

| | |
|-------------------------|---|
| 1. Record Nr. | UNINA9911020060303321 |
| Titolo | Nanostructured materials and nanotechnology VI : a collection of papers presented at the 36th International Conference on Advanced Ceramics and Composites, January 22-27, 2012, Daytona Beach, Florida // edited by Sanjay Mathur, Suprakas Sinha Ray ; volume editors, Michael Halbig, Sanjay Mathur |
| Pubbl/distr/stampa | Hoboken, N.J., : John Wiley & Sons, c2013 |
| ISBN | 9781118217511 1118217519 9781283869539 1283869535 9781118530252 111853025X |
| Descrizione fisica | 1 online resource (176 p.) |
| Collana | Ceramic engineering and science proceedings ; ; v. 33, issue 7 |
| Altri autori (Persone) | RaySuprakas Sinha <1973-> HalbigMichael MathurSanjay |
| Disciplina | 620.5 666 |
| Soggetti | Nanostructured materials Nanotechnology |
| 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 index. |
| Nota di contenuto | Nanostructured Materials and Nanotechnology VI; Contents; Preface; Introduction; Nanostructured Coatings by Cluster Beam Deposition: Method and Applications; In-Situ Growth of Carbon Nanotubes in Three Dimensional Needle-Punched Carbon Fabrics and Hybrid Enhancement to C/SiC Composites; Boron Nitride Nanotubes Grown on Commercial Silicon Carbide Fiber Tow and Fabric; A New Greener Synthetic Route to Cadmium/Lead Selenide and Telluride Nanoparticles; Nanowire Based Solar Cell on Multilayer Transparent Conducting Films; Antimicrobial Properties of Copper and Silver Loaded Silica Nanomaterials Hot Wire and Spark Pyrolysis as Simple New Routes to Silicon Nanoparticle SynthesisPlasma-Assisted Chemical Vapor Deposition of |

Fe:TiO₂ Films for Photoelectrochemical Hydrogen Production; CNT Based Nanocomposite Strain Sensor for Structural Health Monitoring; Photocatalytic Degradation of Waste Liquid from Biomass Gasification in Supercritical Water with Simultaneous Hydrogen Production over CdS Sensitized Na₂Ti₂O₄(OH)₂; Recent Advances in Membrane Development for CO₂ Free Fossil Power Plants
Electrospinning of Nanocomposite Scaffolds for Bone Tissue Engineering: Emitting Electrode Polarity and Charge Retention
Graphitic Carbon Nitride Modified by Silicon for Improved Visible-Light-Driven Photocatalytic Hydrogen Production; Fabrication of CdS/ZnO Core-Shell Nanofibers By Electrospinning and Their Photocatalytic Activity; Author Index

Sommario/riassunto

This issue features fourteen peer-reviewed papers originating from The 6th International Symposium on Nanostructured Materials and Nanotechnology. It includes Nanostructured coatings by cluster beam deposition; a new greener synthetic route to cadmium/lead selenide and telluride nanoparticles; and much more. Held in January 2012, during the 36th International Conference on Advanced Ceramics and Composites (ICACC), the symposium covered a broad range of issues, including synthesis, processing, modeling, and structure-property correlations in nanomaterials and nanocomposites, enabling scienti
