Title: Vanadium Flow Battery Graphite
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In this work, a reduced graphene oxide/Mxene hybrid-decorated graphite felt (rGO/Mxene@GF) is designed to facilitate the ...

In this work, a reduced graphene oxide/Mxene hybrid-decorated graphite felt (rGO/Mxene@GF) is designed to facilitate the kinetics of redox reaction. The electrocatalytic ...

The long-term cycling performance confirmed the durability of the vanadium redox flow battery (VRFB) with the nano GCN/GF electrode, exhibiting negligible degradation for 1000 cycles. ...

The effects of polytetrafluoroethylene (PTFE) additives on expanded graphite bipolar plates (BPs) for vanadium redox flow batteries (VRFB) are investigated. Pure ...

We report a novel electrode design based on sustainable fructose-derived porous carbon spheres (F-PCS) uniformly deposited on graphite felt (GF) through a simple ...

Fabricating electrodes with high electrocatalytic efficiency is crucial for the commercial feasibility of vanadium redox flow batteries ...

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