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Altri autori (Persone)	RaySuprakas Sinha <1973-> HalbigMichael MathurSanjay
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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 Synthesis Plasma-Assisted Chemical Vapor Deposition of Fe:TiO ₂ 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 RetentionGraphitic 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
