FeNi battery energy storage

Is Feni a bifunctional electrocatalyst for Rechargeable Zn-air battery?
Yang, L.; Zeng, X.F.; Wang, D.; Cao, D.P. Biomass-derived FeNi alloy and nitrogen-codoped porous carbons as highly efficient oxygen reduction and evolution bifunctional electrocatalysts for rechargeable Zn-air battery. Energy Storage Mater. 2018, 12, 277-283. [Google Scholar] [CrossRef]

Is Feni a bifunctional oxygen reduction/evolution electrocatalyst for rechargeable zabs?
Thus,a FeNi alloy uniformly embedded in 3D nitrogen-doped porous carbon materials (FeNi@NC) was constructed in the subsequent pyrolysis process and used as an efficient bifunctional oxygen reduction/evolution (ORR/OER) electrocatalystfor rechargeable ZABs.

What is feni (feni@nc) electrocatalyst?
After the subsequent pyrolysis process,a bifunctional FeNi alloy homogeneously dispersed in 3D nitrogen-doped porous carbon catalyst(FeNi@NC) was generated and used as an efficient bifunctional oxygen reduction/evolution (ORR/OER) electrocatalyst for rechargeable ZABs.

How to synthesize Feni alloy and nitrogen-codoped porous carbon Feni-NC bifunctional electro?
In summary, we have proposed a facile two-step synthesis route to successfully synthesize FeNi alloy and nitrogen-codoped porous carbon FeNi-NC bifunctional electrocatalysts by using low-cost and abundantly available peanut shells as precursor and iron and nickel salts as non-precious metal source.

Herein, we, for the first time, use low-cost and abundantly available peanut shells as precursor and iron and nickel salts as non-precious metal source to successfully synthesize ...

Biomass-derived FeNi alloy and nitrogen-codoped porous carbons as highly efficient oxygen reduction and evolution bifunctional ...

The rising consumption of fossil fuels results in increasing greenhouse gas emissions, highlighting the significance of applying ...

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To alleviate the severe energy crisis and environmental problems caused by the massive and unsustainable consumption of fossil fuels, it is urgent to develop renewable ...

Abstract Research on non-noble metal bifunctional electrocatalysts with high efficiency and long-lasting stability is crucial for many energy storage devices such as zinc-air ...

Rapidly growing energy demand and environmental awareness have spawned a research boom in energy conversion and storage technologies [1, 2]. In various energy ...

Biomass-derived FeNi alloy and nitrogen-codoped porous carbons as highly efficient oxygen reduction and evolution bifunctional electrocatalysts for rechargeable Zn-air ...

Multi-scale porous nitrogen-rich large carbon networks modified by bimetallic FeNi alloys as exceptional bifunctional catalysts for rechargeable Zn-air batteries,Journal of Energy ...

Research on non-noble metal bifunctional electrocatalysts with high efficiency and long-lasting stability is crucial for many energy storage devices such as zinc-air batteries. In ...

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