

Qi Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

3,260
citations

304602

22
h-index

552653

26
g-index

26
all docs

26
docs citations

26
times ranked

2131
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrinsically zincophobic protective layer for dendrite-free zinc metal anode. Chinese Chemical Letters, 2022, 33, 2653-2657.	4.8	22
2	Revealing the Two-Dimensional Surface Diffusion Mechanism for Zinc Dendrite Formation on Zinc Anode. Small, 2022, 18, e2104148.	5.2	66
3	Electrochemical interface reconstruction to eliminate surface heterogeneity for dendrite-free zinc anodes. Energy Storage Materials, 2022, 47, 319-326.	9.5	39
4	A piece of common cellulose paper but with outstanding functions for advanced aqueous zinc-ion batteries. Materials Today Energy, 2022, 28, 101076.	2.5	27
5	Issues and rational design of aqueous electrolyte for Zn-ion batteries. SusMat, 2021, 1, 432-447.	7.8	62
6	A progressive nucleation mechanism enables stable zinc stripping-plating behavior. Energy and Environmental Science, 2021, 14, 5563-5571.	15.6	141
7	Understanding the synergistic effect of alkyl polyglucoside and potassium stannate as advanced hybrid corrosion inhibitor for alkaline aluminum-air battery. Chemical Engineering Journal, 2020, 383, 123162.	6.6	88
8	Revealing the role of crystal orientation of protective layers for stable zinc anode. Nature Communications, 2020, 11, 3961.	5.8	378
9	Simultaneously Regulating the Ion Distribution and Electric Field to Achieve Dendrite-Free Zn Anode. Small, 2020, 16, e2000929.	5.2	106
10	Advanced Filter Membrane Separator for Aqueous Zinc-ion Batteries. Small, 2020, 16, e2003106.	5.2	118
11	Interfacial Design of Dendrite-Free Zinc Anodes for Aqueous Zinc-ion Batteries. Angewandte Chemie, 2020, 132, 13280-13291.	1.6	40
12	Interfacial Design of Dendrite-Free Zinc Anodes for Aqueous Zinc-ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 13180-13191.	7.2	727
13	Sn layer decorated copper mesh with superior lithiophilicity for stable lithium metal anode. Chemical Engineering Journal, 2020, 395, 124922.	6.6	61
14	Plasma-Strengthened Lithiophilicity of Copper Oxide Nanosheet-Decorated Cu Foil for Stable Lithium Metal Anode. Advanced Science, 2019, 6, 1901433.	5.6	106
15	The Three-Dimensional Dendrite-Free Zinc Anode on a Copper Mesh with a Zinc-Oriented Polyacrylamide Electrolyte Additive. Angewandte Chemie - International Edition, 2019, 58, 15841-15847.	7.2	648
16	Nitrogen Plasma-Treated Core-Shell Si@SiO ₂ @TiO ₂ : Nanoparticles with Significantly Improved Lithium Storage Performance. ACS Applied Materials & Interfaces, 2019, 11, 27658-27666.	4.0	44
17	Titelbild: The Three-Dimensional Dendrite-Free Zinc Anode on a Copper Mesh with a Zinc-Oriented Polyacrylamide Electrolyte Additive (Angew. Chem. 44/2019). Angewandte Chemie, 2019, 131, 15701-15701.	1.6	4
18	The Three-Dimensional Dendrite-Free Zinc Anode on a Copper Mesh with a Zinc-Oriented Polyacrylamide Electrolyte Additive. Angewandte Chemie, 2019, 131, 15988-15994.	1.6	116

#	ARTICLE	IF	CITATIONS
19	Plasma-treated Ti ³⁺ -doped sodium titanate nanosheet arrays on titanium foil as a lithiophilic current collector for a stable lithium metal anode. <i>Chemical Communications</i> , 2019, 55, 6551-6554.	2.2	17
20	TiO ₂ @C nanosheets with highly exposed (0 0 1) facets as a high-capacity anode for Na-ion batteries. <i>Chemical Engineering Journal</i> , 2018, 332, 57-65.	6.6	66
21	A facile annealing strategy for achieving <i>in situ</i> controllable Cu ₂ O nanoparticle decorated copper foil as a current collector for stable lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18444-18448.	5.2	70
22	Surface engineering induced core-shell Prussian blue@polyaniline nanocubes as a high-rate and long-life sodium-ion battery cathode. <i>Journal of Power Sources</i> , 2018, 395, 305-313.	4.0	89
23	Iron-Doped Cauliflower-Like Rutile TiO ₂ with Superior Sodium Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6093-6103.	4.0	125
24	Defect-rich TiO ₂ -I' nanocrystals confined in a mooncake-shaped porous carbon matrix as an advanced Na ion battery anode. <i>Journal of Power Sources</i> , 2017, 354, 179-188.	4.0	87
25	Core-Bishell Fe-Ni@Fe ₃ O ₄ @C Nanoparticles as an Advanced Anode for Rechargeable Nickel-Iron Battery. <i>Journal of the Electrochemical Society</i> , 2017, 164, A1333-A1338.	1.3	10