

1. Record Nr.	UNINA9910458827303321
Titolo	Electroceramics [[electronic resource]] : production, properties and microstructures / / edited by W.E. Lee and A. Bell
Pubbl/distr/stampa	London, : Institute of Materials, 1994
ISBN	1-907625-56-9
Descrizione fisica	1 online resource (354 p.)
Collana	British ceramic proceedings, , 0268-4373 ; ; no. 52 Book ; ; 564
Altri autori (Persone)	LeeW. E BellA
Disciplina	620.1404297
Soggetti	Electronic ceramics Ceramic materials Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Symposium held in conjunction with Condensed Matter and Materials Physics Conference, 20-23 December 1993, University of Leeds.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Contents; Introductory Statement; The Influence of Crystal Chemistry on the Ferroelectric and Piezoelectric Properties of Perovskite Ceramics; Influence of Structural Defects on Properties of Zirconium Titanate Based Microwave Ceramics; Simulation of the Dielectric Function of Pb (Mg _{1/3} Nb _{2/3})O ₃ from the Superparaelectric Model; Chemical Synthesis and Processing of Bismuth Titanate (Bi ₄ Ti ₃ O ₁₂)Electroceramics in Thin-Layer Form by a Sol-Gel Method; Sol-Gel Ferroelectric PZT Thin Films for Non-Volatile Memory Applications Effect of Thermal Processing Conditions on the Structure and Properties of Sol-Gel Derived PZT Thin LayersFerroelectric Thin Films for Integrated Device Applications; Sol-Gel Derived PLZT Thin Layers Crystallised with Epitaxy on Surface-Modified Platinum Electrodes; Thin Films of PZT and Ca-Pt Prepared by a Sol-Gel Method; Aqueous and Sol-Gel Synthesis of Submicron PZT Materials and Development of Tape Casting Systems for Multilayer Actuator Fabrication; Dielectric Properties and Ageing of Fe-doped PZT Ceramics Prepared by the EDTA-Gel Method Preparation of PLZT Powder by a Citrate Gel TechniqueCitrate Gel Route Processing of ZnO Varistors; Suppression of Zinc Interstitial Ion

Migration in ZnO Due to the Presence of Sodium Ions; Dielectric Properties of A and B Site Substituted Lead Magnesium Niobate; The Effect of Hot Isostatic Pressing on the Microstructure of Hydrothermally Processed PbTiO₃ Ceramics; Hot Isostatic Pressing of Aurivillius Compounds for High-Temperature Device Applications; Investigation of High-Temperature Piezoelectric Ceramics; 0-3 Piezoceramic-Thermoplastic Polymer Composites

The Morphology of Barium Titanate Powders Produced by the Barium Carbonate-Titanium Dioxide Reaction; Aqueous Processing of Barium Titanate Powders; The Effect of ZnO Additions on the Structure and Properties of Sr₂Nb₂O₇ Ceramics; Structural and Electrical Characterisation of a New Bismuth Vanadium Oxide; Structure and Electrical Properties of Ceria Based Oxide Ion Conductors Prepared at Low Temperatures; Development and Evaluation of Oxide Cathodes for Ceramic Fuel Cell Operation at Intermediate Temperatures

Hydrothermal Synthesis of Strontium Hexaferrite: Powder Composition, Morphology and Magnetic Properties; Properties of Reaction Sintered Manganese-Zinc Ferrites; Electrically Conducting Composite Ceramics Produced by Hydrothermal Synthesis; Glass-Ceramic Coatings for Stainless Steel; The Use of Nonlinear Ferroelectric Ceramic Dielectrics in High-Voltage Pulsed Power; D.C. Pre-Breakdown Photon Emission from an Alumina Insulator in Vacuum; Monitoring the Integrity of MOS Gate Oxides; Index; Author Index

Sommario/riassunto

Proceedings of the Symposium held as part of the Condensed Matter and Materials Conference in 1993. Contents include: ferroelectric thin films for integrated device applications; effect of thermal processing conditions on the structure and properties of sol-gel derived PZT thin layers; citrate gel-route processing of ZnO varistors; development and evaluation of oxide cathodes for ceramic fuel cell operation at intermediate temperatures; monitoring the integrity of MOS gate oxides.

2. Record Nr.	UNISALENT0991001369509707536
Autore	Harris, C. J.
Titolo	The stability of input-output dynamical systems / C. J. Harris, J. M. E. Valenca
Pubbl/distr/stampa	London ; New York : Academic Press, 1983
ISBN	0123276802
Descrizione fisica	xi, 268 p. : ill. ; 24 cm
Collana	Mathematics in science and engineering. A series of monographs and textbooks, 0076-5392 ; 168
Classificazione	AMS 65K10 AMS 90C QA402
Altri autori (Persone)	Valenca, J. M. E.
Disciplina	003
Soggetti	Mathematical programming Optimization and variational techniques Stability System analysis Topological linear spaces
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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