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Altri autori (Persone)	MizunoMineo <1944-> WereszczakAndrew Lara-CurzioEdgar <1963->
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Nota di contenuto	Advances in Bioceramics and Biocomposites II; Contents; Preface; Introduction; In Vitro Evaluation; Initial In Vitro Interaction of Human Osteoblasts with Nanostructured Hydroxyapatite (NHA); Osteoblast Response to Zinc-Doped Sintered p-Tricalcium Phosphate; Determination of the Spatial Resolution of Micro-Focus X-Ray CT System with a Standard Specimen; Processing of Biomaterials; Hydroxyapatite Hybridized with Metal Oxides for Biomedical Applications; Preparation of Self-setting Cement-Based Micro- and

Macroporous Granules of Carbonated Apatitic Calcium Phosphate  
A Self-setting, Monetite ( $\text{CaHPO}_4$ ) Cement for Skeletal Repair  
Chemically Bonded Ceramics Based on Ca-Aluminates as Biomaterials; A  
Theoretical and Mathematical Basis Towards Dispersing Nanoparticles  
and Biological Agents in a Non Polar Solvent for Fabricating Porous  
Materials; Preparation of Hydroxyapatite and Calcium Phosphate  
Bioceramic Materials from the Aqueous Solution at Room Temperature;  
Hydroxyapatite Coatings Produced by Plasma Spraying of Organic  
Based Solution Precursor; Visible-Light Photocatalytic Fibers for  
Inactivation of *Pseudomonas Aeruginosa*  
Precipitation Mechanisms of Hydroxyapatite Powder in the Different  
Aqueous Solutions  
Conversion of Bioactive Silicate (45S5), Borate, and  
Borosilicate Glasses to Hydroxyapatite in Dilute Phosphate Solution;  
Dental Ceramics; Variable Frequency Microwave (VFM) Processing: A  
New Tool to Crystallize Lithium Disilicate Glass; Author Index

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Sommario/riassunto

The use of ceramics in biological environments and biomedical applications is of increasing importance, as is the understanding of how biology works with minerals to develop strong materials. These proceedings contain papers that discuss the interface between biology and materials, presented at the Proceedings of the 30th International Conference on Advanced Ceramics and Composites, January 22-27, 2006, Cocoa Beach, Florida. Organized and sponsored by The American Ceramic Society and The American Ceramic Society's Engineering Ceramics Division in conjunction with the Nuclear and Environmental

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