Title: FeNi battery energy storage
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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.

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]

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.

It is reasonable to believe that the flexible self-supporting FeNi@NCNF electrode can be immediately employed in flexible cells without additional additives, which fulfills ...

Here, we, for the first time, use abundantly available peanut shells as precursors and small amount of iron and nickel salts as non-precious metal sources to successfully ...

This work demonstrates that in situ growth of FeNi@NHCFs 3D integrated electrode via the electrospinning method could be a reference for designing and synthesizing ...

Here, we outline an easy method for creating a N-doped carbon supported FeNi alloy as a bifunctional catalyst. The process ...

Herein, we report a bifunctional oxygen electrocatalyst consisting of ZIF-derived carbon-anchored Fe/Ni single atoms and FeNi alloy nanoparticles; meanwhile, graphene is ...

After the subsequent pyrolysis process, a bifunctional FeNi alloy homogeneously dispersed in 3D nitrogen-doped porous carbon catalyst (FeNi@NC) was generated and used ...

In this work, we demonstrated a facile method to synthesize FeNi alloy nanoparticles and nitrogen-doped carbon composite materials (FeNi@NDC) for bifunctional ...

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 ...

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