

Guanyu Liu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

729
citations

567281

15
h-index

752698

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22
all docs

22
docs citations

22
times ranked

1086
citing authors

#	ARTICLE	IF	CITATIONS
1	Research advances towards large-scale solar hydrogen production from water. <i>EnergyChem</i> , 2019, 1, 100014.	19.1	130
2	Omnidirectional Self-Assembly of Transparent Superoleophobic Nanotextures. <i>ACS Nano</i> , 2017, 11, 587-596.	14.6	104
3	Wetting-regulated gas-involving (photo)electrocatalysis: biomimetics in energy conversion. <i>Chemical Society Reviews</i> , 2021, 50, 10674-10699.	38.1	63
4	Manipulating Intermediates at the Au@TiO ₂ Interface over InP Nanopillar Array for Photoelectrochemical CO ₂ Reduction. <i>ACS Catalysis</i> , 2021, 11, 11416-11428.	11.2	48
5	Robust Sub-Monolayers of Co ₃ O ₄ Nanoparticles: A Highly Transparent Morphology for Efficient Water Oxidation Catalysis. <i>Advanced Energy Materials</i> , 2016, 6, 1600697.	19.5	44
6	A Review of Metal and Metal Oxide-Based Heterogeneous Catalysts for Electroreduction of Carbon Dioxide. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800028.	5.3	44
7	Superamphiphobic Bionic Proboscis for Contamination-Free Manipulation of Nano and Core-Shell Droplets. <i>Small</i> , 2017, 13, 1603688.	10.0	34
8	Rational Synthesis of Amorphous Iron-Nickel Phosphonates for Highly Efficient Photocatalytic Water Oxidation with Almost 100% Yield. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1171-1175.	13.8	32
9	Flexible Transparent Hierarchical Nanomesh for Rose Petal-Like Droplet Manipulation and Lossless Transfer. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500071.	3.7	31
10	One-Step Rapid and Scalable Flame Synthesis of Efficient WO ₃ Photoanodes for Water Splitting. <i>ChemPlusChem</i> , 2018, 83, 569-576.	2.8	31
11	Scalable Synthesis of Efficient Water Oxidation Catalysts: Insights into the Activity of Flame-Made Manganese Oxide Nanocrystals. <i>ChemSusChem</i> , 2015, 8, 4162-4171.	6.8	30
12	Ultraporous superhydrophobic gas-permeable nano-layers by scalable solvent-free one-step self-assembly. <i>Nanoscale</i> , 2016, 8, 6085-6093.	5.6	29
13	Tuning the morphology and structure of disordered hematite photoanodes for improved water oxidation: A physical and chemical synergistic approach. <i>Nano Energy</i> , 2018, 53, 745-752.	16.0	29
14	Single-Ni Sites Embedded in Multilayer Nitrogen-Doped Graphene Derived from Amino-Functionalized MOF for Highly Selective CO ₂ Electroreduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3792-3801.	6.7	24
15	Direct Observation of Oxygen Evolution and Surface Restructuring on Mn ₂ O ₃ Nanocatalysts Using <i>In Situ</i> and <i>Ex Situ</i> Transmission Electron Microscopy. <i>Nano Letters</i> , 2021, 21, 7012-7020.	9.1	19
16	Bimetallic MOF derived nickel nanoclusters supported by nitrogen-doped carbon for efficient electrocatalytic CO ₂ reduction. <i>Nano Research</i> , 2023, 16, 4546-4553.	10.4	11
17	Revealing Atomic Structure and Oxidation States of Dopants in Charge-Ordered Nanoparticles for Migration-Promoted Oxygen-Exchange Capacity. <i>Chemistry of Materials</i> , 2019, 31, 5769-5777.	6.7	10
18	Elucidating Reaction Pathways of the CO ₂ Electroreduction via Tailorable Tortuosities and Oxidation States of Cu Nanostructures. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	9

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19	Rational Synthesis of Amorphous Iron-Nickel Phosphonates for Highly Efficient Photocatalytic Water Oxidation with Almost 100% Yield. <i>Angewandte Chemie</i> , 2020, 132, 1187-1191.	2.0	4
20	Insights into Tuning of Mo-Based Structures toward Enhanced Electrocatalytic Performance of Nitrogen-to-Ammonia Conversion. <i>Advanced Energy and Sustainability Research</i> , 2022, 3, .	5.8	3