Record Nr. UNINA9910841251603321 Advances in electronic ceramics II [[electronic resource]]: a collection **Titolo** of papers presented at the 33rd International Conference on Advanced Ceramics and Composites, January 18-23, 2009, Daytona Beach, Florida // edited by Shashank Priya, Anke Weidenkaff, David P. Norton; volume editors, Dileep Singh, Jonathan Salem Hoboken, NJ,: Wiley, 2010 Pubbl/distr/stampa **ISBN** 1-282-45643-1 9786612456435 0-470-58442-4 0-470-58440-8 Descrizione fisica 1 online resource (166 p.) Collana Ceramic engineering and science proceedings;; 30/9 Altri autori (Persone) PriyaShashank WeidenkaffAnke NortonD. P (David P.) SinghDilip SalemJ. A <1960-> (Jonathan A.) Disciplina 620.1404297 Soggetti Electronic ceramics Ceramic 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.

Nota di contenuto Advances in Electronic Ceramics II; Contents; Preface; Introduction;

DIELECTRIC, PIEZOELECTRIC, FERROELECTRIC AND MULTIFERROIC

MATERIALS; Piezoelectric Composite Materials and Structures;

Piezoelectricity in (K,Na)NbO3 Based Ceramics; Phase Relationship and Microwave Dielectric Properties in the Vicinity of Ba(Zn1/3Ta2/3)O3; Magnetic Properties of Metal-Ceramic Composite Core-Shell Structures Synthesized Using Coprecipitation and Hetero-Coagulation; Strong Electric Field Tuning of Magnetism in Multiferroic Heterostructures Mechanical Strain and Piezoelectric Properties of PZT Stacks Related to Semi-Bipolar Electric Cyclic FatigueIntergranular Fractal Impedance Analysis of Microstructure and Electrical Properties of Rare-Earth Doped

BaTiO3; THERMAL TO ELECTRIC CONVERSION; Ca-Doping and

Thermoelectric Properties of CaxCoO2 Epitaxial Films; Thermoelectric Generators; Chemical Thermodynamic in Thermoelectric Materials; Strength of Bismuth Telluride; MATERIALS FOR SOLID STATE LIGHTING; Sulfoselenide Phosphors and Nanophosphors for Solid-State Lighting; Author Index

Sommario/riassunto

This proceedings issue contains a collection of 11 papers presented during the 33rd International Conference on Advanced Ceramics and Composites, January, 2009. Papers in this proceedings were presented from one of the three symposia listed below: Symposium 6 - Key Materials and Technologies for Efficient Direct Thermal-to-Electrical Conversion; Symposium 11 - Symposium on Advanced Dielectrics, Piezoelectric, Ferroelectric, and Multiferroic Materials; Focused Session 2 - Materials for Solid State Lighting.