Xiao-long Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5074743/publications.pdf

Version: 2024-02-01

23 papers	2,473 citations	516710 16 h-index	713466 21 g-index
27 all docs	27 docs citations	27 times ranked	2469 citing authors

#	Article	IF	Citations
1	â€œSuperaerophobicâ€•Nickel Phosphide Nanoarray Catalyst for Efficient Hydrogen Evolution at Ultrahigh Current Densities. Journal of the American Chemical Society, 2019, 141, 7537-7543.	13.7	401
2	Protecting Copper Oxidation State via Intermediate Confinement for Selective CO₂ Electroreduction to C₂₊ Fuels. Journal of the American Chemical Society, 2020, 142, 6400-6408.	13.7	396
3	Doping-induced structural phase transition in cobalt diselenide enables enhanced hydrogen evolution catalysis. Nature Communications, 2018, 9, 2533.	12.8	356
4	Bimetallic nickel-molybdenum/tungsten nanoalloys for high-efficiency hydrogen oxidation catalysis in alkaline electrolytes. Nature Communications, 2020, 11, 4789.	12.8	192
5	Hierarchical Copper with Inherent Hydrophobicity Mitigates Electrode Flooding for High-Rate CO₂ Electroreduction to Multicarbon Products. Journal of the American Chemical Society, 2021, 143, 8011-8021.	13.7	174
6	Identification of Cu(100)/Cu(111) Interfaces as Superior Active Sites for CO Dimerization During CO₂ Electroreduction. Journal of the American Chemical Society, 2022, 144, 259-269.	13.7	171
7	Highâ€Curvature Transitionâ€Metal Chalcogenide Nanostructures with a Pronounced Proximity Effect Enable Fast and Selective CO₂ Electroreduction. Angewandte Chemie - International Edition, 2020, 59, 8706-8712.	13.8	145
8	Highly disordered cobalt oxide nanostructure induced by sulfur incorporation for efficient overall water splitting. Nano Energy, 2020, 71, 104652.	16.0	105
9	Ternary nickelâ€“tungstenâ€“copper alloy rivals platinum for catalyzing alkaline hydrogen oxidation. Nature Communications, 2021, 12, 2686.	12.8	98
10	Stabilizing indium sulfide for CO2 electroreduction to formate at high rate by zinc incorporation. Nature Communications, 2021, 12, 5835.	12.8	94
11	Polymorphic cobalt diselenide as extremely stable electrocatalyst in acidic media via a phase-mixing strategy. Nature Communications, 2019, 10, 5338.	12.8	65
12	Unraveling the Synergistic Effect of Heteroatomic Substitution and Vacancy Engineering in CoFe₂O₄ for Superior Electrocatalysis Performance. Nano Letters, 2022, 22, 3503-3511.	9.1	62
13	Strongly Coupled Cobalt Diselenide Monolayers for Selective Electrocatalytic Oxygen Reduction to H₂O₂ under Acidic Conditions. Angewandte Chemie - International Edition, 2021, 60, 26922-26931.	13.8	61
14	An Efficient Turingâ€Type Ag₂Seâ€CoSe₂ Multiâ€Interfacial Oxygenâ€Evolving Electrocatalyst**. Angewandte Chemie - International Edition, 2021, 60, 6553-6560.	13.8	45
15	General Synthesis of Tube-like Nanostructured Perovskite Oxides with Tunable Transition Metalâ€“Oxygen Covalency for Efficient Water Electrooxidation in Neutral Media. Journal of the American Chemical Society, 2022, 144, 13163-13173.	13.7	39
16	Highâ€Curvature Transitionâ€Metal Chalcogenide Nanostructures with a Pronounced Proximity Effect Enable Fast and Selective CO₂ Electroreduction. Angewandte Chemie, 2020, 132, 8784-8790.	2.0	37
17	Sandwichâ€Type Polyoxometalate Mediates Cobalt Diselenide for Hydrogen Evolution in Acidic Electrolyte. ChemNanoMat, 2020, 6, 1164-1168.	2.8	11
18	An Efficient Turingâ€Type Ag 2 Seâ€CoSe 2 Multiâ€Interfacial Oxygenâ€Evolving Electrocatalyst**. Angewandte Chemie, 2021, 133, 6627-6634.	2.0	7

#	Article	IF	Citations
19	Phase-Controlled 1T Transition-Metal Dichalcogenide-Based Multidimensional Hybrid Nanostructures. CCS Chemistry, 2021, 3, 58-68.	7.8	6
20	Strongly Coupled Cobalt Diselenide Monolayers Selectively Catalyze Oxygen Reduction to H2O2 in an Acidic Environment. Angewandte Chemie, 0, , .	2.0	3
21	Frontispiece: Strongly Coupled Cobalt Diselenide Monolayers for Selective Electrocatalytic Oxygen Reduction to H₂O₂ under Acidic Conditions. Angewandte Chemie - International Edition, 2021, 60, .	13.8	2
22	RÃ¼cktitelbild: An Efficient Turingâ€Type Ag₂Seâ€CoSe₂ Multiâ€Interfacial Oxygenâ€Evolving Electrocatalyst (Angew. Chem. 12/2021). Angewandte Chemie, 2021, 133, 6904-6904.	2.0	0
23	Frontispiz: Strongly Coupled Cobalt Diselenide Monolayers for Selective Electrocatalytic Oxygen Reduction to H₂O₂ under Acidic Conditions. Angewandte Chemie, 2021, 133, .	2.0	0