

| | |
|-------------------------|---|
| 1. Record Nr. | UNINA9910809513103321 |
| Titolo | Mechanical properties and performance of engineering ceramics and composites VIII . Volume 34, Issue 2, 2013 Ceramic engineering and science proceedings : a collection of papers presented at the 37th International Conference on Advanced Ceramics and Composites January 27-February 1, 2013 Daytona Beach, Florida / / edited by Dileep Singh, Jonathan Salem |
| Pubbl/distr/stampa | Hoboken, New Jersey : , : Wiley, , 2014 ©2014 |
| ISBN | 1-118-80745-6 1-118-80751-0 1-118-80743-X |
| Descrizione fisica | 1 online resource (224 p.) |
| Collana | Ceramic Engineering and Science Proceedings |
| Altri autori (Persone) | SinghDilip SalemJonathan |
| Disciplina | 620.14 |
| 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; CHARACTERIZATION AND MODELING OF CERAMIC MATRIX COMPOSITES; Acoustic Emission and Electrical Resistivity Monitoring of SiC/SiC Composite Cyclic Behavior; Characterization of SiC/SiCN Ceramic Matrix Composites with Monazite Fiber Coating; Fiber, Porosity and Weave Effects on Properties of Ceramic Matrix Composites; Weave and Fiber Volume Effects on Durability of Ceramic Matrix Composites; Cooling Performance Tests of a CMC Nozzle with Annular Sector Cascade Rig; Study on Strength Prediction Model for Unidirectional Composites PROCESSING AND PROPERTIES OF FIBERS AND CERAMICSThe Effect of |

the Addition of Ceria Stabilized Zirconia on the Creep of Mullite; Microstructural Evolution of CVD Amorphous B-C Ceramics Heat Treated: Experimental Characterization and Atomistic Simulation; Densification of SiC with AlN-Nd₂O₃ Sintering Additives; Solid-Solution of Nitrogen-Containing Rare Earth Aluminates R₂AlO₃N (R=Nd and Sm); Microstructure and Properties of Reaction Bonded Metal Modified Ceramics; Investigation into the Effect of Common Ceramic Core Additives on the Crystallisation and Sintering of Amorphous Silica Different Fibers Exposed to Temperatures Up to 1000°C Heat Diffusivity Measurements on Ceramic Foams and Fibers with a Laser Spot and an IR Camera; Towards a Multiscale Model of Thermally-Induced Microcracking in Porous Ceramics; Investigation on Reliability of High Alumina Refractories; Evaluation of Subcritical Crack Growth in Low Temperature Co-Fired Ceramics; Multilayer Ceramic Composite Armor Design and Impact Tests; Compression Failure Analysis of Graphite Foam Core Based Sandwich Composite Constructions; Tribological Profile of Binderless Niobium Carbide Tribological Properties of Alumina/Zirconia Composites with and without h-BN Phases Author Index

Sommario/riassunto

Ceramic Engineering and Science Proceedings Volume 34, Issue 2 - Mechanical Properties and Performance of Engineering Ceramics and Composites VIII A collection of 21 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 Symposium 1 - Mechanical Behavior and Performance of Ceramics and Composites.
