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Autore	Wu, Xinyuan
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Acetate, or Hydrothermal) Conversion of Biological (Diatom) TemplatesPolymer Fiber Assisted Processing of Ceramic Oxide Nano and Submicron Fibers; Phase Development in the Catalytic System V205/Ti02 under Oxidizing Conditions; Synthesis and Characterization of Cubic Silicon Carbide (-Sic) and Trigonal Silicon Nitride (-Si3N4) Nanowires; High Energy Milling Behavior of Alpha Silicon Carbide; Synthesis of Boron Nitride Nanotubes for Engineering Applications; Comparison of Electromagnetic Shielding in GFR-Nano Composites Densification Behavior of Zirconia Ceramics Sintered UsingManufacturing of Doped Glasses Using Reactive ElectrophoreticDeposition (REPD); Shaping of Bulk Glasses and Ceramics with Nanosized Particles; Author Index

Sommario/riassunto

Advances in nanotechnology offer great new promise in new multifunctional systems that experts predict to be a major economic force within the next decade. Ceramic materials enable new developments in such areas as electronics and displays, portable power systems and personnel protection. This issue will present the results of current basic and applied research and potential commercial applications.This book is comprised of papers from the Proceedings of the 30th International Conference on Advanced Ceramics and Composites, January 22-27, 2006, Cocoa Beach, Florida. Organized and spons