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## Light Harvesting Nanomaterials

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### About the ebook

Light Harvesting Nanomaterials brings together facts about the underlying principles and theory about light harvesting systems. This eBook is a valuable reference for advanced readers interested in novel technologies that utilize light energy for functional and technical benefits.

#### Contents

- ▶ Metal Nanoparticle Induced Light-Trapping for Solar Photovoltaic Applications
- ▶ Low-Cost and Durable Tetrapyrrolic Sensitizers for Sensitization of Nanocrystalline TiO<sub>2</sub>
- ▶ Polymer-Based Nanocomposite Materials for Functional Applications in Devices
- ▶ Visible-Light Photocatalytic Organic Synthesis: Localized Surface Plasmon Resonance-Driven Oxidation Processes Using Au-TiO<sub>2</sub> Nanocoupling Systems
- ▶ Microstructures and Photovoltaic Properties of C<sub>60</sub>-Based Solar Cells with Copper Oxides, CuInS<sub>2</sub>, Phthalocyanines, Porphyrin, Diamond and Exciton-Diffusion Blocking Layer

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