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Altri autori (Persone)	AkedoJun OhsatoHitoshi ShimadaTakeshi SinghM (Mrityunjay)
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Nota di contenuto	Advances in Multifunctional Materials and Systems; Contents; Preface; Introduction; ELECTROCERAMICS; Nanostructured Ceramics of Perovskite Morphotropic Phase Boundary Materials; Transformation of Current Limiting Effect into Varistor Effect in Tin Dioxide Based Ceramics; Fabrication of MoSi2-Si-Composite Thin Films for Oxidation-Resistant Thin-Film Heaters; Influence of Interface on Tunability in Barium Strontium Titanate; Recent Progress in Multilayer Ceramic Devices Effect of Mn2O3 Addition on the Microstructure and Electrical

Properties of Lead-Free Ba(Sn0.02Ti0.98)O3-(Na0.5K0.5)NbO3 CeramicsElectronic Properties of BaTiO3 Containing Glass Ceramics; Development of (100) Three-Axis-Oriented Single Crystal (Ba0.7Sr0.3) TiO3 Thin Film Fabrication on Pt/MgO(100) Substrate by Chemical Solution Deposition Method; Influence of Ca Concentration in (Ba,Ca) TiO3 Based Ceramics on the Reliability of MLCCs with Ni Electrodes; Crystal Structure Dependence of Electrical Properties of Li0.02(K1-x Nax)0.98NbO3 Ceramics; Oxynitrides as New Functional Ceramic Materials
MICROWAVE MATERIALSTerahertz Wave Harmonization in Geometrically Patterned Dielectric Ceramics through Spatially Structural Joining; Terahertz Wave Properties of Alumina Photonic Crystals; High Symmetry Brings High Q Instead of Ordering in Ba(Zn1/3Nb2/3)O3: A HRTEM Study; Flexible Design of Composite Electromagnetic Wave Absorber Made of Aluminum and Sendust Particles Dispersed in Polystyrene Resin; New Perovskite Oxides of the Type (M1/4Ln3/4) (Mg1/4Ti3/4)O3 (M = Na, Li; Ln = La, Nd, Sm): Crystal Structure and Microwave Dielectric Properties
Understanding and Improving Insertion Loss and Intermodulation in Microwave Ferrite DevicesAuthor Index

Sommario/riassunto

The symposia Advances in Electroceramics and Microwave Materials and Their Applications were held during the 8th Pacific Rim Conference on Ceramic and Glass Technology (PACRIM 8) from May 31-June 5, 2009 in Vancouver, Canada. This issue contains 17 peer-reviewed papers (invited and contributed) from these two symposia. The book is logically organized and carefully selected articles give insight into multifunctional materials and systems and incorporates the latest developments related to multifunctional materials and systems including electroceramics and microwave materials.

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Autore	Smits Robert-Jan
Titolo	Plan S for Shock : : Science. Shock. Solution. Speed. / / Robert-Jan Smits, Rachael Pells
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Sommario/riassunto	Plan S for shock: the open access initiative that changed the face of global research. This is the story of open access publishing - why it matters now, and for the future. In a world where information has never been so accessible, and answers are available at the touch of a fingertip, we are hungrier for the facts than ever before - something the Covid-19 crisis has brought to light. And yet, paywalls put in place by multi-billion dollar publishing houses are still preventing millions from accessing quality, scientific knowledge - and public trust in science is under threat. On 4 September 2018, a bold new initiative known as 'Plan S' was unveiled, kickstarting a world-wide shift in attitudes towards open access research. For the first time, funding agencies across continents joined forces to impose new rules on the publication of research, with the aim of one day making all research free and available to all. What followed was a debate of global proportions, as stakeholders asked: Who has the right to access publicly-funded research? Will it ever be possible to enforce change on a multi-billion dollar market dominated by five major players? Here, the scheme's founder, Robert-Jan Smits, makes a compelling case for Open Access, and reveals for the first time how he set about turning his controversial plan into reality - as well as some of the challenges faced

along the way. In telling his story, Smits argues that the Covid-19 crisis has exposed the traditional academic publishing system as unsustainable.