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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;  
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Preparation of Bioactive Inorganic-Organic Hybrids by Hot Water 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

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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.

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