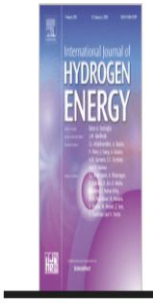
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Morphological, structural, and binder-free engineering for enhanced water electrolyzers

Seyed Amirhossein Sanei [a], Dinmukhambet Baimbetov [b], Samal Syrlybekkyzy [b], Berik Bakhytzhanovich Akhmetov [b], Ghasem Barati Darband [c], Qamar Abbas [a]

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Highlights

- Comprehensive analysis of electrode engineering strategies across various electrolyzers.
- Morphology modulation with surfactant-assisted route and thermal treatment to maximize active sites.
- Evaluation of structural and defect engineering for optimizing catalytic electronic structures.
- Assessment of binder-free fabrication methods for reduced resistance and enhanced

Article preview

Abstract

Introduction

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