

eBook Information

Third Generation Photovoltaic Technology

Recent Progress and Future Perspectives

Eds. Alagarsamy Pandikumar, G. Murugadoss

Monograph / PDF eBook DRM Free

This book focuses on dye-sensitized solar cells, polymer/organic solar cells, copper/zinc/tin sulfide thin film cells, quantum dot solar cells and perovskite-based solar cells.

Keyword: Fullerene-Containing Polymers, Light-Sensitive Dye, Organic Solar Cells, Perovskite Film, Quantum Dots, Thin Film Solar Cells

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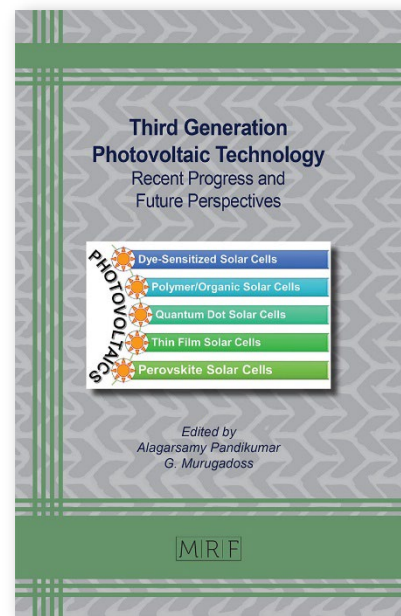
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Summary:

Third-generation solar cells (SCs) are built on inorganic nanoparticles, hybrids, or semiconducting organic macromolecules. This book focuses on dye-sensitized solar cells, polymer/organic solar cells, copper/zinc/tin sulfide thin film cells, quantum dot solar cells and perovskite-based solar cells. Specific topics covered include device architecture, interface engineering, characterization, and fabrication techniques such as spin coating, blade coating, slot-die coating, dip coating, meniscus coating, spray coating, ink-jet printing, screen printing and electro deposition.



Print Book Information

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