1. Record Nr. UNINA9910807281103321 Advanced materials and processing technologies: IFMPT 2014: **Titolo** selected, peer reviewed papers from the 2014 International Forum on Materials Processing Technology (IFMPT 2014), January 18-19, 2014, Guangzhou, China / / edited by Seung-Bok Choi and Yun-Hae Kim Pubbl/distr/stampa Zurich, Switzerland:,: TTP,, 2014 ©2014 **ISBN** 3-03826-423-7 Descrizione fisica 1 online resource (835 p.) Collana Advanced Materials Research, , 1662-8985;; Volume 900 Disciplina 670.42 Soggetti Manufacturing processes Production engineering Materials Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references at the end of each chapters and Nota di bibliografia indexes. Nota di contenuto Advanced Materials and Processing Technologies: IFMPT 2014; Preface and Conference Organization; Table of Contents; Chapter 1: Polymers, Rubber and Elastomers: Characterization of Thermal Reversible Cross-Linking Agents for Flexible Poly(vinyl chloride); Compressive Behavior of a Polyurea Elastomer; Progress in Development of Catalyst Systems for Coordinated Polymerization of Olefins; Study of Molecular Structure of Water-Soluble Phenolic Resin with Different Molecular Weight by Infrared Spectrum Synthesis of a Surfactant Hexadecyl Methyl Dihydroxyethyl Ammonium Bromide by a Non-Solvent Synthesis MethodStudy on Solvent Resistance of Ternary Plastic Alloys of PEEK/PEI/PES; Chapter 2: Metals and Alloys; A Novel Iron Oxidation Process in Zinc Leaching Solution by Ozone; Corrosion Behaviors of Mg-7Gd-5Y-1Nd-0.5Zr Alloys in CO2 Atmosphere under Different Relative Humidity; Effect of Rotating Magnetic Field on Fluid Convection and Microstructure during Directional Solidification of Sn-Zn Alloy; Experiments on Effect of Red Mud-Based Slag on Distribution of Sulfur in Liquid Iron

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