
Therefore, this work provides a concise overview of the background and key challenges associated with NZIFBs, followed by a systematic summary of the latest research ...

The neutral Zn/Fe RFB shows excellent efficiencies and superior cycling stability over 2000 cycles.

Zinc-iron flow batteries (ZIFBs) emerge as promising candidates for large-scale energy storage owing to their abundant raw materials, low cost, and environmental benignity.

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In addition to all-vanadium flow batteries, the more mature flow batteries are mainly zinc-bromine flow batteries, sodium polysulfide bromine and zinc-nickel battery systems.

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Recently, aqueous zinc-iron redox flow batteries have received great interest due to their eco-friendliness, cost-effectiveness, non-toxicity, and abundance.

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