

Title: Irish Vanadium Flow Battery Carbon

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Though focused on carbon electrode materials for the vanadium redox flow battery, we provide experimental and quantum chemical insights applicable to many established and ...

In this study, we employed atmospheric dielectric barrier discharge (DBD) to modify the commercial carbon felt (CF) electrodes for VRFB efficiency improvement. The treatment ...

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In this study, the chemical mechanisms for carbon electrode degradation are investigated and distinct differences in the degradation mechanisms on positive and negative ...

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To further improve the catalytic activity of carbon-based catalysts for the redox reaction of vanadium ions, carbon-carbon composite electrocatalysts were developed by ...

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