Title: Sulfide electrodes for flow batteries
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In this study, we report a novel copper sulfide (CuS) nanoflower-modified carbon felt (CuS-CF) electrode for polysulfide-ferrocyanide redox flow batteries (PFRFBs).

Commercializing the metal sulfide electrode materials for battery application requires overcoming challenges related to scalability, stability, cost-effectiveness, and ...

In an attempt to develop a semi-fluorinated backbone-based dense membrane for polysulfide RFB, we report a poly (vinylidene fluoride- co -hexafluoropropylene) (PVDF- co -HFP)-based ...

This review aims to provide a detailed overview of the current issues and advancements in sulfide-based AFSSBs. We first discuss the ...

This Review covers the preparation methods and properties of sulfide-based composite electrolytes, while guiding future development.

Solid-state batteries are considered a promising next generation battery technology due to their potential for increased safety and energy density. 1 Amongst the solid electrolyte ...

This review is designed to provide fundamental understanding and facilitate benign development of functionalized sulfide SSEs, and provides theoretical guidance and technical ...

This review aims to provide a detailed overview of the current issues and advancements in sulfide-based AFSSBs. We first discuss the challenges and limitations ...

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