

Yamin Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,377
citations

567281

15
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

1502
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly water-selective hybrid membrane by incorporating g-C ₃ N ₄ nanosheets into polymer matrix. <i>Journal of Membrane Science</i> , 2015, 490, 72-83.	8.2	194
2	Graphene oxide-modified zinc anode for rechargeable aqueous batteries. <i>Chemical Engineering Science</i> , 2019, 194, 142-147.	3.8	152
3	Unveiling the Origin of Alloy-Seeded and Nondendritic Growth of Zn for Rechargeable Aqueous Zn Batteries. <i>ACS Energy Letters</i> , 2021, 6, 404-412.	17.4	148
4	Ion-Sieving Carbon Nanoshells for Deeply Rechargeable Zn-Based Aqueous Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1802470.	19.5	139
5	Sealing ZnO nanorods for deeply rechargeable high-energy aqueous battery anodes. <i>Nano Energy</i> , 2018, 53, 666-674.	16.0	112
6	A safe and fast-charging lithium-ion battery anode using MXene supported Li ₃ VO ₄ . <i>Journal of Materials Chemistry A</i> , 2019, 7, 11250-11256.	10.3	106
7	Deeply Rechargeable and Hydrogen-Evolution-Suppressing Zinc Anode in Alkaline Aqueous Electrolyte. <i>Nano Letters</i> , 2020, 20, 4700-4707.	9.1	89
8	Nanostructured Electrode Materials for High-Energy Rechargeable Li, Na and Zn Batteries. <i>Chemistry of Materials</i> , 2017, 29, 9589-9604.	6.7	80
9	Understanding and Controlling the Nucleation and Growth of Zn Electrodeposits for Aqueous Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32930-32936.	8.0	71
10	A deeply rechargeable zinc anode with pomegranate-inspired nanostructure for high-energy aqueous batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21933-21940.	10.3	61
11	Jet fuel containing ligand-protecting energetic nanoparticles: A case study of boron in JP-10. <i>Chemical Engineering Science</i> , 2015, 129, 9-13.	3.8	58
12	Hybrid NiO/Co ₃ O ₄ nanoflowers as high-performance anode materials for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 420, 130469.	12.7	56
13	A Lasagna-Inspired Nanoscale ZnO Anode Design for High-Energy Rechargeable Aqueous Batteries. <i>ACS Applied Energy Materials</i> , 2018, 1, 6345-6351.	5.1	46
14	In-Operando Visualization of the Electrochemical Formation of Liquid Polybromide Microdroplets. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15228-15234.	13.8	27
15	An effective and accessible cell configuration for testing rechargeable zinc-based alkaline batteries. <i>Journal of Power Sources</i> , 2021, 491, 229547.	7.8	18
16	Calcination-Free Synthesis of Well-Dispersed and Sub-10-nm Spinel Ferrite Nanoparticles as High-Performance Anode Materials for Lithium-Ion Batteries: A Case Study of CoFe ₂ O ₄ . <i>Chemistry - A European Journal</i> , 2021, 27, 12900-12909.	3.3	9
17	Rational design of walnut-like ZnO/Co ₃ O ₄ porous nanospheres with substantially enhanced lithium storage performance. <i>Nanoscale</i> , 2021, 14, 166-174.	5.6	6
18	In-Operando Visualization of the Electrochemical Formation of Liquid Polybromide Microdroplets. <i>Angewandte Chemie</i> , 2019, 131, 15372-15378.	2.0	5

#	ARTICLE	IF	CITATIONS
19	Frontispiz: Inâ€¦Operando Visualization of the Electrochemical Formation of Liquid Polybromide Microdroplets. <i>Angewandte Chemie</i> , 2019, 131, .	2.0	0
20	Frontispiece: Inâ€¦Operando Visualization of the Electrochemical Formation of Liquid Polybromide Microdroplets. <i>Angewandte Chemie - International Edition</i> , 2019, 58, .	13.8	0