

Xiaobo Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

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	Recent progress on silicon-based anode materials for practical lithium-ion battery applications. Energy Storage Materials, 2018, 15, 422-446.	9.5	292
3	Theory-oriented screening and discovery of advanced energy transformation materials in electrocatalysis. , 2022, 1, 100013.		273
4	Emerging low-nuclearity supported metal catalysts with atomic level precision for efficient heterogeneous catalysis. Nano Research, 2022, 15, 7806-7839.	5.8	201
5	Non-carbon-supported single-atom site catalysts for electrocatalysis. Energy and Environmental Science, 2021, 14, 2809-2858.	15.6	198
6	Direct Hybridization of Noble Metal Nanostructures on 2D Metal-Organic Framework Nanosheets To Catalyze Hydrogen Evolution. Nano Letters, 2019, 19, 8447-8453.	4.5	160
7	Ru-Co Pair Sites Catalyst Boosts the Energetics for the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2022, 61, .	7.2	154
8	Multifunctional Active-Center-Transferable Platinum/Lithium Cobalt Oxide Heterostructured Electrocatalysts towards Superior Water Splitting. Angewandte Chemie - International Edition, 2020, 59, 14533-14540.	7.2	152
9	Effect of Mg doping on the structural and electrochemical performance of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ cathode materials. Electrochimica Acta, 2015, 182, 795-802.	2.6	149
10	Investigation and improvement on the electrochemical performance and storage characteristics of LiNiO ₂ -based materials for lithium ion battery. Electrochimica Acta, 2016, 191, 832-840.	2.6	131
11	Engineering the Local Atomic Environments of Indium Single-Atom Catalysts for Efficient Electrochemical Production of Hydrogen Peroxide. Angewandte Chemie - International Edition, 2022, 61, .	7.2	127
12	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
13	Electronic Structure Engineering of LiCoO ₂ toward Enhanced Oxygen Electrocatalysis. Advanced Energy Materials, 2019, 9, 1803482.	10.2	85
14	Electrochemical potassium/lithium-ion intercalation into TiSe ₂ : Kinetics and mechanism. Energy Storage Materials, 2019, 16, 512-518.	9.5	84
15	Multifunctional Li ₂ O-2B ₂ O ₃ coating for enhancing high voltage electrochemical performances and thermal stability of layered structured LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ cathode materials for lithium ion batteries. Electrochimica Acta, 2015, 174, 1225-1233.	2.6	69
16	Electrocatalytically inactive SnS ₂ promotes water adsorption/dissociation on molybdenum dichalcogenides for accelerated alkaline hydrogen evolution. Nano Energy, 2019, 64, 103918.	8.2	58
17	Structural and electrochemical properties of Mg-doped nickel based cathode materials LiNi _{0.6} Co _{0.2} Mn _{0.2} xMg _x O ₂ for lithium ion batteries. RSC Advances, 2015, 5, 88773-88779.	1.7	47
18	Recent Progress in Thermal Conversion of CO ₂ via Single-Atom Site Catalysis. Small Structures, 2022, 3, .	6.9	44

#	ARTICLE	IF	CITATIONS
19	Enhanced electrochemical performance of $\text{LiNi}_0.8\text{Co}_0.1\text{Mn}_0.1\text{O}_2$ cathode materials obtained by atomization co-precipitation method. <i>Ceramics International</i> , 2016, 42, 644-649.	2.3	39
20	Enhanced electrochemical performance of $\text{LiNi}_0.6\text{Co}_0.2\text{Mn}_0.2\text{O}_2$ cathode materials by ultrasonic-assisted co-precipitation method. <i>Journal of Alloys and Compounds</i> , 2015, 644, 607-614.	2.8	35
21	Engineering the Local Atomic Environments of Indium Single-Atom Catalysts for Efficient Electrochemical Production of Hydrogen Peroxide. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	27
22	Enriched d -Band Holes Enabling Fast Oxygen Evolution Kinetics on Atomic-Layered Defect-Rich Lithium Cobalt Oxide Nanosheets. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	24
23	Understanding the structural and chemical evolution of layered potassium titanates for sodium ion batteries. <i>Energy Storage Materials</i> , 2020, 25, 502-509.	9.5	17
24	Multifunctional Active-Center-Transferable Platinum/Lithium Cobalt Oxide Heterostructured Electrocatalysts towards Superior Water Splitting. <i>Angewandte Chemie</i> , 2020, 132, 14641-14648.	1.6	17
25	Ru-Co Pair Sites Catalyst Boosts the Energetics for Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 0, , .	1.6	12