

Chao Wang

List of Publications by Year in descending order

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1708
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#	ARTICLE	IF	CITATIONS
1	Modulating the Chemical Microenvironment of Pt Nanoparticles within Ultrathin Nanosheets of Isorecticular MOFs for Enhanced Catalytic Activity. <i>Inorganic Chemistry</i> , 2022, 61, 2538-2545.	1.9	10
2	Surface Protection and Interface Regulation for Zn Anode via 1-Hydroxy Ethylidene-1,1-Diphosphonic Acid Electrolyte Additive toward High-Performance Aqueous Batteries. <i>Small</i> , 2022, 18, e2107398.	5.2	22
3	Scalable hierarchical lithiophilic engineering of metal foam enables stable lithium metal batteries. <i>Chemical Engineering Journal</i> , 2022, 435, 134643.	6.6	23
4	Engineering Two-Dimensional Metal-Organic Framework on Molecular Basis for Fast Li ⁺ Conduction. <i>Nano Letters</i> , 2021, 21, 5805-5812.	4.5	31
5	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.	4.0	71
6	Membrane cleaning strategy via in situ oscillation driven by piezoelectricity. <i>Journal of Membrane Science</i> , 2021, 638, 119722.	4.1	11
7	Lithiated Hybrid Polymer/Inorganic PAA/MnO ₂ Protection Layer for High-Performance Tin Oxide Alloy Anode. <i>ACS Applied Energy Materials</i> , 2021, 4, 13208-13215.	2.5	5
8	In Situ Tuning of Defects and Phase Transition in Titanium Dioxide by Lithiothermic Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5750-5758.	4.0	30
9	Fabrication of Homogeneous Non-Noble Metal Nanoparticles within Metal-Organic Framework Nanosheets for Catalytic Reduction of 4-Nitrophenol. <i>Crystal Growth and Design</i> , 2020, 20, 6217-6225.	1.4	24
10	Gallium-Carbenicillin Framework Coated Defect-Rich Hollow TiO ₂ as a Photocatalyzed Oxidative Stress Amplifier against Complex Infections. <i>Advanced Functional Materials</i> , 2020, 30, 2004861.	7.8	50
11	Three-Dimensional-Percolated Ceramic Nanoparticles along Natural-Cellulose-Derived Hierarchical Networks for High Li ⁺ Conductivity and Mechanical Strength. <i>Nano Letters</i> , 2020, 20, 7397-7404.	4.5	37
12	Oxygen-Deficient Ferric Oxide as an Electrochemical Cathode Catalyst for High-Energy Lithium-Sulfur Batteries. <i>Small</i> , 2020, 16, e2000870.	5.2	49
13	Selective removal of nitrate via the synergistic effect of oxygen vacancies and plasmon-induced hot carriers. <i>Chemical Engineering Journal</i> , 2020, 397, 125435.	6.6	20
14	Self-Assembly of Perovskite CsPbBr ₃ Quantum Dots Driven by a Photo-Induced Alkynyl Homocoupling Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17207-17213.	7.2	19
15	Fluorescence hydrogel array based on interfacial cation exchange amplification for highly sensitive microRNA detection. <i>Analytica Chimica Acta</i> , 2019, 1080, 206-214.	2.6	22
16	Li ⁺ -Containing, Continuous Silica Nanofibers for High Li ⁺ Conductivity in Composite Polymer Electrolyte. <i>Small</i> , 2019, 15, e1902729.	5.2	58
17	Boosting the cycling stability of Li-Si alloy microparticles through electroless copper deposition. <i>Chemical Engineering Journal</i> , 2019, 370, 1019-1026.	6.6	14
18	Understanding the role of conductive polymer in thermal lithiation and battery performance of Li-Sn alloy anode. <i>Energy Storage Materials</i> , 2019, 20, 7-13.	9.5	32

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19	Thermal Lithiated-TiO ₂ : A Robust and Electron-Conducting Protection Layer for Li-Si Alloy Anode. ACS Applied Materials & Interfaces, 2018, 10, 12750-12758.	4.0	45
20	High-Performance and Stable Silicon Photoanode Modified by Crystalline Ni@ Amorphous Co Core-Shell Nanoparticles. ChemCatChem, 2018, 10, 5025-5031.	1.8	14
21	Ultrasmall Au Nanoparticles Embedded in 2D Mixed-Ligand Metal-Organic Framework Nanosheets Exhibiting Highly Efficient and Size-Selective Catalysis. Advanced Functional Materials, 2018, 28, 1802021.	7.8	115
22	A Robust and Conductive Black Tin Oxide Nanostructure Makes Efficient Lithium-Ion Batteries Possible. Advanced Materials, 2017, 29, 1700136.	11.1	212
23	Assembly of LiMnPO ₄ Nanoplates into Microclusters as a High-Performance Cathode in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 27618-27624.	4.0	39