

Xien Liu

List of Publications by Year in descending order

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23
papers

2,336
citations

443078

17
h-index

584024

24
g-index

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all docs

24
docs citations

24
times ranked

4359
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrodeposition of NiFe-layered double hydroxide layer on sulfur-modified nickel molybdate nanorods for highly efficient seawater splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 349-358.	9.9	88
2	PEO-PPO-PEO induced holey NiFe-LDH nanosheets on Ni foam for efficient overall water-splitting and urea electrolysis. <i>Journal of Colloid and Interface Science</i> , 2022, 618, 141-148.	9.9	34
3	Cu ₂ Se nanowires shelled with NiFe layered double hydroxide nanosheets for overall water-splitting. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 370-380.	9.9	67
4	Weakened lattice-strain effect in MoO ₃ @NPC-supported ruthenium dots toward high-efficiency hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24348-24354.	9.3	10
5	In-situ transformation to accordion-like core-shell structured metal@metallic hydroxide nanosheet from nanorod morphology for overall water-splitting in alkaline media. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 105-114.	9.9	14
6	Bimetallic metal-organic framework-derived MoFe-PC microspheres for electrocatalytic ammonia synthesis under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2099-2104.	9.3	66
7	NiFe-coordinated zeolitic imidazolate framework derived trifunctional electrocatalyst for overall water-splitting and zinc-air batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 1-11.	9.9	45
8	Engineering MoS ₂ nanostructures from various MoO ₃ precursors towards hydrogen evolution reaction. <i>CrystEngComm</i> , 2020, 22, 2258-2267.	2.5	19
9	Adsorption performance and physicochemical mechanism of MnO ₂ -polyethylenimine-tannic acid composites for the removal of Cu(II) and Cr(VI) from aqueous solution. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 15, 538-551.	3.6	10
10	Systematic Investigation on the Adsorption Performance and Mechanism of MnO ₂ /TA Nanoflowers for Cu(II) Removal from Aqueous Solution. <i>ChemistrySelect</i> , 2019, 4, 3247-3258.	1.7	6
11	Preparation, characterization, and properties of Pt/Al ₂ O ₃ /cordierite monolith catalyst for hydrogen generation from hydrolysis of sodium borohydride in a flow reactor. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28463-28470.	9.2	51
12	Stability and kinetic studies of MOF-derived carbon-confined ultrafine Co catalyst for sodium borohydride hydrolysis. <i>International Journal of Energy Research</i> , 2019, 43, 3702-3710.	4.4	42
13	Ni/NiM ₂ O ₄ (M = Mn or Fe) supported on N-doped carbon nanotubes as trifunctional electrocatalysts for ORR, OER and HER. <i>Catalysis Science and Technology</i> , 2019, 9, 1595-1601.	4.0	86
14	Mild Hydrogenation of α -Pinene Catalyzed by Ru Nanoparticles Loaded on Boron-doped Amphiphilic Core-shell Mesoporous Molecular Sieves. <i>ChemCatChem</i> , 2019, 11, 1518-1525.	3.6	12
15	Quaternarization strategy to ultrathin lamellar graphitic C ₃ N ₄ ionic liquid nanostructure for enhanced electrochemical 2,4-Dichlorophenol sensing. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 463-471.	7.7	18
16	Synthesis of MOF-derived Co@C composites and application for efficient hydrolysis of sodium borohydride. <i>Applied Surface Science</i> , 2019, 469, 764-769.	6.6	75
17	An Electrochemical Sensor Based on an Ionic Liquid Covalently Functionalized Graphene Oxide for Simultaneous Determination of Copper (II) and Antimony (III). <i>ChemistrySelect</i> , 2018, 3, 8252-8258.	1.7	5
18	Nitrogen, phosphorus co-doped carbon cloth as self-standing electrode for lithium-iodine batteries. <i>Nano Research</i> , 2018, 12, 549-555.	8.5	73

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19	Carbon-based metal-free catalysts. <i>Nature Reviews Materials</i> , 2016, 1, .	32.0	1,119
20	High-performance non-spinel cobalt–manganese mixed oxide-based bifunctional electrocatalysts for rechargeable zinc–air batteries. <i>Nano Energy</i> , 2016, 20, 315-325.	16.3	185
21	Does the Oxidation of Nitric Oxide by oxyMyoglobin Share an Intermediate with the metMyoglobin-Catalyzed Isomerization of Peroxynitrite?. <i>Inorganic Chemistry</i> , 2013, 52, 7623-7632.	4.6	24
22	Transition metal complexes that catalyze oxygen formation from water: 1979–2010. <i>Coordination Chemistry Reviews</i> , 2012, 256, 1115-1136.	23.3	210
23	Photoinduced intramolecular charge-transfer state in thiophene- π -conjugated donor–acceptor molecules. <i>Journal of Molecular Structure</i> , 2008, 876, 102-109.	4.1	73