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Nota di contenuto	Bioceramics: Materials and Applications V; Contents; Preface; Bioceramic-Metal Interfaces; Interface Diffusion/Reaction in the Hydroxylapatite Coated CoCrMo Alloy; Structural and Chemical Changes to Plasma Sprayed Hydroxyapatite Coatings in Simulated Body Fluid; Hydroxylapatite-Nanophase Alpha Alumina Composite Coatings on Ti-6Al-4V; A System for In Vivo Anchoring of Implants to Hard Tissue; Dental Materials and Applications; Apatite Formation on a Biomimetic Based Dental Filling Material; Chemically Bonded Ceramics with an Additional Organic Binding System Fracture Properties of Cortical Bone and DentinThe Effect of Zirconia Addition on Glass Penetration Rate and Mechanical Properties of Ceramic-Glass Composites; Quantifying the Effect of Dental Ceramic Color Variability on Restoration Color Variations; Synthesis and Characterization of Phosphate-Based Bioceramics; Comparison Between

Primary and Clonal Osteoblast Cells for In Vitro Attachment Studies to Hydroxyapatite; Effect of Dopants on Properties of Nanocrystalline Hydroxyapatite

Low-Temperature Synthesis of Ha-Seeded TTCP (Ca<sub>4</sub>(PO<sub>4</sub>)<sub>2</sub>O) Powders and their In Vitro Apatite-Inducing Ability at 37°C and pH 7.4; Calcium Phosphate Based Ceramics via Spinodal Decomposition; Preparation of Brushite Powders and Their In Vitro Conversion to Nanoapatites; Author Index; Keyword Index

**Sommario/riassunto**

This proceedings includes papers on ceramics and glasses used in biomedical, dental and biological applications, including biomimetics and natural bioceramic materials. Topics include: materials; applications; biomimetic materials and synthesis; structure/properties of natural ceramic-based materials; behavior in biological environments; and synthesis, processing, characterization, and properties.