

# Ruyan Guo

## List of Publications by Year in descending order

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402  
papers

10,517  
citations

87401

40  
h-index

45040

94  
g-index

430  
all docs

430  
docs citations

430  
times ranked

8590  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature and frequency dependence of dielectric relaxation in a metal-organic perovskite-like framework. <i>Ferroelectrics</i> , 2022, 586, 178-189.	0.3	1
2	Biodegradable nanocomposite derived from PLA/PBAT blends with transition metal cation-doped porous clay heterostructures for flexible capacitor applications. <i>Ferroelectrics</i> , 2022, 586, 41-59.	0.3	1
3	Energy Harvesting Using a Stacked PZT Transducer for Self-Sustainable Remote Multi-Sensing and Data Logging System. <i>Journal of Composites Science</i> , 2022, 6, 49.	1.4	5
4	A comparison of shear-mixing and solvent-induced on phase behavior, thermal and dielectric properties of PVDF/HFP/MOF composites. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	3
5	Physical characterization of BiFeO <sub>3</sub> -based thin films with enhanced properties for photovoltaic applications. <i>Journal of the American Ceramic Society</i> , 2022, 105, 6965-6975.	1.9	2
6	Optical absorption of Nd <sub>2</sub> O <sub>3</sub> -Doped polyvinylidene fluoride films. <i>Materials Chemistry and Physics</i> , 2021, 258, 123904.	2.0	7
7	Novel synthesis route of porous clay heterostructures via mixed surfactant template and their dielectric behavior. <i>Journal of Porous Materials</i> , 2021, 28, 117-128.	1.3	9
8	Modeling, simulation and synthesis of multiferroic magnetoelectric CoFe <sub>2</sub> O <sub>4</sub> /BaTiO <sub>3</sub> composite nanoparticles. <i>Solid State Communications</i> , 2021, 333, 114288.	0.9	5
9	Ferroelectric and magnetic domain mapping of magneto-dielectric Ce doped BiFeO <sub>3</sub> thin films. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160698.	2.8	6
10	Analysis using physics model to understand magnetoelectric nanorobotic structures for targeted cell manipulation. <i>Ferroelectrics</i> , 2021, 585, 70-87.	0.3	4
11	Empirical and numerical determination of the freezing point depression of an unsteady flow in a scraped surface crystallizer. <i>Applied Thermal Engineering</i> , 2020, 179, 115734.	3.0	4
12	100 <sup>th</sup> anniversary of the discovery of ferroelectricity: How it impacted the current day physics. <i>Ferroelectrics</i> , 2020, 569, 348-356.	0.3	4
13	Theory, simulation and experiment of optical properties of cobalt ferrite (CoFe <sub>2</sub> O <sub>4</sub> ) nanoparticles. <i>Journal of Materials Science and Technology</i> , 2020, 57, 180-187.	5.6	11
14	Study of the changes in the polar phase and optical properties of poly (vinylidene fluoride) matrix by neodymium compound addition. <i>Materials Today Communications</i> , 2020, 25, 101274.	0.9	4
15	Current status of functional and multifunctional materials for 3D microfabrication: An overview. <i>Ferroelectrics</i> , 2020, 555, 15-56.	0.3	6
16	Innovative multifunctional hybrid photoelectrode design based on a ternary heterojunction with super-enhanced efficiency for artificial photosynthesis. <i>Scientific Reports</i> , 2020, 10, 10669.	1.6	4
17	Numerical and experimental study of the glass-transition temperature of a non-Newtonian fluid in a dynamic scraped surface heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , 2020, 152, 119525.	2.5	8
18	Photoacoustic behavior of CoFe <sub>2</sub> O <sub>4</sub> and CoFe <sub>2</sub> O <sub>4</sub> -BaTiO <sub>3</sub> core-shell magnetoelectric nanoparticles. <i>Ferroelectrics</i> , 2020, 555, 57-63.	0.3	1

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19	Assessment of PZT (Soft/Hard) Composites for Energy Harvesting. <i>Ferroelectrics</i> , 2020, 555, 118-123.	0.3	5
20	Study of multiphase aqueous solutions for nonisothermal conditions using the complex permittivity in the microwave range. <i>Ferroelectrics</i> , 2020, 555, 101-108.	0.3	4
21	Effect of mechanical fastener induced pre-stress on power efficiency of soft PZT energy harvesters. <i>Ferroelectrics</i> , 2020, 555, 124-131.	0.3	1
22	Phase-transition temperature determination using optical spectroscopy in a rotating flow inside a scrape surface crystallizer. , 2020, , .		1
23	Numerical investigation of nanoscale electromechanical response in a ferroelectric perovskite through an atomistic field theory. <i>Ferroelectrics</i> , 2019, 540, 124-137.	0.3	0
24	Study of the crystal and electronic structures of $(\text{Bi}_{1-x}\text{Nd}_x)\text{FeO}_3$ compositions using Rietveld refinements and the maximum entropy method. <i>Ferroelectrics</i> , 2019, 545, 167-174.	0.3	7
25	Ferroelectric, magnetic and microstructural studies on $\text{CoFe}_2\text{O}_4:\text{BaTiO}_3$ core-shell magnetoelectric nanocomposites using microscopy. <i>Ferroelectrics</i> , 2019, 545, 134-140.	0.3	4
26	On the superparamagnetic behavior of $\text{BiFeO}_3/\text{PbTiO}_3$ nanoparticles. <i>Journal of Applied Physics</i> , 2019, 126, 084103.	1.1	2
27	Degradation of piezoelectric device as an energy harvester under equivalent traffic stress condition. <i>Ferroelectrics</i> , 2019, 540, 112-123.	0.3	9
28	Ferroic properties of nickel-ferrite based ceramic composites at room temperature. <i>Ferroelectrics</i> , 2019, 545, 150-155.	0.3	0
29	Electro-optic (EO) effect in proton-exchanged lithium niobate: towards EO modulator. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	1.1	6
30	Phase characteristics, microstructure, and electrical properties of $(1-x)\text{BaZr}_{0.2}\text{Ti}_{0.8}\text{O}_3-(x)(\text{Ba}_{0.7}\text{Ca}_{0.3})_{0.985}\text{La}_{0.01}\text{TiO}_3$ ceramics. <i>Ceramics International</i> , 2019, 45, 17502-17511.	2.3	16
31	Analysis of Magnetoelectric Robot for Biological Cell Poration. , 2019, , .		6
32	In-situ characterization of multi-phase flows in a dynamic scraped surface heat exchanger using optical techniques in the visible spectrum. , 2019, , .		1
33	Achieving near-infrared deep tissue imaging via metal organic complex nanoparticles. , 2019, , .		0
34	Core-shell magnetoelectric nanorobot – A remotely controlled probe for targeted cell manipulation. <i>Scientific Reports</i> , 2018, 8, 1755.	1.6	43
35	Order-disorder transition, microstructures and microwave dielectric properties of $\text{Bi}_2(\text{Zn}_{1/3}\text{Nb}_{2/3})_2\text{O}_7$ ceramics. <i>Journal of Alloys and Compounds</i> , 2018, 754, 78-84.	2.8	3
36	Large electro-optic response of bulk ferroelectric crystals enhanced by piezoelectric resonance in the high frequency range. <i>Materials Research Bulletin</i> , 2018, 97, 523-529.	2.7	7

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37	Interface studies in heterostructured core-shell magnetoelectric nanocomposites. <i>Ferroelectrics</i> , 2018, 534, 89-94.	0.3	2
38	Piezoelectric stacked transducer evaluation and comparison for optimized energy harvesting. <i>Ferroelectrics</i> , 2018, 535, 8-17.	0.3	10
39	Nanoscale structural and polar behavior in abalone and clamshell probed by scanning probe microscopy. <i>Ferroelectrics</i> , 2018, 533, 92-98.	0.3	1
40	Structural and microstructural analyses on Sm-modified $\text{BaTiO}_3$ obtained from the Pechini's method. <i>Ferroelectrics</i> , 2018, 533, 99-107.	0.3	2
41	Dielectric, magnetic and structural characterizations in Mn doped $0.9\text{BiFeO}_3-0.1\text{BaTiO}_3$ compositions. <i>Ferroelectrics</i> , 2018, 534, 95-102.	0.3	4
42	Synthesis and ferroic and multiferroic studies on $\text{Bi}_{1-x}\text{Nd}_x\text{Fe}_{0.99}\text{Co}_{0.01}\text{O}_3$ compositions. <i>Ferroelectrics</i> , 2018, 534, 114-120.	0.3	3
43	Structural and magnetic properties of $\text{BiFeO}_3-\text{PbTiO}_3$ polycrystals. <i>Ferroelectrics</i> , 2018, 534, 121-128.	0.3	2
44	Structural, dielectric, ferroelectric, and ferromagnetic properties of multiferroic ceramics $(1-x)\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_{3-x}\text{Ba}_{0.7}\text{Ca}_{0.3}\text{FeTaO}_5$ . <i>Ferroelectrics</i> , 2018, 534, 164-171.	0.3	1
45	Study of the origin of ferroic properties using crystal and electronic structures in $\text{BiFeO}_3$ -based compositions. <i>Ferroelectrics</i> , 2018, 535, 128-135.	0.3	1
46	Temperature dependent dielectric and magnetoelectric response of multiferroic $\text{CoFe}_2\text{O}_4$ and $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3$ multilayered structure. <i>Ferroelectrics</i> , 2018, 534, 139-145.	0.3	0
47	Modeling and Simulation of Novel Ferroelectric Gate Stack in MOSFET for Enhanced Device Performance. , 2018, , .		2
48	Dielectric, ferroelectric and piezoelectric properties of $(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{Ti}_{1-x}\text{Cu}_x\text{O}_{3-x}$ ceramics. <i>Journal of Alloys and Compounds</i> , 2018, 759, 120-127.	2.8	14
49	Dynamic magnetization on the low temperature magnetoelectric effect in multiferroic composites. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 325803.	0.7	4
50	Microscopic Description of the Ferroism in Lead-Free $\text{AlFeO}_3$ . <i>Scientific Reports</i> , 2018, 8, 6420.	1.6	17
51	Demonstration of wide frequency bandwidth electro-optic response in SBN thin film waveguide. <i>Optical Materials</i> , 2018, 85, 26-31.	1.7	11
52	Pyroelectric Energy Conversion from Lithium Tantalum Oxide ( $\text{LiTaO}_3$ ) Crystal Evaluated by Dynamic Optical Chynoweth Method and Converter Design. , 2018, , .		0
53	Defect-dipole defined nanoscale ferroelectric polar-orders induced in Barium Zirconate. <i>Scripta Materialia</i> , 2017, 130, 119-123.	2.6	3
54	Polyvinylidene fluoride/hydroxyapatite/ $\beta$ -tricalcium phosphate multifunctional biocomposite: Potentialities for bone tissue engineering. <i>Current Applied Physics</i> , 2017, 17, 767-773.	1.1	25

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55	Phase transformation and dielectric properties of $\text{Bi}_{2-x}(\text{Zn}_{1/3}\text{Nb}_{2/3})_{1-x}\text{Ti}_x\text{O}_7$ ceramics. <i>Ferroelectrics</i> , 2017, 507, 19-28.	0.3	0
56	Improved magnetic properties and structural characterizations in Mn doped $0.9\text{BiFeO}_3\text{-}0.1\text{BaTiO}_3$ compositions. <i>Scripta Materialia</i> , 2017, 130, 161-164.	2.6	19
57	Thermal expansion behaviors of $\text{O}^3$ connectivity lead-free barium zirconate titanate-Portland cement composites. <i>Ceramics International</i> , 2017, 43, S129-S135.	2.3	9
58	Magnetoelastoelectric coupling in core-shell nanoparticles enabling directional and mode-selective magnetic control of THz beam propagation. <i>Nanoscale</i> , 2017, 9, 13052-13059.	2.8	9
59	Effects of donor and acceptor doping on dielectric and ferroelectric properties of $\text{Ba}_{0.7}\text{Ca}_{0.3}\text{TiO}_3$ lead-free ceramics. <i>Journal of Alloys and Compounds</i> , 2017, 695, 1329-1335.	2.8	34
60	Origin of the dielectric abnormalities and tunable dielectric properties in doped KTN single crystals. <i>Applied Physics Letters</i> , 2017, 111, 242902.	1.5	4
61	Numerical investigation of size effects on mechanical behaviors of Fe nanoparticles through an atomistic field theory. <i>Journal of Micromechanics and Molecular Physics</i> , 2017, 02, 1750010.	0.7	6
62	Terahertz attenuators based on dielectric stacks with alternating refractive indices. <i>Optical Engineering</i> , 2017, 56, 1.	0.5	0
63	THz Imaging of Skin Burn: Seeing the Unseen—An Overview. <i>Advances in Wound Care</i> , 2016, 5, 338-348.	2.6	11
64	Understanding the dynamic magnetization process for the magnetoelectric effect in multiferroic composites. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	13
65	Achieving magneto-elasto-electroporation and cell transport using core-shell magnetoelctric nanoparticles (Conference Presentation). , 2016, , .		0
66	Effect of $\text{Sb}_2\text{O}_3$ on the electrical properties of $\text{Ba}_{0.9}\text{Ca}_{0.1}\text{Zr}_{0.1}\text{Ti}_{0.9}\text{O}_3$ ceramics fabricated using nanocrystals seed. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	4
67	Voltage gain and efficiency of a bi-layered radial mode piezoelectric/magnetoelctric solid-state transformer. <i>Integrated Ferroelectrics</i> , 2016, 174, 210-216.	0.3	1
68	Control of crystalline characteristics of shell in core-shell magnetoelctric nanoparticles studied using HRTEM and holography. <i>Ferroelectrics</i> , 2016, 503, 68-76.	0.3	5
69	Low frequency piezoresonance defined dynamic control of terahertz wave propagation. <i>Scientific Reports</i> , 2016, 6, 38041.	1.6	3
70	High precision optical measurement of displacement and simultaneous determinations of piezoelectric coefficients. , 2016, , .		0
71	Study of the effects of holmium and 2-aminoterephthalate additions on the optical properties of polyvinylidene fluoride. <i>Integrated Ferroelectrics</i> , 2016, 174, 167-173.	0.3	4
72	Dielectric and ultrasonic attenuation at low temperatures on BST ceramics with high strontium concentration. <i>Integrated Ferroelectrics</i> , 2016, 174, 111-120.	0.3	3

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73	Study of the BaTiO <sub>3</sub> electronic structure using the maximum entropy method and density functional theory calculations. Integrated Ferroelectrics, 2016, 174, 104-110.	0.3	3
74	Directional dependence figure of merit analysis of piezoelectric materials. Integrated Ferroelectrics, 2016, 174, 26-33.	0.3	9
75	Dielectric and structural features of the environmentally friendly lead-free PVDF/Ba <sub>0.3</sub> Na <sub>0.7</sub> Ti <sub>0.3</sub> Nb <sub>0.7</sub> O <sub>3</sub> 0-3 composite. Current Applied Physics, 2016, 16, 1468-1472.	1.1	11
76	Cell permeation using core-shell magnetoelectric nanoparticles. Integrated Ferroelectrics, 2016, 174, 186-194.	0.3	10
77	Microcontroller based application of bio-sensing the critical parameters of the human lung. Integrated Ferroelectrics, 2016, 174, 195-202.	0.3	1
78	Electric field biased Faraday Effect in Cr-doped BiFeO <sub>3</sub> thin film. Proceedings of SPIE, 2016, , .	0.8	0
79	Synthesis and characterization of structural, microstructural and ferroic properties of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles and CoFe <sub>2</sub> O <sub>4</sub> :BaTiO <sub>3</sub> core-shell nanocomposites. Integrated Ferroelectrics, 2016, 174, 88-97.	0.3	14
80	Thermal effects in magnetoelectric properties of NiFe <sub>2</sub> O <sub>4</sub> /Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> /NiFe <sub>2</sub> O <sub>4</sub> tri-layered composite. Integrated Ferroelectrics, 2016, 174, 203-209.	0.3	5
81	Ferroic properties of 0.675[Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> ] <sup>~</sup> 0.325[PbTiO <sub>3</sub> ]/CoFe <sub>2</sub> O <sub>4</sub> prepared by spark plasma sintering. Integrated Ferroelectrics, 2016, 174, 138-145.	0.3	0
82	Evidencing the magnetoelectric coupling in Bi <sub>1-x</sub> Nd <sub>x</sub> FeO <sub>3</sub> compositions through ferroic characterizations. Integrated Ferroelectrics, 2016, 174, 98-103.	0.3	2
83	Electron density distribution and electronic structure as tools to study the origin of ferroic states in ferroelectric and magnetic materials. Ferroelectrics, 2016, 500, 26-36.	0.3	2
84	Multiferroic thin film characterization probed by terahertz transient pulses (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5Q 302 Td (P		
85	Magneto-elasto-electroporation (MEEP): In-vitro visualization and numerical characteristics. Scientific Reports, 2016, 6, 32019.	1.6	34
86	Optical and microstructural characterization of multilayer Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> thin films correlating ellipsometry and nanoscopy. Journal of Materials Science, 2016, 51, 7944-7955.	1.7	2
87	Magnetic field tunable capacitive dielectric:ionic-liquid sandwich composites. Materials Research Express, 2016, 3, 036102.	0.8	3
88	Enhanced ferroelectricity, piezoelectricity and ferromagnetism in (Ba <sub>0.75</sub> Ca <sub>0.25</sub> )TiO <sub>3</sub> modified BiFeO <sub>3</sub> multiferroic ceramics. Journal of Alloys and Compounds, 2016, 658, 973-980.	2.8	19
89	Giant Magnetoelectric Effect in PZT Thin Film Deposited on Nickel. Energy Harvesting and Systems, 2016, 3, 181-188.	1.7	14
90	Local structure study of phase transition behavior in Ba(Ti,Sn)O <sub>3</sub> perovskite by X-ray absorption fine structure. Ceramics International, 2016, 42, 8151-8154.	2.3	14

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91	Design and Simulation of 100kHz and 200kHz Tri-Phase PZT Piezoelectric Transducers. Integrated Ferroelectrics, 2015, 166, 99-107.	0.3	1
92	Effect of BiYbO <sub>3</sub> Addition with a Small Tolerance Factor on Ferroelectricity and TC in PbZrO <sub>3</sub> Ceramics. Ferroelectrics, 2015, 487, 55-67.	0.3	1
93	Investigation of electrical, optical and structural properties of sputtered indium tin oxide thin film. Proceedings of SPIE, 2015, , .	0.8	0
94	Investigation of the Physical Properties of PLZT Ferroelectric Ceramics – Effect of the Lanthanum Content. Integrated Ferroelectrics, 2015, 166, 158-167.	0.3	9
95	BaTiO <sub>3</sub> Coated CoFe <sub>2</sub> O <sub>4</sub> – Core-Shell Magnetolectric Nanoparticles (CSMEN) Characterization. Integrated Ferroelectrics, 2015, 166, 225-231.	0.3	23
96	Front Matter: Volume 9586. , 2015, , .		1
97	Maximum Entropy Method Applied in the Experimental Visualization of Electron Density Distributions in BiFeO <sub>3</sub> . Integrated Ferroelectrics, 2015, 166, 168-174.	0.3	2
98	Phase Transition Characteristics in A-Site La <sup>3+</sup> Modified Bi-Layered Aurivillius-Type Structure SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> Ferroelectric Ceramics. Integrated Ferroelectrics, 2015, 166, 150-157.	0.3	3
99	Possible Mechanisms of Capacitance Enhancement under Magnetic Field: Charge Density Gradient Modulation, Electron Gas Excitation and oscillatory Magnetization-Polarization Coupling. Integrated Ferroelectrics, 2015, 166, 232-244.	0.3	0
100	Synthesis and Study of Ferroic Properties BiFe <sub>1-y</sub> Co <sub>y</sub> O <sub>3</sub> Compositions. Integrated Ferroelectrics, 2015, 166, 175-179.	0.3	0
101	Ferroelectricity and Ferroic Like Signature in Biological Species: “Bio-Multiferroics” An Overview. Integrated Ferroelectrics, 2015, 166, 74-98.	0.3	3
102	Current Status of Oxide Dielectric Materials for Terahertz Applications – An Overview. Integrated Ferroelectrics, 2015, 166, 108-139.	0.3	12
103	Photoacoustic and magnetoelastic property of cobalt ferrite nanoparticles and its attenuation with barium titanate coating. Proceedings of SPIE, 2015, , .	0.8	0
104	Magnetolectric Response in (1-x)PbZr <sub>0.65</sub> Ti <sub>0.35</sub> O <sub>3</sub> – xBaFe <sub>12</sub> O <sub>19</sub> Multiferroic Ceramic Composites. Journal of the American Ceramic Society, 2015, 98, 1542-1547.		18
105	Room temperature nonlinear magnetolectric effect in lead-free and Nb-doped AlFeO <sub>3</sub> compositions. Journal of Applied Physics, 2015, 117, 064104.	1.1	7
106	Frequency dielectric response of ferroelectric – magnetic ceramic composites like PbZr <sub>0.65</sub> Ti <sub>0.35</sub> O <sub>3</sub> – BaFe <sub>12</sub> O <sub>19</sub> . Ceramics International, 2015, 41, 7091-7096.	2.3	4
107	Orientation dependence of dielectric and piezoelectric properties of (K <sub>0.95</sub> Li <sub>0.05</sub> )(Ta <sub>0.40</sub> Nb <sub>0.60</sub> )O <sub>3</sub> single crystal. Ceramics International, 2015, 41, 6657-6662.	2.3	8
108	Ferroelectric domain structure evolution in Ba(Zr <sub>0.1</sub> Ti <sub>0.9</sub> )O <sub>3</sub> /(Ba <sub>0.75</sub> Ca <sub>0.25</sub> )TiO <sub>3</sub> heterostructures. RSC Advances, 2015, 5, 65811-65817.	1.7	2

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109	Ferroelectric-Relaxor Behavior of Highly Epitaxial Barium Zirconium Titanate Thin Films. Journal of Nano Research, 2015, 34, 67-72.	0.8	0
110	Terahertz electrical and optical properties of LiNbO <sub>3</sub> single crystal thin films. , 2015, , .		3
111	Memristor memory element based on ZnO thin film structures. Proceedings of SPIE, 2015, , .	0.8	1
112	Diffuse Dielectric Behavior of (Bi <sub>0.5</sub> Na <sub>0.5</sub> )Zr <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> Lead-Free Ceramics. Ferroelectrics, 2014, 458, 174-180.	0.3	1
113	Modulating Frequency and Responsivity of Pyroelectric Energy Converters by Finite Element Analysis. Ferroelectrics, 2014, 472, 50-58.	0.3	2
114	Front Matter: Volume 9200. Proceedings of SPIE, 2014, , .	0.8	1
115	Dielectric and impedance measurements on (1- $\hat{x}$ )Ba(Fe <sub>1/2</sub> Ta <sub>1/2</sub> )O <sub>3</sub> -xBa(Zn <sub>1/3</sub> Ta <sub>2/3</sub> )O <sub>3</sub> ceramics. Current Applied Physics, 2014, 14, 1819-1824.	1.1	9
116	Magnetoelectric Characterization of Multiferroic Nanostructure Materials. Ferroelectrics, 2014, 473, 137-153.	0.3	9
117	Dielectric Relaxation and Electrical Properties of Lead-Free Perovskite BaGe <sub>x</sub> (Fe <sub>0.5</sub> Nb <sub>0.5</sub> ) <sub>1-<math>\hat{x}</math></sub> O <sub>3</sub> Ceramic. Ferroelectrics, 2014, 473, 1-12.	0.3	3
118	Tuning ferroic states in La doped BiFeO <sub>3</sub> -PbTiO <sub>3</sub> displacive multiferroic compounds. Journal of Applied Physics, 2014, 116, 034107.	1.1	8
119	Effective Pyroelectric Coefficient of Layered Structures. Ferroelectrics, 2014, 472, 29-40.	0.3	0
120	Investigation of the conduction processes in PZT/Cb based multiferroics: Analysis from Jonscher's formalism. Physica Status Solidi (B): Basic Research, 2014, 251, 1020-1027.	0.7	8
121	Homodyne and heterodyne optical interferometry for frequency dependent piezoelectric displacement measurement. , 2014, , .		3
122	Photoconductivity of ZnO based granular structures. Proceedings of SPIE, 2014, , .	0.8	0
123	Optical characterization of ferroelectric PZT thin films by variable angle spectroscopic ellipsometry. Proceedings of SPIE, 2014, , .	0.8	0
124	Vibrometry analysis of electrooptical coupling near piezoelectric resonance. Proceedings of SPIE, 2014, , .	0.8	1
125	Room Temperature Ferroic Responses in PZT/Ba-ferrite Based Ceramic Composites. Ferroelectrics, 2014, 460, 117-122.	0.3	1
126	Thermal expansion behavior and polarization properties of lead-free ferroelectric potassium lithium tantalate niobate single crystals. Ceramics International, 2014, 40, 1225-1228.	2.3	8



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127	Piezoelectric and ferroelectric properties of lead-free niobium-rich potassium lithium tantalate niobate single crystals. <i>Materials Research Bulletin</i> , 2014, 49, 206-209.	2.7	12
128	Optical Transmission Spectra Study of PZN-12%PT. <i>Ferroelectrics, Letters Section</i> , 2014, 41, 67-74.	0.4	0
129	Optimization of excess Bi doping to enhance ferroic orders of spin casted BiFeO <sub>3</sub> thin film. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	55
130	Doping effect on the physical properties of bi-layered aurivillius-type structure SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> ferroelectric ceramics: SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> (SBN) aurivillius-type ferroelectric ceramics. , 2014, , .		0
131	A phenomenological model for ferroelectric domain walls and its implications for BiFeO <sub>3</sub> and PbTiO <sub>3</sub> multiferroic compounds. <i>Journal of Materials Chemistry C</i> , 2014, 2, 364-372.	2.7	17
132	Acoustic and electrical properties of 1 <sup>3</sup> connectivity bismuth sodium titanate Portland cement composites. <i>Materials Research Bulletin</i> , 2014, 60, 353-358.	2.7	7
133	Orientation dependent electro-optic properties of K <sub>0.95</sub> Li <sub>0.05</sub> Ta <sub>0.41</sub> Nb <sub>0.59</sub> O <sub>3</sub> single crystal: Experiment and simulation. <i>Journal of Applied Physics</i> , 2014, 115, 093104.	1.1	5
134	Local structure and evolution of relaxor behavior in BaTiO <sub>3</sub> Bi(Zn <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> ceramics. <i>Ceramics International</i> , 2014, 40, 14555-14562.	2.3	33
135	Multiferroic Behavior of Lead-free AlFeO <sub>3</sub> and Mn, Nb Doped Compositions. <i>Ferroelectrics</i> , 2014, 460, 108-116.	0.3	16
136	Investigation of the dielectric relaxation processes in PbZr <sub>0.65</sub> Ti <sub>0.35</sub> O <sub>3</sub> BaFe <sub>12</sub> O <sub>19</sub> multiferroic ceramic composites. <i>Materials Chemistry and Physics</i> , 2014, 148, 841-845.	2.0	0
137	Synchrotron X-ray absorption spectroscopy study of local structure transformation behavior in perovskite Ba(Ti,Zr)O <sub>3</sub> system. <i>Journal of Alloys and Compounds</i> , 2014, 616, 430-435.	2.8	23
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