Record Nr. UNINA9910823007203321 Eco-materials processing and design XIII: selected, peer reviewed **Titolo** papers from the 13th International Symposium on Eco-Materials Processing and Design (ISEPD-13), January 7-10, 2012, Guilin, China / / edited by Jing Sun [and five others] Pubbl/distr/stampa Durnten-Zurich, Switzerland:,: TTP,, [2012] ©2012 **ISBN** 3-03813-853-3 Descrizione fisica 1 online resource (497 p.) Collana Materials science forum, , 1662-9760 ; ; volume 724 Altri autori (Persone) SunJing Disciplina 620.11 Soggetti Environmental protection - Design Materials management - Environmental aspects Materials - Environmental aspects Environmental engineering Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and indexes. Nota di contenuto Eco-Materials Processing and Design XIII; Preface and Organizing Committee; Table of Contents; A. Environment Related Materials and Photocatalysts; Effect of Solution Treatment on Microstructure and Properties of the SAF2507 Super Duplex Stainless Steel; Materials Life Cycle Assessment of Chemical Strengthening Glass Used for Touch Screen Panel; MLCA (Material Life Cycle Assessment) for ITO Recycling; Study of Resistance Characteristics of Silicon Carbide Resistor Materials: Synthesis of Sn4+ Doped TiO2 Nanotube and its Photocatalytic Activity Removal of Isopropyl Alcohol (IPA) Using Anodized Photocatalytic Metal Membrane Reactor Treatment Performance of Low Strength Electric Wastewater Using Solid-Advanced Oxidation Processes; Photocatalytic Degradation of Humic Acid Using Ti/Anodized TiO2 Metal Plate with Fe-Doping: Fabrication of Nanosheet-Assembled Hierarchical AlOOH and -Al2O3 Microspheres and its Application in Water Purification; Low Temperature Molten-Salt Synthesis and Characterization of Nanocrystalline Mullite Whiskers from Coal Gangue

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## Sommario/riassunto

This work brings together 465 peer-reviewed papers on Advanced Materials and Engineering Technology. It will certainly promote the development of these fields, strengthen international academic cooperation and communication and engender the exchange of research ideas. It provides the reader with a broad overview of the latest advances in the field of advanced materials and engineering technology. Review from Book News Inc.: The current status and trends in creating, processes sing, and using environmentally friendly material are examined in 112 selected and peer-reviewed papers.