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Nota di contenuto	13th International Ceramics Congress - Part C; Preface; Table of Contents; Chapter 1: Materials for Tribology Applications; Novel Super-Elastic Materials for Advanced Bearing Applications; Tribological Behaviour of Ceramic Hip Replacements; Carbon Based Coatings for Hermetic Compressor Applications; Effect of Different Form of Carbon Addition on the Wear Behaviour of Copper Based Composites; Chapter 2: High and Ultra High Temperature Ceramics; Amorphization, Field Activated Sintering and Superplastic Forming of UHTCs; Nonoxide High-Melting Point Compounds as Materials for Extreme Conditions Reaction Bonded Si3N4 (RBSN)/BN Composites for Industrial ApplicationsDevelopment and Processing of SiAlON Nano-Ceramics by Spark Plasma Sintering; Two-Step Pressureless Sintering of Silicon Carbide-Based Materials; Dispersion of Carbon Nanotubes in Alumina Using a Novel Mixing Technique and Spark Plasma Sintering of the

Nanocomposites with Improved Fracture Toughness; Corrosion of Polymer-Derived Ceramics in Hydrofluoric Acid and Sodium Salts; Fracture Mechanics of Y2O3 Ceramics at High Temperatures; Development of Cordierite Ceramics from Natural Raw Materials
First Principles Calculations of Interfaces in Ultra High Temperature CeramicsInfluence of B4C, SiC and Si3N4 Additions on Microstructures and Selected Properties of Titanium Nitride Matrix Materials Obtained by HPHT Method; Chapter 3: Max Phases; Critical Review of the Oxidation of Cr2AlC; Study of the Thermal Stability and Mechanical Characteristics of MAX Phases of Ti-Al-C(N) System and their Solid Solutions; Chapter 4: Fiber Composites; Heat-Resistant Inorganic Fibers; Poly-Siloxane Impregnation and Pyrolysis of Basalt Fibers for the Cost-Effective Production of CFCCs
Multilayered Fiber-Reinforced Oxide Composites Produced by Lamination of Thermoplastic PrepregsEvaluation of Wearing Properties of Polyamide 66 Containing Glass Wool; Keywords Index; Authors Index

Sommario/riassunto

Collection of selected, peer reviewed papers from the 13 th International Ceramics Congress, part of CIMTEC 2014-13 th International Ceramics Congress and 6 th Forum on New Materials, June 8-13, 2014, Montecatini Terme, Italy. The 21 papers are grouped as follows: Chapter 1: Materials for Tribology Applications, Chapter 2: High and Ultra High Temperature Ceramics, Chapter 3: Max Phases, Chapter 4: Fiber Composites.