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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.
