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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
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Presence of Transition Metal Ions; Gel Casting of Ceramic Foams;
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Treatment; Bioactive Titania Gel-Derived from Combined Chemical and
Thermal Treatments of Titanium
Apatite Formation on the PMMA Bone Cement Modified with
Alkoxysilane and Calcium Salt in a Simulated Body Fluid

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.
