2022

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Structural Evolution in BiNbO4.

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Tunable phase transitions in NaNbO3 ceramics through bismuth/vacancy modification.

Terahertz Reading of Ferroelectric Domain Wall Dielectric Switching.

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Effect of processing on the structures and properties of bismuth sodium titanate compounds.
Multi elements substituted Aurivillius phase relaxor ferroelectrics using high entropy design concept.

Response to comment on "point defect structure of La-doped SrTiO3 ceramics with colossal permittivity".

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Solution-Processed Epitaxial Growth of Arbitrary Surface Nanopatterns on Hybrid Perovskite Monocrystalline Thin Films.

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Ultrahigh field-induced strain in lead-free ceramics.

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Colossal thermoelectric enhancement in Cu2+xZn1-xSnS4 solid solution by local disordering of crystal lattice and multi-scale defect engineering.

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High Thermoelectric Performance in SnTe Nanocomposites with All-Scale Hierarchical Structures.

Polar nano-clusters in nominally paraelectric ceramics demonstrating high microwave tunability for wireless communication.

The Contribution of Electrical Conductivity, Dielectric Permittivity and Domain Switching in Ferroelectric Hysteresis Loops.

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Preparation and mechanical performance of graphene platelet reinforced titanium nanocomposites for high temperature applications.

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Ordered coalescence of nano-crystals in alkaline niobate ceramics with high remanent polarization.

Phase transitions in bismuth-modified silver niobate ceramics for high power energy storage.

Topochemical transformation of two-dimensional single crystalline Na0.5Bi0.5TiO3-BaTiO3 platelets from Na0.5Bi4.5Ti4O15 precursors and their piezoelectricity.

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Growth of SiC platelets using contactless flash technique.

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Strain-Dependent Dielectric Behavior of Carbon Black Reinforced Natural Rubber.

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2015

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Li C, Wei X, Fang L, Yan H and Reece MJ. Ceramics International vol. 41, (8) 9923-9930.

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**Enhancement of thermoelectric properties by atomic-scale percolation in digenite CuxS.**

**Large ZT enhancement in hot forged nanostructured p-type Bi 0.5Sb1.5Te3 bulk alloys.**

**Lithium-induced phase transitions in lead-free Bi0.5Na 0.5TiO3 based ceramics.**

**Effect of dysprosium substitution on crystal structure and physical properties of multiferroic BiFeO3 ceramics.**

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**Utilizing the phonon glass electron crystal concept to improve the thermoelectric properties of combined Yb-stuffed and Te-substituted CoSb 3.**


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