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Titolo	Nanocomposites and nanoporus materials VIII (ISNNM8) : selected, peer reviewed papers from the 8th International Symposium on Nanocomposites and Nanoporous Materials (ISNNM8), February 22-24, 2007, Jeju, Korea // edited by Chang Kyu Rhee
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Descrizione fisica	1 online resource (168 p.)
Collana	Diffusion and defect data - solid state data. Pt. B, Solid state phenomena, , 1012-0394 ; ; volume 135
Altri autori (Persone)	RheeChang Kyu
Disciplina	620.5
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
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-Al <sub>2</sub> O <sub>3</sub> 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 TiO <sub>2</sub> -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/Al <sub>2</sub> O <sub>3</sub> 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 NO<sub>x</sub> with NH<sub>3</sub> over Pt/Al-SBA-15; Effect of Ball-Milling Method on the Formation of ODS Fe-14Cr-2Al-1Si-0.3Ta-1Y<sub>2</sub>O<sub>3</sub> Powders; Nano-Sized Ytria 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 Na<sub>2</sub>CO<sub>3</sub>/H<sub>3</sub>PO<sub>4</sub> 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(In<sub>0.75</sub>Al<sub>0.25</sub>)Se<sub>2</sub> 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 M<sub>2</sub>X Particles by a Tempering in High Cr Ferritic/Martensitic Steel Effect 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 NiFe<sub>2</sub>O<sub>4</sub> 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

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#### 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

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