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Collana	Diffusion and defect data - solid state data. Pt. B, Solid state phenomena, , 1012-0394 ; ; volume 135
Altri autori (Persone)	RheeChang Kyu
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Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Nanocomposites and Nanoporous Materials VIII; Committees; Preface; Table of Contents; Catalytic Combustion of Effluents from Methane-Based MCFC Device over Cordierite Supported Pd/La-Al2O3 Catalyst ; Low-Temperature Fabrication of Polycrystalline Yttrium Aluminum Garnet Powder via a Mechanochemical Solid Reaction of Nanocrystalline Yttria with Transition Alumina ; Formation of Hollow Zinc Oxide by Oxidation and Subsequent Thermal Treatment; Antifungal Effectiveness of Nanosilver Colloid against Rose Powdery Mildew in Greenhouses; Fabrication of Oriented TiO2-Based Nanotube Array Thin Films Formation of Lanthanum Hydroxide and Oxide via PrecipitationColloidal Crystal Templating of Two-Dimensional Ordered Macroporous SiCN Ceramics; Reflectometry Studies of Mesoporous Silica Thin Films; Conductive Property of Carbon-Nanotube Dispersed Nanocomposite Coatings for Steel; Preparation of Platinum-Ruthenium Nanoparticles on Graphite Nanofibers; Thermal Behaviors and Fracture Toughness of Polyurethane-Dispersed Difunctional Epoxy Resins ; Influence of Multiwalled Carbon Nanotube on Rheological Behavior of Mesophase Pitches Preparation and Characterization of AuNP/Al2O3 with Bimodal Nanoporous StructureThe Effect of Physicochemical Treatment on Pd

Dispersion of Carbon-Supported Pd Catalysts; The Effect of Si/Al Ratio on Selective Catalytic Reduction of NOx with NH3 over Pt/Al-SBA-15; Effect of Ball-Milling Method on the Formation of ODS Fe-14Cr-2Al-1Si-0.3Ta-1Y2O3 Powders; Nano-Sized Yttria Dispersed Ferritic Stainless Steels for SOFC Interconnect Applications; Methane Storage on Surface Modified Activated Carbons; Nickel Decoration on Multi-Walled Carbon Nanotubes Using Multi-Step Impregnation Method
Preparation and Characterization of Electrospun Carbon Nanofibers with Na2CO3/H3PO4 Activation Removal of Hexavalent Chromium on Chitosan-Deposited Activated Carbon; Oxidation of Sulfur Components in Diesel Fuel with Tert-Butyl Hydroperoxide Using Chromium Containing Catalysts ; Development and Application of Irradiation Technology in HANARO; Synthesis of Cu(In0.75Al0.25)Se2 Thin Films from Binary Selenides Powder Compacted Targets by Sputtering and Selenization ; A Passive Film Formed on Alloy 600 in High Temperature Aqueous Solution
Formation of Nano M2X Particles by a Tempering in High Cr Ferritic/Martensitic SteelEffect of Vanadium on Development of Acicular Ferrite Microstructure in Low Carbon Steel; Nucleation of Intragranular Ferrite on B1-Type Non-Metallic Inclusions ; Microstructure and Nano-Indentation Properties of Ion-Irradiated Fe-9wt%Cr Alloy; Synthesis and Characterization of NiFe2O4 Nanoparticles Synthesized by Levitational Gas Condensation (LGC) ; Corrosion Behavior of Ceramic Dispersion Strengthened High-Cr Stainless Steel; Brazing of Ti Using a Zr-Based Amorphous Filler
The Effect of Ag Diffusion Barrier on the Microstructure of a Titanium Dissimilar Joining

Sommario/riassunto

The recent utilization of nano-sized powders and porous materials has led to the expectation that it will lead to basic breakthrough solutions for prospective nanomaterial products offering high performance and multi-functionalism. For this reason, many industrial countries have financially supported nanostructured materials development and their use in technical innovation. This collection comprises 35 peer-reviewed papers. The strong international participation and the high quality of the presentations is a sure indication of the interest shown in the fields of nanocomposites, nano-catalysts