

1. Record Nr.	UNINA9910840866903321
Titolo	Advances in bioceramics and biocomposites [[electronic resource]] : a collection of papers presented at the 29th International Conference on Advanced Ceramics and Composites, January 23-28, 2005, Cocoa Beach, Florida // editor, Mineo Mizuno ; general editors, Dongming Zhu, Waltraud M. Kriven
Pubbl/distr/stampa	Westerville, Ohio, : American Ceramic Society, c2005
ISBN	1-282-31323-1 9786612313233 0-470-29126-5 0-470-29165-6
Descrizione fisica	1 online resource (166 p.)
Collana	Ceramic engineering and science proceedings, , 0196-6219 ; ; v. 26, no. 6
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Disciplina	610.28 620.14
Soggetti	Biomedical materials Ceramic materials Ceramics in medicine Composite materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and author index.
Nota di contenuto	Advances in Bioceramics and Biocomposites; Contents; Preface; Processing of Biomaterials; Preparation and Boactive Characteristics of Porous Borate Glass Substrates; Processing of Thermally Sprayed Tricalcium Phosphate (TCP) Coatings on Bioresorbable Polymer Implants; Synthesis and Sintering Studies of Nanocrystalline Hydroxyapatite Powders Doped with Magnesium and Zinc; Sequence Specific Morphological Control Over the Formation of Germanium Oxide During Peptide Mediated Synthesis; Synthesis of Nano-Size Hydroxyapatite (HAP) Powders by Mechanical Alloying Dry High Speed Milling as a New Machining Technology of Ceramics for

Biomedical and Other Applications
Biomaterials, Performance and Testing; Nanoceramics Intercalated with Gd-DTPA For Potential Imaging of Systems In Vivo; Nanophase Hydroxyapatite Coatings on Titanium for Improved Osteoblast Functions; A Comparative Evaluation of Orthopaedic Cements in Human Whole Blood; Self-setting Orthopedic Cement Compositions Based on CaHP04 Additions to Calcium Sulphate; Adhesive Strength of the Apatite Layer Formed on TiO₂
Nanoparticled
High Density Polyethylene Composites
Effect of Reinforcements on Properties of Self-setting Calcium Phosphate Cement
The Bioactivity of PDMS-CaO-SiO₂ Based Hybrid Materials Prepared by the Addition of Transition Metal Alkoxides; In Vitro Comparison of the Apatite Inducing Ability of Three Different SBF Solutions on Ti6Al4V; In Situ and Long Term Evaluation of Calcium Phosphate Cement Behavior in Animal Experiment; Resorption Rate Tunable Bioceramic: Si&Zn-Modified Tricacium Phosphate; Dental Ceramics; Microleakage of a Dental Restorative Material Based on Biominerals
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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. Specific information about biomimetics, and processing, performance and interactions of materials for biomedical applications is presented in this collection.
