

# Rajeev Ranjan

## List of Publications by Year in descending order

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189  
papers

5,467  
citations

71061

41  
h-index

110317

64  
g-index

192  
all docs

192  
docs citations

192  
times ranked

3907  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergistic use of Raman and photoluminescence signals for optical thermometry with large temperature sensitivity. <i>Physica B: Condensed Matter</i> , 2022, 626, 413455.	1.3	4
2	Optical temperature sensing by tuning photoluminescence in a wide (visible to near infrared) wavelength range in a Eu <sup>3+</sup> -doped Bi-based relaxor ferroelectric. <i>Optics Letters</i> , 2022, 47, 489.	1.7	1
3	A comparative study of energy harvesting performance of polymer-piezoceramic composites fabricated with different piezoceramic constituents. <i>International Journal of Energy Research</i> , 2021, 45, 2694-2708.	2.2	1
4	Effect of nitrogen annealing on the optoelectronic properties of manganese vanadate. <i>Semiconductor Science and Technology</i> , 2021, 36, 055016.	1.0	1
5	Strain transfer in ferroelectric-ferrimagnetic magnetoelectric composite. <i>Physical Review B</i> , 2021, 103, .	1.1	8
6	Depoling phenomena in $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ A structural perspective. <i>Physical Review B</i> , 2021, 103, .	1.1	28
7	Effect of sintering temperature on the structural disorder and its influence on electromechanical properties of the morphotropic phase boundary composition 0.94Na0.5Bi0.5TiO3-0.06BaTiO3 (NBT-6BT). <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16088-16103.	1.1	0
8	Large nonlinear electrostrain and piezoelectric response in nonergodic $\text{O}_3$ $\text{P}4\text{bm}$ phase. <i>Physical Review Materials</i> , 2021, 5, .	0.9	4
9	Energy harvesting with flexible piezocomposite fabricated from a biodegradable polymer. <i>International Journal of Energy Research</i> , 2021, 45, 19395.	2.2	7
10	Microscopic origin of giant piezoelectricity in ferroelectric $\text{BiO}_3$ $\text{P}4\text{bm}$ phase. <i>Physical Review B</i> , 2021, 104, .	1.1	1
11	Preponderant influence of disordered $\text{P}4\text{bm}$ phase on the piezoelectricity of critical compositions of $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ -based ferroelectrics. <i>Physical Review B</i> , 2021, 104, .	1.1	9
12	High temperature creep-mediated functionality in polycrystalline barium titanate. <i>Journal of the American Ceramic Society</i> , 2020, 103, 1891-1902.	1.9	26
13	Evidence of monoclinic phase and its variation with temperature at morphotropic phase boundary of PLZT ceramics. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152613.	2.8	18
14	Large temperature tuning of the emission color of a phosphor by dual use of Raman and photoluminescence signals. <i>Materials Horizons</i> , 2020, 7, 1101-1105.	6.4	15
15	Large structural heterogeneity in submicrometer BaTiO3 revealed via Eu <sup>3+</sup> photoluminescence study. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	4
16	Adaptive dipolar correlation in ferroelectric $\text{P}4\text{bm}$		

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19	Structural crossover from long period modulated to non-modulated cubic-like phase at cryogenic temperature in the morphotropic phase boundary of Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> . Journal of Applied Physics, 2020, 127, .	1.1	5
20	Factors contributing to the local polar-structural heterogeneity and ultrahigh piezoelectricity in Sm-modified Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> . Journal Physics D: Applied Physics, 2020, 53, 165302.	1.3	13
21	Magnetic enhancement of ferroelectric polarization in a particulate multiferroic composite derived <i>in situ</i> via additive assisted sintering of a pseudo ternary alloy system BiFeO <sub>3</sub> -PbTiO <sub>3</sub> -DyFeO <sub>3</sub> . Applied Physics Letters, 2020, 116, .	1.5	4
22	High-pressure structural investigation on lead-free piezoelectric 0.5Ba(Ti <sub>0.8</sub> Zr <sub>0.2</sub> )O <sub>3</sub> -0.5BaCa <sub>0.3</sub> Journal of the American Ceramic Society, 2020, 103, 5259-5269.		
23	Abrupt change in domain switching behavior within tetragonal phase regime of (x)Na <sub>1/2</sub> Bi <sub>1/2</sub> TiO <sub>3</sub> -(1-x)K <sub>1/2</sub> Bi <sub>1/2</sub> TiO <sub>3</sub> . Journal of Applied Physics, 2020, 128, .	1.1	8
24	Na <sub>1/2</sub> Bi <sub>1/2</sub> TiO <sub>3</sub> -Based Lead-Free Piezoceramics: A Review of Structure-property Correlation. Current Science, 2020, 118, 1507.	0.4	18
25	Influence of Cr <sup>3+</sup> doping on multiferroic properties in the morphotropic phase boundary compositions of BiFeO <sub>3</sub> -PbTiO <sub>3</sub> system. Journal of Materials Science: Materials in Electronics, 2019, 30, 16539-16547.	1.1	2
26	A coupled microstructural-structural mechanism governing thermal depolarization delay in Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -based piezoelectrics. Acta Materialia, 2019, 179, 49-60.	3.8	43
27	Large intrinsic magnetization in an epitaxial BiFeO <sub>3</sub> /NdGaO <sub>3</sub> system. Europhysics Letters, 2019, 126, 57003.	0.7	1
28	Increasing intervention of nonferroelectric distortion and weakening of ferroelectricity at the morphotropic phase boundary in $N_{a_{1-x}Bi_{x}TiO_3}$ - $PbTiO_3$ system. Journal of Applied Physics, 2019, 125, .	1.1	13
29	Organic Multifunctional Materials: Second Harmonic, Ferroelectric, and Dielectric Properties in <i>N</i> -Benzylideneaniline Analogues. Crystal Growth and Design, 2019, 19, 5934-5944.	1.4	8
30	Large electromechanical response in ferroelectrics: Beyond the morphotropic phase boundary paradigm. Physical Review B, 2019, 100, .	1.1	23
31	Finite-size-effect on a very large length scale in NBT-based lead-free piezoelectrics. Journal of Advanced Dielectrics, 2019, 09, 1950035.	1.5	4
32	Off-stoichiometry, structural-polar disorder and piezoelectricity enhancement in pre-MPB lead-free Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> piezoceramic. Journal of Applied Physics, 2019, 125, .	1.1	12
33	Random lattice strain and its relaxation towards the morphotropic phase boundary of $N_{a_{1-x}Bi_{x}TiO_3}$ - $PbTiO_3$ system. Journal of Applied Physics, 2019, 125, .	1.1	26
34	Modulation of Conductivity in Manganese Vanadium Oxide. , 2019, , .		0
35	Structural mechanism behind piezoelectric enhancement in off-stoichiometric Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> based lead-free piezoceramics. Acta Materialia, 2019, 164, 761-775.	3.8	38
36	Long-period structural modulation on the global length scale as the characteristic feature of the morphotropic phase boundaries in the Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> based lead-free piezoelectrics. Acta Materialia, 2019, 164, 749-760.	3.8	29

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37	Ferromagnetism in the multiferroic alloy systems BiFeO <sub>3</sub> -BaTiO <sub>3</sub> and BiFeO <sub>3</sub> -SrTiO <sub>3</sub> : Intrinsic or extrinsic?. Applied Physics Letters, 2019, 114, .	1.5	16
38	High Power Density Low-Lead-Piezoceramic-Polymer Composite Energy Harvester. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 789-796.	1.7	6
39	Factors influencing the coupling between non-180° domain switching and lattice strain in perovskite piezoceramics. Physical Review B, 2018, 97, .	1.1	5
40	Electrostrain in excess of 1% in polycrystalline piezoelectrics. Nature Materials, 2018, 17, 427-431.	13.3	180
41	Investigating the electrical conduction and relaxation phenomena in rare earth erbium doped lead free 0.94Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -0.06BaTiO <sub>3</sub> by impedance spectroscopy. Journal of Applied Physics, 2018, 123, .	1.1	15
42	Magnetic enhancement of ferroelectric polarization in a self-grown ferroelectric-ferromagnetic composite. Physical Review B, 2018, 97, .	1.1	16
43	Probing local structure of the morphotropic phase boundary composition of Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> using rare-earth photoluminescence as a technique. Acta Materialia, 2018, 145, 429-436.	3.8	27
44	Rayleigh analysis of domain dynamics across temperature induced polymorphic phase transitions in lead-free piezoceramics (1-x)(Ba <sub>1-x</sub> Ti <sub>x</sub> ) <sub>0.88</sub> Sn <sub>0.12</sub> (Ba <sub>0.7</sub> Ca <sub>0.3</sub> )TiO <sub>3</sub> . Journal Physics D: Applied Physics, 2018, 51, 185601.	1.3	7
45	Signature of exchange bias and magneto-electric coupling in BiFeO <sub>3</sub> /SrRuO <sub>3</sub> heterostructure. Journal of Magnetism and Magnetic Materials, 2018, 448, 236-242.	1.0	7
46	BaBiO <sub>3</sub> : A potential absorber for all-oxide photovoltaics. Materials Letters, 2018, 210, 218-222.	1.3	31
47	Ag <sub>2</sub> CrO <sub>4</sub> Schottky Junction for All-Oxide Solar Cells. , 2018, , .		0
48	Synergistic role of poling in enhancing structural heterogeneity in perovskite piezoelectrics. Physical Review B, 2018, 98, .	1.1	15
49	Enhanced thermal stability of dielectric, energy storage, and discharge efficiency in a structurally frustrated piezoelectric system: Erbium modified Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> . Journal of Applied Physics, 2018, 124, .	1.1	11
50	Quantum-fluctuation-stabilized orthorhombic ferroelectric ground state in lead-free piezoelectric $(1-x)(Ba_{1-x}Ti_x)_{0.88}Sn_{0.12}(Ba_{0.7}Ca_{0.3})TiO_3$ . Physical Review B, 2018, 98, .		
51	Tuning the crystallographic orientation and magnetic properties of multiferroic CuO epitaxial film on single crystalline SrTiO <sub>3</sub> substrates. Journal of Applied Physics, 2018, 124, 085303.	1.1	1
52	High electromechanical response in the non morphotropic phase boundary piezoelectric system $PbTi_3$ .		

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55	Plausible domain configurations and phase contents in two- and three-phase BaTiO <sub>3</sub> -based lead-free ferroelectrics. Journal Physics D: Applied Physics, 2017, 50, 065307.	1.3	6
56	Trapping a Metastable Ferroelectric Phase by Size Reduction in Semiconducting Ferroelectric $\text{BiFeO}_3$ . Its Implications for Photocatalytic Response. Physical Review Applied, 2017, 7, .	1.5	16
57	A complex lead-free (Na, Bi, Ba)(Ti, Fe)O <sub>3</sub> single phase perovskite ceramic with a high energy-density and high discharge-efficiency for solid state capacitor applications. Journal of the European Ceramic Society, 2017, 37, 2379-2384.	2.8	86
58	Comparative study on heterophase structures in ferroelectric solid solutions based on barium titanate. Crystal Research and Technology, 2017, 52, 1600299.	0.6	2
59	Anomalous influence of grain size on the global structure, ferroelectric and piezoelectric response of Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> . Acta Materialia, 2017, 134, 177-187.	3.8	57
60	Relaxor dielectric behavior in BaTiO <sub>3</sub> substituted BiFeO <sub>3</sub> –PbTiO <sub>3</sub> multiferroic system. Journal of Materials Science: Materials in Electronics, 2017, 28, 10420-10426.	1.1	11
61	Mechanism of magnetostructural transformation in multifunctional Mn <sub>3</sub> GaC. Journal of Applied Physics, 2017, 122, 103906.	1.1	6
62	Optical Properties of Zn <sub>2</sub> Mo <sub>3</sub> O <sub>8</sub> : Combination of Theoretical and Experimental Study. Journal of Physical Chemistry C, 2017, 121, 24766-24773.	1.5	15
63	Grain-size dependent electric-field induced structural changes and its role in determining the piezoelectric response of 0–3 piezoceramic-polymer composite. Journal of Applied Physics, 2017, 122, .	1.1	8
64	Tuning the magnetic characteristics of epitaxial BiFeO <sub>3</sub> films using structural control. Thin Solid Films, 2017, 642, 117-123.	0.8	1
65	On the inter-layer magneto-electric coupling in BiFeO <sub>3</sub> /SrRuO <sub>3</sub> heterostructure. Applied Physics Letters, 2017, 111, 102902.	1.5	2
66	Sm/Ti co-substituted bismuth ferrite multiferroics: reciprocity between tetragonality and piezoelectricity. Physical Chemistry Chemical Physics, 2017, 19, 26285-26295.	1.3	18
67	Structural perspective on the anomalous weak-field piezoelectric response at the polymorphic phase boundaries of $\text{Ba}_{1-x}\text{Ti}_x\text{O}_3$ . Physical Review B, 2017, 96, .	1.1	26
68	Correlation between structure and Rayleigh parameters in the lead-free piezoceramic (1-x)Ba(Ti <sub>0.88</sub> ) <sub>2</sub> O <sub>7</sub> . Journal of Applied Physics, 2017, 122, 10420-10426.	1.1	14
69	Magnetic controlled voltage in the pseudo-ternary multiferroic BiFeO <sub>3</sub> –PbTiO <sub>3</sub> –BaTiO <sub>3</sub> . Materials Research Express, 2017, 4, 095701.	0.8	1
70	Proton Conduction in a Quaternary Organic Salt: Its Phase Behavior and Related Spectroscopic Studies. Journal of Physical Chemistry C, 2017, 121, 18317-18325.	1.5	7
71	Electric field induced strain, switching and energy storage behaviour of lead free Barium Zirconium Titanate ceramic. Physica B: Condensed Matter, 2017, 521, 264-269.	1.3	29
72	Effect of Annealing on Performance of Solar Cells with New Oxide Absorber Mn <sub>2</sub> V <sub>2</sub> O <sub>7</sub> . , 2017, , .		2

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73	Electro-optical Properties of Zn2Mo3O8 Thin-Films: A Novel Low-Bandgap Solar Absorber. , 2017, , .		0
74	Coupled domain wall motion, lattice strain and phase transformation in morphotropic phase boundary composition of PbTiO3-BiScO3 piezoelectric ceramic. Journal of Applied Physics, 2016, 120, .	1.1	16
75	Growth stress induced tunability of dielectric permittivity in thin films. Journal of Applied Physics, 2016, 119, .	1.1	12
76	Structural and Magnetic Properties of Amorphous Tb-Dy-Fe-Co Thin Films. Journal of Superconductivity and Novel Magnetism, 2016, 29, 863-867.	0.8	6
77	Improvement in dielectric and ferroelectric property of dysprosium doped barium bismuth titanate ceramic. Journal of Materials Science: Materials in Electronics, 2016, 27, 7211-7221.	1.1	8
78	Processing and nanoclay induced piezoelectricity in poly(vinylidene fluoride-co-hexafluoro) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	1.8	42
79	Composition driven ferroelectric transformations in lead-free Ba(Ti1â~Ce )O3 (0.02Â%Â%Â%0.10). Materials Chemistry and Physics, 2016, 179, 152-159.	2.0	4
80	Interferroelectric transition as another manifestation of intrinsic size effect in ferroelectrics. Physical Review B, 2016, 94, .	1.1	8
81	Structural transformations in morphotropic-phase-boundary composition of the lead-free piezoelectric systemBa(Ti0.8Zr0.2)O3â~(Ba0.7Ca0.3)TiO3. Physical Review B, 2016, 94, .	1.1	56
82	Electric field and temperature dependence of the local structural disorder in the lead-free ferroelectric <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">N</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">B</mml:mi></mml:mrow></mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:mi>Ti</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>	1.1	45
83	Pressure effects on model ferroelectric <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Multiple phase transitions. Physical Review B, 2016, 93, .	1.1	22
84	Tuning Photoluminescence Response by Electric Field in Electrically Soft Ferroelectrics. Physical Review Letters, 2016, 116, 117601.	2.9	84
85	Anomalous reduction in domain wall displacement at the morphotropic phase boundary of the piezoelectric alloy system <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>PbTi</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>BiSc</mml:mi><mml:msub><mml:mi>O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>	1.1	33
86	Long-period modulated structure and electric field induced structural transformation in <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:mi>Ti</mml:mi><mml:msub><mml:mi>O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>	1.1	22
87	Maintaining local displacive disorders in Na 0.5 Bi 0.5 TiO 3 piezoceramics by K 0.5 Bi 0.5 TiO 3 substitution. Journal of the European Ceramic Society, 2016, 36, 1961-1972.	2.8	18
88	Structural crossover from nonmodulated to long-period modulated tetragonal phase and anomalous change in ferroelectric properties in the lead-free piezoelectric <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msub><mml:mi>O</mml:mi><mml:mn>3</mml:mn></mml:mrow></mml:math>	1.1	27
89	Phase boundary at all Bi in <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>x</mml:mi><mml:msub><mml:mi>O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> its anomalous influence on the structure and properties in the lead-free piezoelectric <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ba</mml:mi><mml:msub><mml:mi>O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>	1.1	31
90	Relaxor ferroelectricity and electric field-driven structural transformation in the giant lead-free piezoelectric <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ba</mml:mi><mml:msub><mml:mi>O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2015, 92, .	1.1	112

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91	Electric field induced short range to long range structural ordering and its influence on the Eu <sup>3+</sup> photoluminescence in the lead-free ferroelectric Na <sub>1/2</sub> Bi <sub>1/2</sub> TiO <sub>3</sub> . Journal of Applied Physics, 2015, 117, .	1.1	24
92	Field induced domain switching as the origin of anomalous lattice strain along non-polar direction in rhombohedral BiScO <sub>3</sub> -PbTiO <sub>3</sub> close to the morphotropic phase boundary. Applied Physics Letters, 2015, 107, .	1.5	18
93	Optical and dielectric study of strontium modified barium zirconium titanate ceramic prepared by high energy ball milling. Journal of Alloys and Compounds, 2015, 645, 586-596.	2.8	52
94	Effect of sputtering parameters on the structure, microstructure and magnetic properties of Tb-Fe films. Thin Solid Films, 2015, 583, 1-6.	0.8	23
95	Interrelationship between Interphase Boundaries and Phase Contents near the Critical Compositions of Lead-Free Ferroelectric (Na <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> ~BaTiO <sub>3</sub> . Ferroelectrics, 2015, 482, 22-33.	0.3	3
96	Influence of substrate temperature on structure, microstructure and magnetic properties of sputtered Fe-Ga thin films. Journal of Magnetism and Magnetic Materials, 2015, 384, 58-63.	1.0	35
97	Polarization switching and high piezoelectric response in Sn-modified BaTiO <sub>3</sub> . Physical Review B, 2015, 91, .	1.1	81
98	Ferroelectric instabilities and enhanced piezoelectric response in Ce modified BaTiO <sub>3</sub> lead-free ceramics. Applied Physics Letters, 2015, 106, .	1.5	30
99	Unraveling the nature of electric field- and stress- induced structural transformations in soft PZT by a new powder poling technique. Journal of Physics Condensed Matter, 2015, 27, 072201.	0.7	13
100	Metastable monoclinic and orthorhombic phases and electric field induced irreversible phase transformation at room temperature in the lead-free classical ferroelectric BaTiO <sub>3</sub> . Physical Review B, 2015, 91, .	1.1	55
101	Equilibrium phases in the multiferroic BiFeO <sub>3</sub> -PbTiO <sub>3</sub> system – a revisit. EPJ Web of Conferences, 2014, 75, 09003.	0.1	2
102	Zirconia doped barium titanate induced electroactive $\rho^2$ polymorph in PVDF-HFP: high energy density and dielectric properties. Materials Research Express, 2014, 1, 045301.	0.8	7
103	Analogous stress and electric field driven structural transformation and decrease in polarization coherence on poling around the morphotropic phase boundary in BiScO <sub>3</sub> -PbTiO <sub>3</sub> . Physical Review B, 2014, 90, .	1.1	25
104	Orthorhombic-tetragonal phase coexistence and enhanced piezo-response at room temperature in Zr, Sn, and Hf modified BaTiO <sub>3</sub> . Applied Physics Letters, 2014, 104, .	1.5	129
105	Modern piezoelectrics. Resonance, 2014, 19, 1130-1146.	0.2	1
106	Magneto-structural study of the multiferroic BiFeO <sub>3</sub> -SrTiO <sub>3</sub> . Journal of Magnetism and Magnetic Materials, 2014, 365, 76-82.	1.0	28
107	Dielectric relaxation and anti-ferromagnetic coupling of BiEuO <sub>3</sub> and BiGdO <sub>3</sub> . Journal of Magnetism and Magnetic Materials, 2014, 360, 80-86.	1.0	12
108	Stabilization of metastable tetragonal phase in a rhombohedral magnetoelectric multiferroic BiFeO <sub>3</sub> -PbTiO <sub>3</sub> . Journal Physics D: Applied Physics, 2014, 47, 045004.	1.3	20

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109	Ferroelectric phase coexistence by crystallite size reduction in $\text{BiFeO}_3\hat{\sim}\text{PbTiO}_3$ . Physical Review B, 2014, 90, .	1.1	19
110	Phase transformation, improved ferroelectric and magnetic properties of $(1\hat{\sim}\text{Pb}\hat{\sim}\text{BiFeO}_3\hat{\sim}\text{xPb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ solid solutions. Journal of Applied Physics, 2014, 115, .	1.1	37
111	Structural refinement, optical and electrical properties of $[\text{Ba}_{1\hat{\sim}\text{x}}\text{Sm}_{2\text{x}/3}](\text{Zr}_{0.05}\text{Ti}_{0.95})\text{O}_3$ ceramics. Journal of Materials Science: Materials in Electronics, 2014, 25, 3427-3439.	1.1	19
112	Co-existence of tetragonal and monoclinic phases and multiferroic properties for $\text{x}\hat{\sim}0.30$ in the $(1\hat{\sim})$ $\text{Tj ETQq0,0,0 rgBT /Overlock 1}$	2.8	14
113	Dielectric relaxation, phase transition and Rietveld studies of perovskite $[\text{Pb}_{0.94}\text{Sr}_{0.06}][(\text{Mn}_{1/3}\text{Sb}_{2/3})_{0.05}(\text{Zr}_{0.52}\text{Ti}_{0.48})_{0.95}]\text{O}_3$ ceramics. Journal of Alloys and Compounds, 2014, . Lead-free piezoelectric system $(\text{Na}\hat{\sim})$ $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf}$	2.8	3
114		1.1	185
115	Anomalous piezoelectric response due to stabilization of two ferroelectric phases in Zr-modified $\text{BaTiO}_3$ . Journal of Physics Condensed Matter, 2013, 25, 362203.	0.7	18
116	Anomalous polarization in the antiferroelectric-ferroelectric phase coexistence state in $\text{PbZrO}_3\text{-Bi}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3$ . Journal of Applied Physics, 2013, 114, 234105.	1.1	3
117	Na $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf}$ and polar properties in $\text{Na}\hat{\sim}0.5$ $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf}$	1.1	194
118	Long ranged structural modulation in the pre-morphotropic phase boundary cubic-like state of the lead-free piezoelectric $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3\text{-BaTiO}_3$ . Journal of Applied Physics, 2013, 114, .	1.1	46
119	Metastable morphotropic phase boundary state in the multiferroic $\text{BiFeO}_3\hat{\sim}\text{PbTiO}_3$ . Journal of Applied Physics, 2013, 114, 114102.	1.1	43
120	Ferroelectric-ferroelectric phase coexistence in $\text{Na}\hat{\sim}1$ $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf}$	1.1	111
121	$\text{BiScO}_3\hat{\sim}\text{PbTiO}_3$ Physical Review B, 2013, 87, .	1.1	42
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