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Collana	Advanced Materials Research, , 1022-6680 ; ; Volume 454
Altri autori (Persone)	DaiShujuan
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Powder Technology & Application IV; Preface and Organization of the Forum; Table of Contents; Chapter 1: Mineral Materials; Advances in Research on Adsorption Characteristics of Alkylammonium in Montmorillonite Inter-Layer Space; Catalytic Oxidation of Toluene over CuyMnzOx/-Al2O3 Catalysts; Chemical Activation of Cementing Properties of Granulated Blast Furnace Slags; Cold Isostatic Pressing-Normal Pressure Sintering Behavior of Amorphous Nano-Sized Silicon Nitride Powders; Effect of Roasting Temperature on High Temperature Sintering Process of Different Mass Ratio of CaCO3/ SiO2 Effects of Surface Treatment on Photocatalytic Activity of TiO2 Coatings Using Microarc-Oxidation Experimental Study on Using Fuxin Natural Zeolite to Prepare Molecular Sieves; Influence of DCCF on the Properties of Asphalt by DSC; Influence of Organic Additives on Shape and Adsorbing Properties of Nano-Fe3O4 Particles; Micron/Nano Powder Compositing Studies in Tsinghua University; Preparation and Characterization of Honghua Powders by Ultrafine Pulverization; Preparation of Poly(Phenylene Sulfide)/Carbon Nanotubes Composites

Preparation of Single-Walled Carbon Nanotubes from Starch by Arc Discharge  
Preparing CNT/UHMWPE Composite and its Electrical Property Study; Research in Toughening Wear-Resistant of Alumina Ceramic; Research on Cementing Performances of Environment-Friendly Backfilling Cementation Material Based on Blast Furnace Slag; Study on CO<sub>2</sub> Adsorption of Sepiolite Modified by Mixture of Ethanolamine and N, N-Dimethyl Ethanolamine; Study on Technological Mineralogy of Slag Film of Medium Carbon Steel; Study on the Flame Retardant Property of Magnesium Hydroxide Whiskers/PE Composites  
Study on the Transformation of  $\beta$  Phase to  $\alpha$  Phase in Deformed Ti-6Al-4V Alloy during the Heat Treatment  
Synthesis and Characterization of Mg-Al Layered Double Hydroxide; Synthesis and Electrochemical Performance of LiV<sub>3</sub>O<sub>8</sub>/MWCNTs Cathode Material for Lithium-Ion Batteries; Synthesis of Fine Co/ WC Composite and Application to Supersonic Plasma Spraying; Synthesis of Si-O-C Nanoballs by CVD of Polydimethylsiloxane; The Effect of Gallium on the Microstructure of Superalloy K444; The Effect of Surface Modifier on the Mechanical Properties of the Oxysulfate Whiskers/PP Composites  
The Effects of Graphite on Ceramic Coatings on LY12 Aluminium Alloys by Micro-Arc Oxidation  
The Research on Lining Board Preparation of Mesoporous Zeolites; Theoretical Analysis of the FTIR Absorption Characteristic of Nano-Powder; Wear Performance of the Plasma Sprayed Fine WC-Co Composite Powders Coatings; Chapter 2: Mineral Processing; A Mathematical Model for Predicting the Internal Parameters of Ball Mill; An Iron Ore Beneficiation Test of a Region in Anshan  
Catalytic Oxidation Pretreatment of Sulfide-Rich Arsenic-Bearing Refractory Gold Concentrate by Hydrogen Peroxide in Sulfuric Acid in Tongling, China

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### Sommario/riassunto

The 71 papers presented here discuss topics such as studies of the use of fuxin natural zeolite for the preparation of molecular sieves, the technological mineralogy of slag films of medium-carbon steel, a mathematical model for predicting the internal parameters of a ball mill, the flotation characteristics of brucite and serpentine, the reaction behavior of rare-earth elements during reduction and ultrafine grinding of zirconium silicate. Review from Book News Inc.: Looking in turn at mineral materials and mineral processing, the 71 papers discuss such topics as an experimental study on usin

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