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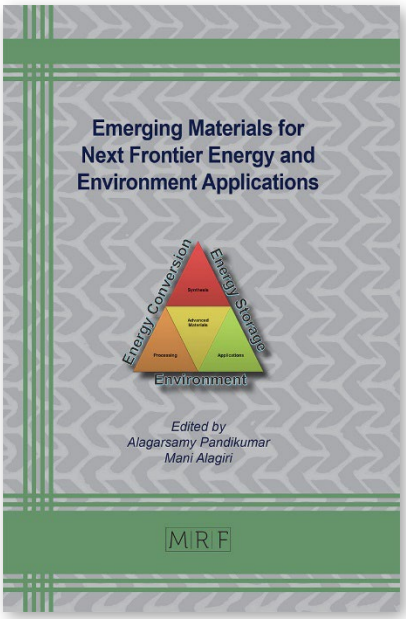
Solid State Physics and Engineering

Emerging Materials for Next Frontier Energy and Environment Applications



Eds. Alagarsamy Pandikumar, Mani Alagiri

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This book focuses on photocatalysis in environment, electrode materials, and remediation hydrogen generation and storage

Keyword: Supercapacitors for Energy Storage, Photocatalysis, Electrode Materials, Biomass Derived Carbon, MOF Electrode Material for Supercapacitors, Transition Metal Oxides, Transition Metal Chalcogenides

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Summary:

This book focuses on (1) photocatalysis in environment remediation, i.e. the removal of pollution or contaminants from water, (2) electrode materials for electrocatalytic hydrogen production and supercapacitors, and (3) hydrogen generation and storage. The electrocatalytic hydrogen evolution reaction turns out to be a very effective method for converting sustainable energy into a clean energy carrier.

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Print Book Information

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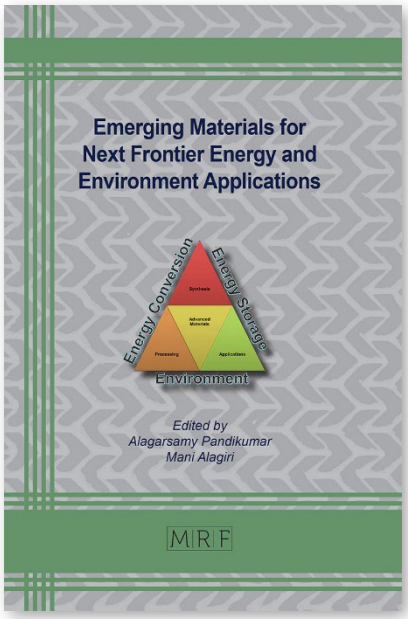

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