

1. Record Nr.	UNINA9910831093603321
Titolo	Advances in electronic and electrochemical ceramics [[electronic resource] ] : proceedings of the 107th Annual Meeting of the American Ceramic Society : Baltimore, Maryland, USA (2005) // editors Fatih Dogan, Prashant Kumta
Pubbl/distr/stampa	Westerville, Ohio, : American Ceramic Society, c2006
ISBN	1-280-67327-3 9786613650207 1-118-40789-X 1-118-40790-3
Descrizione fisica	1 online resource (238 p.)
Collana	Ceramic transactions ; ; v. 179
Altri autori (Persone)	DoganFatih KumtaPrashant N
Disciplina	620.1/4 620.14
Soggetti	Electronic ceramics Ceramics - Electric properties Electrochemistry
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 and author index.
Nota di contenuto	Advances in Electronic and Electrochemical Ceramics; Contents; Preface; Electronic Ceramics for Extreme Environments; Extreme Environment Potential of Diamond Derived Devices; Dielectric Powder/Polymer Composites for High Energy Density Capacitors; Barium Strontium Titanate Glass Ceramics for High Energy Density Capacitors; Improved Electronics Reliability using Thin Film Smart Materials for Mitigating Harsh Vibrational Environment; Aluminum Nitride Dielectrics for High Energy Density Capacitors; High Temperature Piezoelectric La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> Thermophysical Properties of Perovskite Type Alkaline Earth Hafnates Thermophysical Properties of Sintered SrY <sub>2</sub> O <sub>4</sub> and the Related Compounds Applicable to Thermal Barrier Coating Materials; Electrical Properties of Microwave Plasma Chemical Vapor Deposited Diamond Thin Films; Dielectric Properties of Suspensions Containing BaTiO <sub>3</sub>

Particles; Enhancement of Crystal Growth in Melt Texturing Ca-Doped Y-Ba-Cu-O Superconductors; Micro-Raman Spectroscopy of a Vickers Indent on Soft PZT; R-Curve and Stress-Strain Behavior of Hard and Soft PZT Ceramics; Fuel Cells and Related Systems  
Fabrication of SOFC Electrodes by Impregnation Methods Investigation of  $\text{Nd}_{0.6}\text{Sr}_{0.4}\text{CO}_{1-y}\text{MyO}_3$  ( $M = \text{Fe}$  and  $\text{Mn}$ ) as Cathode Materials for Intermediate Temperature Solid Oxide Fuel Cells; Anode Supported Solid Oxide Fuel Cells with Improved Cathode/Electrolyte Interface; Long-Term Effects in Ag-CuO Brazes under Dual Reducing/Oxidizing Gas Conditions; Self Healing Glass Seals for Solid Oxide Fuel Cells; Novel Sol-Gel Synthesis and Characterization of High-Surface-Area Pt-Ru Catalysts as Anodes for Direct Methanol Fuel Cells; Grain Boundary Segregation and Conductivity in Ytria-Stabilized Zirconia  
Other Electronic Ceramic Applications Electrically Conductive Mechanisms for  $\text{Al}_2\text{O}_3\text{-C-TiCN}$  Ceramics; Dielectric Properties of High-K LTCC Materials; Monolithic Integration of Nonlinear  $\text{Ba}_{1-x}\text{Sr}_x\text{TiO}_3$  Thin Films with Affordable Silicon Substrates for Frequency Agile Microwave Device Applications; Index

---

Sommario/riassunto

This proceedings contains papers presented at the Electronics in Extreme Environments, International Fuel Cells and Related Systems, and Advanced Dielectrics for Wireless Communications symposia.

---