Xiaobo Zheng

List of Publications by Year
in descending order

25 papers	2,877 citations	331538 21 h-index	642610 23 g-index
25 all docs	25 docs citations	25 times ranked	2721 citing authors

#	Article	IF	Citations
1	Design concept for electrocatalysts. Nano Research, 2022, 15, 1730-1752.	5.8	396
2	Theory-oriented screening and discovery of advanced energy transformation materials in electrocatalysis. , 2022, 1, 100013.		273
3	Engineering the Local Atomic Environments of Indium Singleâ€Atom Catalysts for Efficient Electrochemical Production of Hydrogen Peroxide. Angewandte Chemie, 2022, 134, .	1.6	27
4	Engineering the Local Atomic Environments of Indium Singleâ€Atom Catalysts for Efficient Electrochemical Production of Hydrogen Peroxide. Angewandte Chemie - International Edition, 2022, 61, .	7.2	127
5	Enriched dâ€Band Holes Enabling Fast Oxygen Evolution Kinetics on Atomicâ€Layered Defectâ€Rich Lithium Cobalt Oxide Nanosheets. Advanced Functional Materials, 2022, 32, .	7.8	24
6	Ruâ€“Co Pair Sites Catalyst Boosts the Energetics for the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2022, 61, .	7.2	154
7	Emerging low-nuclearity supported metal catalysts with atomic level precision for efficient heterogeneous catalysis. Nano Research, 2022, 15, 7806-7839.	5.8	201
8	Recent Progress in Thermal Conversion of CO₂ via Singleâ€Atom Site Catalysis. Small Structures, 2022, 3, .	6.9	44
9	Non-carbon-supported single-atom site catalysts for electrocatalysis. Energy and Environmental Science, 2021, 14, 2809-2858.	15.6	198
10	Understanding the structural and chemical evolution of layered potassium titanates for sodium ion batteries. Energy Storage Materials, 2020, 25, 502-509.	9.5	17
11	Multifunctional Activeâ€Centerâ€Transferable Platinum/Lithium Cobalt Oxide Heterostructured Electrocatalysts towards Superior Water Splitting. Angewandte Chemie, 2020, 132, 14641-14648.	1.6	17
12	Multifunctional Activeâ€Centerâ€Transferable Platinum/Lithium Cobalt Oxide Heterostructured Electrocatalysts towards Superior Water Splitting. Angewandte Chemie - International Edition, 2020, 59, 14533-14540.	7.2	152
13	Electrocatalytically inactive SnS2 promotes water adsorption/dissociation on molybdenum dichalcogenides for accelerated alkaline hydrogen evolution. Nano Energy, 2019, 64, 103918.	8.2	58
14	Direct Hybridization of Noble Metal Nanostructures on 2D Metalâ€“Organic Framework Nanosheets To Catalyze Hydrogen Evolution. Nano Letters, 2019, 19, 8447-8453.	4.5	160
15	Electronic Structure Engineering of LiCoO₂ toward Enhanced Oxygen Electrocatalysis. Advanced Energy Materials, 2019, 9, 1803482.	10.2	85
16	Electrochemical potassium/lithium-ion intercalation into TiSe2: Kinetics and mechanism. Energy Storage Materials, 2019, 16, 512-518.	9.5	84
17	New insights into understanding the exceptional electrochemical performance of P2-type manganese-based layered oxide cathode for sodium ion batteries. Energy Storage Materials, 2018, 15, 257-265.	9.5	86
18	Recent progress on silicon-based anode materials for practical lithium-ion battery applications. Energy Storage Materials, 2018, 15, 422-446.	9.5	292

#	Article	IF	Citations
19	Investigation and improvement on the electrochemical performance and storage characteristics of LiNiO2-based materials for lithium ion battery. Electrochimica Acta, 2016, 191, 832-840.	2.6	131
20	Enhanced electrochemical performance of LiNi0.8Co0.1Mn0.1O2 cathode materials obtained by atomization co-precipitation method. Ceramics International, 2016, 42, 644-649.	2.3	39
21	Enhanced electrochemical performance of LiNi0.6Co0.2Mn0.2O2 cathode materials by ultrasonic-assisted co-precipitation method. Journal of Alloys and Compounds, 2015, 644, 607-614.	2.8	35
22	Multifunctional Li2O-2B2O3 coating for enhancing high voltage electrochemical performances and thermal stability of layered structured LiNi0.5Co0.2Mn0.3O2 cathode materials for lithium ion batteries. Electrochimica Acta, 2015, 174, 1225-1233.	2.6	69
23	Effect of Mg doping on the structural and electrochemical performance of LiNi0.6Co0.2Mn0.2O2 cathode materials. Electrochimica Acta, 2015, 182, 795-802.	2.6	149
24	Structural and electrochemical properties of Mg-doped nickel based cathode materials LiNi_{0.6}Co_{0.2}Mn_{0.2â˜'x}Mg_xO₂for lithium ion batteries. RSC Advances, 2015, 5, 88773-88779.	1.7	47
25	Ruâ€Co Pair Sites Catalyst Boosts the Energetics for Oxygen Evolution Reaction. Angewandte Chemie, 0, , .	1.6	12