N-doped carbon. <i>Dalton Transactions</i> , 2021, 50, 16185-16190.	3.3	6
32	Boosting Synergy of Polymetal Phosphides by Core-Shell Design of Prussian Blue Analogue Precursors as Electrocatalysts for Water Splitting. <i>ChemCatChem</i> , 2022, 14, .	3.7	5
33	Ligand-free Au nanoclusters/g-C ₃ N ₄ ultra-thin nanosheets composite photocatalysts for efficient visible-light-driven photocatalytic H ₂ generation. <i>Journal of Materials Science</i> , 2021, 56, 13736-13751.	3.7	4
34	Spacing prior to decorating TiO ₂ nanowires with dewetted Au nanoparticles for boosting photoelectrochemical water oxidation. <i>CrystEngComm</i> , 2021, 23, 6551-6558.	2.6	3
35	Hybrid-Monomer-Addition Growth Mechanism for Optimal Construction of Mesoporous ZnO Microspheres with Enhanced Visible-Light Photoactivity. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7414-7425.	0.9	1
36	Rational Assembly of Superstructure Microparticles into Mosaic-Like Highly Oriented Monolayer for Glucose-Responsive Electrodes. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100433.	3.7	0