

# Xiao-long Zhang

## List of Publications by Year in descending order

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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	Unraveling the Synergistic Effect of Heteroatomic Substitution and Vacancy Engineering in CoFe <sub>2</sub> O <sub>4</sub> for Superior Electrocatalysis Performance. Nano Letters, 2022, 22, 3503-3511.	9.1	62
2	Identification of Cu(100)/Cu(111) Interfaces as Superior Active Sites for CO <sub>2</sub> Electroreduction. Journal of the American Chemical Society, 2022, 144, 259-269.	13.7	171
3	General Synthesis of Tube-like Nanostructured Perovskite Oxides with Tunable Transition Metal-Oxygen Covalency for Efficient Water Electrooxidation in Neutral Media. Journal of the American Chemical Society, 2022, 144, 13163-13173.	13.7	39
4	An Efficient Turing-Type Ag <sub>2</sub> Se@CoSe <sub>2</sub> Multi-Interfacial Oxygen-Evolving Electrocatalyst**. Angewandte Chemie - International Edition, 2021, 60, 6553-6560.	13.8	45
5	An Efficient Turing-Type Ag <sub>2</sub> Se@CoSe <sub>2</sub> Multi-Interfacial Oxygen-Evolving Electrocatalyst**. Angewandte Chemie, 2021, 133, 6627-6634.	2.0	7
6	Abstract: An Efficient Turing-Type Ag <sub>2</sub> Se@CoSe <sub>2</sub> Multi-Interfacial Oxygen-Evolving Electrocatalyst (Angew. Chem. 12/2021). Angewandte Chemie, 2021, 133, 6904-6904.	2.0	0
7	Hierarchical Copper with Inherent Hydrophobicity Mitigates Electrode Flooding for High-Rate CO <sub>2</sub> Electroreduction to Multicarbon Products. Journal of the American Chemical Society, 2021, 143, 8011-8021.	13.7	174
8	Ternary nickel-tungsten-copper alloy rivals platinum for catalyzing alkaline hydrogen oxidation. Nature Communications, 2021, 12, 2686.	12.8	98
9	Strongly Coupled Cobalt Diselenide Monolayers for Selective Electrocatalytic Oxygen Reduction to H <sub>2</sub> O <sub>2</sub> under Acidic Conditions. Angewandte Chemie - International Edition, 2021, 60, 26922-26931.	13.8	61
10	Phase-Controlled 1T Transition-Metal Dichalcogenide-Based Multidimensional Hybrid Nanostructures. CCS Chemistry, 2021, 3, 58-68.	7.8	6
11	Stabilizing indium sulfide for CO <sub>2</sub> electroreduction to formate at high rate by zinc incorporation. Nature Communications, 2021, 12, 5835.	12.8	94
12	Frontispiece: Strongly Coupled Cobalt Diselenide Monolayers for Selective Electrocatalytic Oxygen Reduction to H <sub>2</sub> O <sub>2</sub> under Acidic Conditions. Angewandte Chemie - International Edition, 2021, 60, .	13.8	2
13	Frontispiz: Strongly Coupled Cobalt Diselenide Monolayers for Selective Electrocatalytic Oxygen Reduction to H <sub>2</sub> O <sub>2</sub> under Acidic Conditions. Angewandte Chemie, 2021, 133, .	2.0	0
14	High-Curvature Transition-Metal Chalcogenide Nanostructures with a Pronounced Proximity Effect Enable Fast and Selective CO <sub>2</sub> Electroreduction. Angewandte Chemie - International Edition, 2020, 59, 8706-8712.	13.8	145
15	High-Curvature Transition-Metal Chalcogenide Nanostructures with a Pronounced Proximity Effect Enable Fast and Selective CO <sub>2</sub> Electroreduction. Angewandte Chemie, 2020, 132, 8784-8790.	2.0	37
16	Bimetallic nickel-molybdenum/tungsten nanoalloys for high-efficiency hydrogen oxidation catalysis in alkaline electrolytes. Nature Communications, 2020, 11, 4789.	12.8	192
17	Protecting Copper Oxidation State via Intermediate Confinement for Selective CO <sub>2</sub> Electroreduction to C <sub>2+</sub> Fuels. Journal of the American Chemical Society, 2020, 142, 6400-6408.	13.7	396
18	Sandwich-Type Polyoxometalate Mediates Cobalt Diselenide for Hydrogen Evolution in Acidic Electrolyte. ChemNanoMat, 2020, 6, 1164-1168.	2.8	11

#	ARTICLE	IF	CITATIONS
19	Highly disordered cobalt oxide nanostructure induced by sulfur incorporation for efficient overall water splitting. <i>Nano Energy</i> , 2020, 71, 104652.	16.0	105
20	“Superaerophobic” Nickel Phosphide Nanoarray Catalyst for Efficient Hydrogen Evolution at Ultrahigh Current Densities. <i>Journal of the American Chemical Society</i> , 2019, 141, 7537-7543.	13.7	401
21	Polymorphic cobalt diselenide as extremely stable electrocatalyst in acidic media via a phase-mixing strategy. <i>Nature Communications</i> , 2019, 10, 5338.	12.8	65
22	Doping-induced structural phase transition in cobalt diselenide enables enhanced hydrogen evolution catalysis. <i>Nature Communications</i> , 2018, 9, 2533.	12.8	356
23	Strongly Coupled Cobalt Diselenide Monolayers Selectively Catalyze Oxygen Reduction to H <sub>2</sub> O <sub>2</sub> in an Acidic Environment. <i>Angewandte Chemie</i> , 0, , .	2.0	3