

Poster :

1. Synergetic electrochemical performance of Si-nanoparticles embedded graphitic carbon nitrides as Li-ion battery anodes

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2. A Surface Structure Tailored 3D Perovskite Inverse Opals for Efficient and Durable Oxygen Evolution Reaction

Helena Yuan Wang, Chuan Zhao*(University of New South Wales)

3. High-Aspect-Ratio Metal-Organic Frameworks/Graphene Hybrid Nanostructures as Ion-Seiving Membranes for High-Performance Lithium-Sulfur Battery Separators

Borui Liu, Antonio Tricoli*(Australian National University)

4. Electrochemical Li diffusion behavior for WS₂/CNT heterostructures as lithium ion battery anodes

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5. Facile synthesis of carbon quantum dots and their combination with Li_{1.17}Mn_{0.5}Ni_{0.17}Co_{0.17}O cathode materials for enhanced electrochemical properties

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6. Electrochemical performance of carbon-coated iron oxide nanofibers

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7. Electrochemical Nitrogen Reduction Reactions on Ruthenium Surface

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8. Co-Fe Mixed Metal Phosphide Nanocubes with Highly Interconnected-Pore Architecture as an Efficient Polysulfide Mediator for Lithium-Sulfur Batteries

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9. "Superaerophobic" Nickel Phosphide Nanoarray Catalyst for Efficient Hydrogen Evolution at Ultrahigh Current Densities

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10. Temperature-dependent Nucleation and Growth of Dendrite-free Lithium Metal Anodes

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Shuoqing Zhao, Kang Yan, Paul Munroe, Bing Sun, Guoxiu Wang**

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12. Strong charge polarization effect enabled by surface oxidized titanium nitride for lithium-sulphur batteries

Xiaochun Gao, Dong Zhou, Yi Chen, Wenjian Wu, Dawei Su, Baohua Li, Guoxiu Wang*

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13. High-performance quasi-solid-state MXene-based Li-I batteries

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