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Collana	Advanced materials research, , 1022-6680 ; ; volume 92
Altri autori (Persone)	HanYuexin
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Nota di contenuto	Powder Technology and Application II; Preface; Table of Contents; A Facile Reaction for the Preparation of BN Nanospheres; A Novel Method for Preparation of Carbon Coating Iron Nanoparticles; A Novel Combined Flowsheet of Beneficiation and Acid Leaching under High Pressure for Complex Lead-Zinc Ores; Application of Au Nanoparticles-AgCl@Polypyrrole Hybrid Material to Amperometric Biosensor; Attempt to Synthesize Carbon Nanotube by a Thermal Reduction of Ether ; Cubic-Shaped Nano-MgO Powder and its Infrared Absorption Properties; Combustion Synthesis of Si3N4/MoSi2 Composite Controlling Mechanism of Soluble Phosphates during CaCO3 Whiskers SynthesisCo-Precipitation Synthesis and Optimization Process for LiCo1/3Ni1/3Mn1/3O2; Crystallization Behavior and Performance of MgO-Al2O3-SiO2 Glass-Ceramics by Sintering; Dispersion and Behavior of Silane Coupling Agent to Surface Modification of n-Cu Particles; Effect of Crystal Contolling Agents on Shapes of Nanometer Calcium Carbonate; Experimental Study on Developing White Carbon Black by Using Wollastonite; Flotation and Purification Research on Low Grade Magnesite in Kuandian of Liaoning

Floatation Separation Research on Siderite-Containing Iron ConcentrateFundamental Research in Comprehensive Utilization of Bayan Obo Ore by Direct Reduction; Large Scale Synthesis of Shuttle like CuO Nanocrystals by Microwave Irradiation; Hydrothermal Synthesis of Luminescent Wollastonite-CePO4 Nanocomposites; MgO-Al2O3-SiO2 Glass-Ceramic Prepared by Sol-Gel Method; Microwave-Assisted Controlled Synthesis of CaCO3 with Various Biomimetic Morphologies Using Basic Additives in Polyol; Physicochemical Characterization of Qianghuo Particles by Ultrafine Pulverization
Preparation and Electrochemical Properties of LiFePO4/PPy Composite Cathode Materials for Lithium-Ion BatteriesPreparation and Particle Size Characterization of Cu Nanoparticles Prepared by Anodic Arc Plasma; Preparation of Carbon Materials with Different Morphologies; Preparation of Liposome Particle of Atractylone by Supercritical Carbon Dioxide Process; Preparation of Silica Abrasives from Water Glass and Application in Silicon Wafer Polishing; Preparation of Y2O3 Nano-Phased Powders by Polyacrylamide Gel Method ; Preparation of Zinc-Flake by High Energy Milling
Relationship of Particle Content and Size of Spherical Silica with the Flowability of Epoxy Molding Compounds for Large-Scale Integrated Circuits PackagingResearch of Improving Water Injection Effect by Using Active SiO2 Nano-Powder in the Low-Permeability Oilfield; Research on Fuxin Plant Coal Ash as a Fluoride-Containing Wastewater and Mechanism of Fluoride Removal; Study on Size Distribution of the Copper and Nickel Ore; Study on the Surface Modification of Nanometer Calcium Carbonate; Study on the Synthesis of High Quality Nanometer Calcium Carbonate Using Ultrasonic Technology
Study of Mechanical Properties of Magnesium Oxysulfate Whisker/ABS Composites

Sommario/riassunto

The theme of this special collection of peer-reviewed papers is the preparation and application of High-Performance Mineral-based Powders (HQMP). Here, HQMP refers to powder prepared from natural minerals with high specifications. It is predicted that the area of application of HQMP will become increasingly extensive. The future development of HQMP lies in the further exploitation and improvement of the manufacturing and production technologies of HQMP-orientated towards markets, and this collection will provide a handy roadmap for these likely developments.