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Titolo	Advances in electroceramic materials II [[electronic resource] /] / edited by K. M. Nair, Shashank Priya
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Descrizione fisica	1 online resource (278 p.)
Collana	Ceramic transactions ; ; v. 221
Altri autori (Persone)	NairK. M <1933-> (K. Manikantan) PriyaShashank
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Nota di contenuto	Advances in Electroceramic Materials II; Contents; Preface; DESIGN, SYNTHESIS AND PROPERTIES; Barium Titanate Stannate Functionally Graded Materials: Choosing of the Ti/Sn Concentration Gradient and the Influence of the Gradient on Electrical Properties; Barium Titanate and Cobalt Ferrite Nano-Particles Decorated SiCN/MWCNT Nanotubes: Synthesis and Microstructural Characterization; Synthesis, Structural and Electrical Properties of the Na0.5Bi0 5TiO3-K0.5Bi0.5TiO3 Ceramic System; Improvement of Electric Properties of (K,Na)NbO3 and (K,Na)(Nb,Ta)O3 Based Lead-Free Piezoelectrics Structural and Electrical Characterization of Lead-Free (1-x)(Na1/2Bi1/2)TiO3-xBaTiO3 Piezoelectric CeramicsTemperature Dependences of Piezoelectric Properties of Textured (Bi1/2K1/2)TiO3-BaTiO3 Lead-Free Piezoelectric Ceramics; Structure and Dielectric Properties of Tellurium Oxide-Based Materials; Dielectric Anisotropy of Ferroelectric Single Crystals in Microwave C-Band by Cavity Vectorial Perturbation Method; Characterization and Microstructure Evolution in

Er-Doped BaTiO3 Ceramics

Improvement of the Dielectric Properties of Tunable (Ba,Sr)TiO3-MgO Composites by Decreasing Heterogeneous DiffusionHigh Thermal Conductivity AIN Materials; Metal-Encapsulation of Ferromagnetic Nanoparticles; APPLICATIONS AND DEVICES; Optical and Electrical Single Crystals for UV/VUV Applications; Microanalyses for Piezoresistive Effect on Actual and Modeled Interfaces of Ru02-Glass Thick Film Resistors; Lead-Free Piezoelectric Materials for Sensors, Capacitors, and Actuators; Processing Issues in Pulse DC Sputtering of Vanadium Oxide Thin Films for Uncooled Infrared Detectors Semiconducting Metal Oxides as Oxygen SensorIntroduction of Embossed Diaphragm in an Integrated Optical and Electronic Sensor; Optical Line Width in Quantum Dots and Nanodevices; DuPontTM Green TapeTM 9K7 Low Temperature Co-fired Ceramic (LTCC) Low Loss Dielectric System for High Frequency Microwave Applications; Polyvinylidene Fluoride (PVDF) Piezoelectric for Intravascular Monitoring of Blood Pressure and Arterial Blood Flow Rate; Indirect Template Method of Magnetic Field Assisted Assembly; Recent Developments in Thermoelectric Metrology at NIST; Author Index

Sommario/riassunto

During the past decades, understanding of the science and technology powering electronic materials has played a major role in satisfying social needs by developing electronic devices for automotive, telecommunications, military, and medical applications. This volume contains a collection of selected papers from the international symposia on Advanced Dielectric Materials and Electronic Devices and Ferroelectrics and Multiferroics presented during the Material Science and Technology conference held in Pittsburgh in October 2009. It is a one-stop resource for academics on the most important issue

2. Record Nr. UNINA9910797957803321

Autore	Gottfried Bradley M.
Titolo	The maps of the wilderness : an atlas of the wilderness campaign, including all cavalry operations, May 2-6, 1864 / / Bradley M. Gottfried
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Descrizione fisica	1 online resource (345 p.)
Collana	Savas Beatie Military Atlas Series
Disciplina	973.70223
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction ; Map Set 1: Preparing for a New Kind of War; Map Set 2: The Armies Approach the Wilderness; Map Set 3: The Armies Come into Contact (May 5); Map Set 4: The Fight for Saunders Field (May 5); Map Set 5: Wadsworth's Division Enters the Fight (May 5); Map Set 6: Wright's Division Engages the Confederate Left (May 5); Map Set 7: The Attack is Renewed Against the Confederate Left (May 5); Map Set 8: The Orange Plank Road:Getty and Heth Battle for the Crossroads (May 5); Map Set 9: Getty is Reinforced on the Orange Plank Road (May 5) Map Set 10: Wilcox's Division and the Rest ofHancock's II Corps Enter the Fight (May 5)Map Set 11: Afternoon Cavalry Actions (May 5); Map Set 12: May 5 Fighting Ends,and the Armies Prepare for May 6; Map Set 13: Fighting Begins on the Union Right (May 6); Map Set 14: Hancock Strikes A. P. Hill's Third Corps (May 6); Map Set 15: Longstreet Reaches the Battlefield (May 6); Map Set 16: Longstreet CounterattacksNorth of the Orange Plank Road; Map Set 17: Longstreet Counterattacks South of the Orange Plank Road; Map Set 18: Cavalry Action Along the Brock Road Map Set 19: Federal Command ConfusionMap Set 20: Longstreet Assaults Hancock's Left Flank; Map Set 21: Burnside Finally Hits the Gap; Map Set 22: Final Actions on the Federal Left; Map Set 23: Gordon Attacks the Federal Right Flank(6:00 a.m. - 10:30 p.m.); Map Set 24: The Battle Ends (May 6 - May 7, 1864); Appendix: Orders of Battle; Endnotes; Bibliography; Index