

Perovskite based Materials for Energy Storage Devices

Eds. Inamuddin, Maha Khan,
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Perovskite supercapacitors have a promising future in the area of energy storage; due to their superior optoelectronic characteristics, simple device construction and increased efficiency.

Keyword: Energy Storage, Solar Cells, Perovskite Supercapacitors, Organometallic Halides-Based Perovskite, Ferroelectric Materials, Recycling and Recovery of Solar Cells, Lead-Free Perovskite Solar Cells, Organic/Inorganic Based Hybrid Perovskite, Optical Absorption, Charge Transfer, Raw Materials, Optoelectronic Characteristics, Device Construction Procedure, Environmental Instability, Power Conversion Efficiency, Passivation Techniques, Capacitors, Fuel Cells, Toxicity of Lead, Cost Analysis of Recycling, AHP Methodology

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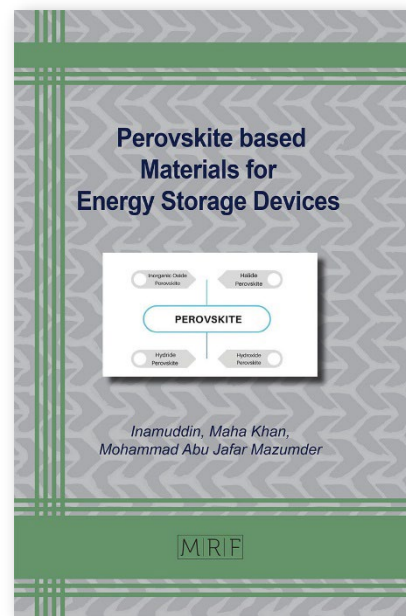
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Summary:

Perovskite supercapacitors have a promising future in the area of energy storage; due to their superior optoelectronic characteristics, simple device construction and increased efficiency. The book focuses on organic-inorganic perovskite solar cells (PSCs); organometallic halides-based perovskite solar cells (OMHP-SCs); power conversion efficiency (PCE); ferroelectric-based perovskites; recycling of perovskite-based solar cell modules; lead-free perovskite solar cells (PSCs); and inorganic tin perovskite solar cells.



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