

1. Record Nr.	UNINA9910808856203321
Titolo	Nanocomposites and nanoporous materials : ISNAM7 : proceedings of the 7th International Symposium on Nanocomposites and Nanoporous Materials (ISNAM7) February 15-17, 2006, Gyeongju, Korea // edited by Chang Kyu Rhee
Pubbl/distr/stampa	Uetikon-Zuerich : , : Trans Tech Publications Ltd., , [2007] ©2007
ISBN	3-03813-136-9
Descrizione fisica	1 online resource (344 p.)
Collana	Diffusion and defect data. Pt. B, Solid state phenomena, , 1012-0394 ; ; volume 119
Disciplina	620.5
Soggetti	Nanostructured materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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 VII; Committees; Preface; Table of Contents; Decomposition and Crystallization Induced by High-Energy Ball-Milling; A Gas Control by Metal Nanoclusters-Supported Porous Carbon Nanofibers; Effect of Particle Size on the Oxidation Behavior of Nanophase Tin Synthesized by Inert Gas Condensation; Intimate Heterojunction Structure between Titania and Polythiocyanogen and Its Photovoltaic Effect; Fabrication of Nanoparticles Supported on Metal Oxides by PS-PVP Block Copolymer Encapsulation Method Synthesis of CdS Nanocrystallites in Polymer Matrix: Sui-Generis Approach Nanostructured Thin films of Anthracene by Liquid-Liquid Interface Recrystallization Technique; Spark Plasma Sintering of Nanoscale (Ni+Al) Powder Mixture; Comparison of Optical Properties of Pyrazoline Derivative Nanoparticles; Characterization of Nano Scaled Mullite Powders Prepared by Organic-Inorganic Solution Technique; Preparation and Characterization of Anti-Fogging Low Density Polymer Film; Ion Conducting Behaviors of Polymeric Composite Electrolytes Containing Mesoporous Silicates Preparation and Characterization of Activated Carbon Nanofiber Webs Containing Multiwalled Carbon Nanotubes by

Electrospinning Microstructure and Thermal Stability of Carbon Nanotubes Dispersed Alumina Nanocomposites Prepared by Spark Plasma Sintering; Properties of Dispersion Strengthened Cu-TiB₂ Nanocomposites Prepared by Spark Plasma Sintering; Preparation of TiO₂ Nanorod Arrays by Electrophoretic Deposition of Titania Nanoparticles ; Synthesis and Characterization of Co Nanoparticles by Solventless Thermal Decomposition
The Fabrication of Iron Sulfide Powders for Enhancing the Machinability and the Comparison of Machining Behavior at the Sintered Steel Synthesis of SiO_x Nanowires through the Thermal Heating of Au-Coated Si Substrates; Comparison Studies on Nitrile-Butadiene Rubber Nanocomposites Depending on the Organically Modified Montmorillonites ; Effects of Certain Variables on the Materials Properties of Nickel Electrodeposits: Current Density and Duty Cycle; Creep Rupture Properties of Type 316LN Stainless Steel Welded by the SAW Process; Radiation Effect on Poly(-Caprolactone) Nanofibrous Scaffold
Surface Slip Markings Of Fatigue-Tested Materials Hardened By Precipitates: Dislocation Dynamics Approach Adsorption of Carboxymethylated Polyethyleneimine (CM-PEI) on a Microporous Activated Carbon; Synthesis and Dilatometric Study of Ca(Sr, La)TiO₃ Prepared by Solution Combustion Synthesis (SCS); Phase Analysis of the Precipitates in an Alloy 600/182 Weld; Role of Organic Modifiers of Master Batches and Layered-Silicates in Styrene-Butadiene Rubber Nanocomposites; Ion Conductivity of Polymer Electrolytes Based on PEO Containing Li Salt and Additive Salt
Influence of Atmospheric-Pressure Plasma Treatment on Surface of Polyimide Film

Sommario/riassunto

In recent years, the use of nanosized powders and porous materials has been expected to lead to basic breakthrough solutions in the form of prospective nanomaterial products having high-performance and multi-functional properties. For this reason, many industrialised nations have financially supported nanostructured materials development, and their use in technical innovation. Unlike previous book series covering nanocomposite materials, this new series aims to bring together researchers working in the fields of nanocomposites, nanoporous materials and environmentally-friendly materials research
