

Contents

- R. Freer** 2853 Grain boundary engineering of electronic ceramics
- J. Petzelt, T. Ostapchuk, I. Gregora, M. Savinov, D. Chvostova, J. Liu and Z. Shen** 2855 Grain boundary effects on dielectric, infrared and Raman response of SrTiO₃ nanograin ceramics
- S. Kamba, H. Wang, M. Berta, F. Kadlec, J. Petzelt, D. Zhou and X. Yao** 2861 Correlation between infrared, THz and microwave dielectric properties of vanadium doped antiferroelectric BiNbO₄
- V. Bovtun, S. Veljko, S. Kamba, J. Petzelt, S. Vakhrushev, Y. Yakymenko, K. Brinkman and N. Setter** 2867 Broad-band dielectric response of PbMg_{1/3}Nb_{2/3}O₃ relaxor ferroelectrics: Single crystals, ceramics and thin films
- F. Azough, C. Leach and R. Freer** 2877 Effect of nonstoichiometry on the structure and microwave dielectric properties of Ba(Co_{1/3}Nb_{2/3})O₃ ceramics
- J.-H. Paik, S.-K. Kim, M.-J. Lee, B.-H. Choi, E.-K. Lim and S. Nahm** 2885 Ordering structure of barium magnesium niobate ceramic with A-site substitution
- V. Buscaglia, M.T. Buscaglia, M. Viviani, L. Mitoseriu, P. Nanni, V. Trefiletti, P. Piaggio, I. Gregora, T. Ostapchuk, J. Pokorný and J. Petzelt** 2889 Grain size and grain boundary-related effects on the properties of nanocrystalline barium titanate ceramics
- H.T. Langhammer, D. Mamovec, Y. Pu, H.-P. Abicht and M. Drofenik** 2899 Grain boundary reoxidation of donor-doped barium titanate ceramics
- H. Erkalpa, B. Yuksel and T.O. Ozkan** 2909 The effect of TiCl₃ on the microstructure of donor-doped boron-added Ti-excess BaTiO₃
- L. Mitoseriu, L. Stoleriu, M. Viviani, D. Piazza, M.T. Buscaglia, R. Calderone, V. Buscaglia, A. Stancu, P. Nanni and C. Galassi** 2915 Influence of stoichiometry on the dielectric and ferroelectric properties of the tunable (Ba,Sr)TiO₃ ceramics investigated by First Order Reversal Curves method
- F. Cordero, A. Franco, V.R. Calderone, P. Nanni and V. Buscaglia** 2923 Anelastic spectroscopy for studying O vacancies in perovskites
- T. Jardiel, A.C. Caballero, M. Villegas, M. Valant, B. Jancar and D. Suvorov** 2931 Equilibrium phases in the Bi₂O₃–TiO₂–WO₃ system
- A. Purice, G. Dinescu, N. Scarisoreanu, P. Verardi, F. Craciun, C. Galassi and M. Dinescu** 2937 Ferroelectric thin films obtained by pulsed laser deposition
- R.M. Piticescu, P. Vilarnho, L.M. Popescu and R.R. Piticescu** 2945 Perovskite nanostructures obtained by a hydrothermal electrochemical process
- C. Galassi** 2951 Processing of porous ceramics: Piezoelectric materials
- D. Piazza, L. Stoleriu, L. Mitoseriu, A. Stancu and C. Galassi** 2959 Characterisation of porous PZT ceramics by first-order reversal curves (FORC) diagrams

M. Dambekalne, M. Antonova, M. Livinsh, B. Garbarz-Glos, W. Smiga and A. Sternberg	2963	PLZT—Synthesis, sintering and ceramics microstructure
M. Faryna, K. Sztwiertnia and K. Sikorski	2967	Simultaneous WDXS and EBSD investigations of dense PLZT ceramics
K. Sztwiertnia, M. Faryna and G. Sawina	2973	Misorientation characteristics of interphase boundaries in particulate Al ₂ O ₃ -based composites
R.R. Piticescu, R.M. Piticescu and C.J. Monty	2979	Synthesis of Al-doped ZnO nanomaterials with controlled luminescence
M.A. de la Rubia López, M. Peiteado, J.F. Fernández, A.C. Caballero, J. Holc, S. Drnovsek, D. Kuscer, S. Macek and M. Kosec	2985	Thick film ZnO based varistors prepared by screen printing
E. Gomes, F.M. Figueiredo and F.M.B. Marques	2991	Mixed conduction induced by grain boundary engineering
J. Cihlar, D. Delfavero, J. Cihlar Jr., A. Buchal and J. Van Herle	2999	Synthesis, structure and oxygen thermally programmed desorption spectra of La _{1-x} Ca _x Al _y Fe _{1-y} O _{3-δ} perovskites
S. Tanasescu, C. Marinescu, F. Maxim, O. Raita, M.-N. Grecu and L. Giurgiu	3005	Thermodynamic properties and spin dynamics of some micro and nanostructured magnetoresistive lanthanum manganites
V. Fruth, A. Ianculescu, D. Berger, S. Preda, G. Voicu, E. Tenea and M. Popa	3011	Synthesis, structure and properties of doped Bi ₂ O ₃
J.F. Fernández, A.C. Caballero, M. Villegas, S.J. Khatib, M.A. Bañares, J.L.G. Fierro, J.L. Costa-Kramer, E. Lopez-Ponce, M.S. Martín-González, F. Briones, A. Quesada, M. García and A. Hernando	3017	Structure and magnetism in the Zn–Mn–O system: A candidate for room temperature ferromagnetic semiconductor
M.T. Buscaglia, L. Mitoseriu, V. Buscaglia, I. Pallecchi, M. Viviani, P. Nanni and A.S. Siri	3027	Preparation and characterisation of the magneto-electric xBiFeO ₃ –(1 – x)BaTiO ₃ ceramics
A. Testino, L. Mitoseriu, V. Buscaglia, M.T. Buscaglia, I. Pallecchi, A.S. Albuquerque, V. Calzona, D. Marré, A.S. Siri and P. Nanni	3031	Preparation of multiferroic composites of BaTiO ₃ –Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ ceramics
P. Marchet, E. Boucher, V. Dorcet and J.P. Mercurio	3037	Dielectric properties of some low-lead or lead-free perovskite-derived materials: Na _{0.5} Bi _{0.5} TiO ₃ –PbZrO ₃ , Na _{0.5} Bi _{0.5} TiO ₃ –BiScO ₃ and Na _{0.5} Bi _{0.5} TiO ₃ –BiFeO ₃ ceramics
	I	Keyword List
	III	Notes for Authors