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Electrophoretic Deposition using Nanosized Powders; Preparation of Polycrystalline Ceramic Compacts Made of Alumina Powder with a Bimodal Particle Size Distribution for Hot Isostatic Pressing; Precision Microgear Fabrication and Sintering with Microwaves
Synthesis of ZnO Nanopowders by Controlled Double-Jet Precipitation
Synthesis of Nanostructured Mullite and Mullite-Zirconia Ceramic Composite Powders by Using a Modified and Cost Effective Sol-Gel Method; Nanostructured Materials Based on Alumina; Characterization of Epitaxial Barium Titanate Films Deposited under Hydrothermal Conditions; Details of Urea Decomposition in the Presence of Transition Metal Ions; Gel Casting of Ceramic Foams; Processing of Biomorphous Tic-Based Ceramics; Synthesis of Non-Permeable Porous Ceramics by Mixing Ceramic Hollow Micro Spheres
Ceramic Spheres Derived from Cation Exchange Beads
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Wear Characterization of Clinically used Hip Joint Prostheses by a HIP Simulator
Fabrication of Biocompatible Calcium Phosphate Ceramics Using Eggshell; Calcium Aluminate/Calcium Phosphate Composite Orthopedic Bone Cement; Fabrication of Composite for Bone Repairing from Alpha-tricalcium Phosphate and Hydroxypropylcellulose; Preparation of Bioactive Inorganic-Organic Hybrids by Hot Water Treatment; Bioactive Titania Gel-Derived from Combined Chemical and Thermal Treatments of Titanium
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Sommario/riassunto

This volume is part of the Ceramic Engineering and Science Proceeding (CESP) series. This series contains a collection of papers dealing with issues in both traditional ceramics (i.e., glass, whitewares, refractories, and porcelain enamel) and advanced ceramics. Topics covered in the area of advanced ceramic include bioceramics, nanomaterials, composites, solid oxide fuel cells, mechanical properties and structural design, advanced ceramic coatings, ceramic armor, porous ceramics, and more.
