VSe2 zinc-ion battery energy storage wit

The realizing of high-performance rechargeable aqueous zinc-ion batteries (ZIBs) with high energy density and long cycling life is promising but still challenging due to the lack of suitable ...

Herein, a simple hydrothermal process has been proposed for obtaining a vanadium diselenide cathode for an AZIB. The interaction of defects and crystal planes enhances zinc storage capacity and ...

Herein, the excellent zinc-ion storage performance in few-layered ultrathin VSe2 nanosheets is studied in this work.

In this light, a simple in-situ electrochemical oxidation strategy was used to raise the valence state of V atoms in VSe 2 to boost its Zn-storage performance.

Herein, we demonstrate that layered VSe2 with a large interlayer spacing could exhibit excellent Zn storage behavior. Even with a micro-sized morphology, it exhibits a high specific reversible capacity ...

In this work, we studied 2D layered VSe 2 with high pseudocapacitive-mediated Zn-ion storage as a cathode for aqueous zinc-ion batteries.

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