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Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Bioceramics Volume 26; Preface, Committees and Bioceramics Symposia; Table of Contents; I. Biostable Ceramics and Tough Ceramics; Ceramics in THR Bearings: Behavior under Off-Normal Conditions; Apatite-Forming Ability of ZrO ₂ Ceramics Enhanced by Sandblasting and Chemical Treatment and the Influence on Mechanical Properties; Electrophoretic Deposition of Zirconia Multilayered Constructs; Characteristics of Low Temperature Degradation Free ZTA for Artificial Joint; II. Glasses and Glass-Ceramics; A Comparative Investigation on a Novel Bioactive Glass Synthesized via Sol-Gel Processing Sol-Gel Synthesis and Characterization of SiO ₂ -CaO-P ₂ O ₅ -SrO Bioactive Glass: In Vitro Study Combustion Synthesis of 58S Bioglass Using Sol-Gel Self-Propagating Combustion Method; Spine-Ghost: A New Bioactive Cement for Vertebroplasty; III. Calcium Phosphates; Transparent Hydroxyapatite Obtained through Spark Plasma Sintering: Optical and Mechanical Properties; NMR Structural Characterization of Mg-Containing Nano-Apatite; Evaluation of Sr- and/or Mg-Containing Hydroxyapatite Behavior in Simulated Body Fluid; Improving the Flexural Strength Test of Brushite Cement Biphasic Calcium Phosphate: Preferential Ionic Substitutions and

Crystallographic Relationships at Grain Boundaries Fabrication of -
Tricalcium Phosphate Ceramics through Two-Step Sintering; Calcium
Phosphate-Loaded Strips, Plugs and Putties: Physico-Chemical
Properties for Osteopromotion and Ease of Surgery; Synthesis of
Peroxyapatite by Hydrothermal Processing; Synthesis of Tetracalcium
Phosphate at Reduced Temperatures; Effect on Drying Conditions on
Amorphous Calcium Phosphate; IV. Cements; Biocompatibility of Silver-
Containing Calcium-Phosphate Cements with Anti-Bacterial Properties
Preparation of -Tricalcium Phosphate Powders Surface-Modified with
Inositol Phosphate for Cement Fabrication The Effects of Nanoparticles
of Silica and Alumina on Flow Ability and Compressive Strength of
Cementitious Composites; Effect of Particle Size on Carbonate Apatite
Cement Properties Consisting of Calcite (or Vaterite) and Dicalcium
Phosphate Anhydrous; V. Composites and Hybrid Materials; Bioceramic
Production from Giant Purple Barnacle (*Megabalanus tintinnabulum*);
Colour Stability of Self-Adhesive Flowable Composites before and after
Storage in Water
Preparation of a Poly(Lactic Acid)/Montmorillonite Nanocomposite
Microstructural and Mechanical Properties of Zirconia-Silica-
Hydroxyapatite Composite for Biomedical Applications; Fabrication of
Bioactive Polylactic Acid Composite Formed by 3D Printer;
Characterization and Bioactivity of Hydroxyapatite-ZrO₂ Composites
with Commercial Inert Glass (CIG) Addition; Fibers Obtaining and
Characterization Using Poly (Lactic-co-Glycolic Acid) and Poly
(Isoprene) Containing Hydroxyapatite and TCP Calcium Phosphate by
Electrospinning Method
Dissolution Behavior of Zinc from Gel Composites Consisting of
Calcium Phosphate and Alginate

Sommario/riassunto

Collection of selected, peer reviewed papers from the the 26th
Symposium and Annual Meeting of the International Society for
Ceramics in Medicine (BIOCERAMICS 26), November 6-8, 2014,
Barcelona, Spain. The 76 papers are grouped as follows: I. Biostable
Ceramics and Tough Ceramics; II. Glasses and Glass-ceramics; III.
Calcium Phosphates; IV. Cements; V. Composites and Hybrid Materials;
VI. Nanoparticles and Nanostructured Ceramics; VII. Coatings, Surface
Engineering and Interfaces; VIII. Additive Manufacturing of Ceramics
and Composites; IX. Scaffolds; X. Ceramics for Drug Delivery; XI. Cell-
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