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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Photocatalytic Materials & Surfaces for Environmental Cleanup III; Preface; Table of Contents; Conversion of Carbon Dioxide into Several Potential Chemical Commodities Following Different Pathways - A Review; Photocatalytic Reduction of Carbon Dioxide; Investigation of Solar Photoelectrochemical Hydrogen Generation Ability of Ferrites for Energy Production; Photocatalytic Degradation of Aqueous Nitrobenzene Solution Using Nanocrystalline Mg-Mn Ferrites; Photocatalysis by Nanoparticles of Titanium Dioxide for Drinking Water Purification: A Conceptual and State-of-Art Review Photocatalytic Hydrogen ProductionEmergent Synthesis of Bismuth Subcarbonate Nanomaterials with Various Morphologies towards Photocatalytic Activities - An Overview; Influence of Mn <sup>2+</sup> Ion on the Surface of BiOCl Catalyst for Photocatalytic Degradation of Methylene Green under Visible Light Illumination; Photocatalytic Activities of CdO-Fe <sub>2</sub> O <sub>3</sub> , CdO-CuFe <sub>2</sub> O <sub>4</sub> and CdO-ZnFe <sub>2</sub> O <sub>4</sub> Nanocomposites; Preparation, Characterization and Photocatalytic Application of Carbonate Modified Titania; Preparation and Applications of Non-Metal Doped Semiconductors as Photocatalysts

Functionalized Silicate Supported TiO<sub>2</sub>-ZnO Nanocomposite Film and its Application in Simultaneous Photocatalytic Degradation of Toxic MoleculesFabrication and Photoelectrochemical Characterization of Fe, Co, Ni and Cu-Doped TiO<sub>2</sub> Thin Films; Photocatalytic Degradation of Alizarin Cyanine Green G, Reactive Red 195 and Reactive Black 5 Using UV/TiO<sub>2</sub> Process; Chemically Deposited Cd<sub>1-x</sub>Pb<sub>x</sub>Se Thin Films for Photoelectrochemical Studies; Keywords Index; Authors Index

**Sommario/riassunto**

The Special Topic Volume is a result from the contribution of forty-one experts from the international scientific community in the respective field of research. It thoroughly covers recent work done in the area of photocatalysis. In recent year a boosting interest in the exploration of renewable energy sources and environmental abatement attracted the promises of photocatalysis particularly in hydrogen production by water splitting, storage of solar energy in sustainable chemical fuels, decomposition and removal of environmental pollutants and disinfection of water. Current environmental conce

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