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Altri autori (Persone)	TayadeRahesh J
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Nota di contenuto	Photocatalytic Materials & Surfaces for Environmental Cleanup; Preface; Table of Contents; The Contribution of Nanotechnology for Removal of Water Pollutants; Application of Titanium Dioxide (TiO ₂) Based Photocatalytic Nanomaterials in Solar and Hydrogen Energy: A Short Review; The Influence of Carbon Doping on TiO ₂ Nanoparticle Size, Surface Area, Anatase to Rutile Phase Transformation and Photocatalytic Activity; Photocatalytic Cement by TiO ₂ Addition; Photocatalytic Activity of Sol-Gel Derived Bi ₂ O ₃ -TiO ₂ Nanocomposite Photocatalytic Activity of Transition Metal Ion Doped Titania for Amaranth Dye DegradationPhotocatalytic Degradation Studies of J-Acid under Visible Light and Ultrasonic Activation Using Dye Sensitised TiO ₂ ; Enhancement of Photocatalytic Activity of TiO ₂ Thin Film Using Diethanolamine and MCM-41; Novel Photocatalytic Ag/TiO ₂ Thin Film on Polyvinyl Chloride for Gaseous BTEX Treatment; Treatment Methods for the Remediation of Amines: A Review; Titanium Dioxide Catalyzed Photocatalytic Degradation of Carboxylic Acids from Waste Water: A Review Photocatalysts and Photoreactors for Treatment of Industrial EffluentsKeywords Index; Authors Index
Sommario/riassunto	This specialist volume is the sum of the contribution of thirty-four

experts, in their respective field of research, from the international scientific community. It covers, in depth, newly-developed photocatalytic materials, photocatalytic surfaces, photocatalytic reactors and their design for the purposes of environmental clean-up applications plus hydrogen generation and storage. It provides up-to-date and detailed coverage of the physics and chemistry of nanomaterials and nano-composites, and the engineering of photocatalytic materials for environmental applications. Review from Book News I
