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Altri autori (Persone)	LinHong
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Nota di contenuto	A New Sight towards Dye-sensitized Solar Cells: Material and Theoretical; Preface; Table of Contents; Dye-Sensitized Solar Cells Built on Plastic Substrates by Low-Temperature Preparation of Semiconductor Films; Dye-Sensitized Solar Cells Based on Nitrogen-Doped Titania Electrodes; Porphyrins as Potential Sensitizers for Dye-Sensitized Solar Cells; Investigation of PEO-Imidazole Ionic Liquid Oligomer and Polymer Electrolytes for Dye-Sensitized Solar Cells; Research Progress of the Counter Electrode in Dye-Sensitized Solar Cells Efficiency of Electron Injection in Dye-Sensitized Semiconductor FilmsCharge Transport and Interfacial Charge Transfer in Dye-Sensitized Nanoporous Semiconductor Electrode Systems; Electron Transportation and Recombination in TiO2 Film for Flexible Dye-Sensitized Solar Cell; Keywords Index; Authors Index
Sommario/riassunto	Dye-sensitized solar cell (DSC) technology is emerging, against the current background of drastic consumption-rates of irreplaceable natural resources, as the Cinderella solution to many energy-related problems, Almost since its first appearance, it has been regarded as being the most promising alternative to conventional silicon solar cell technology due to the tremendous advantages of low cost and high theoretical energy-conversion efficiency. Review from Book News Inc.: Eight invited and peer-reviewed papers comprise this special-topic volume on a possible alternative to conventional silico