

1. Record Nr.	UNINA9910830846603321
Titolo	Advanced processing and manufacturing technologies for structural and multifunctional materials VII . Volume 34, Issue 8, 2013 Ceramic engineering and science proceedings : a collection of papers presented at the 37th Ceramics and Composites January 27-February 1, 2013 Daytona Beach, Florida / / edited by Tatsuki Ohji, Mrityunjay Singh
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , 2014 ©2014
ISBN	1-118-80789-8 1-118-80796-0 1-118-80801-0
Descrizione fisica	1 online resource (194 p.)
Collana	Ceramic Engineering and Science Proceedings
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Disciplina	634
Soggetti	Ceramic materials Electric insulators and insulation - Ceramic materials Insulation (Heat) Detectors - 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 at the end of each chapters and index.
Nota di contenuto	Cover; Title Page; Copyright Page; Contents; Preface; Introduction; Creation of Surface Geometric Structures by Thermal Micro-Lines Patterning Techniques; Magnetoelectric Properties of La-Modified BiFeO3 Thin Films on Strontium Ruthenate (SrRuO3) Buffered Layer; Properties of Pb(Zr,Ti)O3/CoFe2O4/Pb(Zr,Ti)O3 Layered Thin Films Prepared Via Chemical Solution Deposition; Intelligent Processes Enable New Products in the Field of Non-Oxide Ceramics; Fabricating Successful Ceramic Components using Development Carrier Systems; Optimized Shaping Process for Transparent Spinel Ceramic Combustion Synthesis (SHS) of Complex Ceramic MaterialsWear and Reactivity Studies of Melt Infiltrated Ceramic Matrix Composite; Fabrication and Properties of High Thermal Conductivity Silicon Nitride;

Porous Silicon Carbide Derived from Polymer Blend; Processing and Properties of Zirconia Toughened WC-Based Cermets; Mechanism of the Carbothermal Synthesis of MgAl₂O₄-SiC Refractory Composite Powders by Forsterite, Alumina and Carbon Black; Joining of Alumina by Polycarbosilane and Siloxane Including Phenyl Groups; Microwave Joining of Alumina using a Liquid Phase Sintered Alumina Insert Joining of Silicon Nitride Long Pipes without Insert Material by Local Heating Technique Interfacial Characterization of Diffusion-Bonded Monolithic and Fiber-Bonded Silicon Carbide Ceramics; Round Robin on Indentation Fracture Resistance of Silicon Carbide for Small Ceramic Products; Numerical Analysis of Microstructural Fracture Behavior in Nano Composites under HVEM; Commercialising University Research: Thoughts on the Challenges Based on Experience Gained in the Field of Ceramic Processing in the UK; Author Index

Sommario/riassunto

Ceramic Engineering and Science Proceedings Volume 34, Issue 8 - Advanced Processing and Manufacturing Technologies for Structural and Multifunctional Materials VIIA collection of 20 papers from The American Ceramic Society's 37th International Conference on Advanced Ceramics and Composites, held in Daytona Beach, Florida, January 27-February 1, 2013. This issue includes papers presented in the 7th International Symposium on Advanced Processing and Manufacturing Technologies for Structural and Multifunctional Materials and Systems (Symposium 8).
