# Jianguo Zhu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3705990/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 264 papers | 10,074 citations | 50170 46 h-index | 40881 93 g-index |
| 269 all docs | 269 docs citations | 269 times ranked | 4477 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Potassiumâ€“Sodium Niobate Lead-Free Piezoelectric Materials: Past, Present, and Future of Phase Boundaries. Chemical Reviews, 2015, 115, 2559-2595. | 23.0 | 1,271 |
| 2 | Recent development in lead-free perovskite piezoelectric bulk materials. Progress in Materials Science, 2018, 98, 552-624. | 16.0 | 706 |
| 3 | Giant Piezoelectricity in Potassiumâ€“Sodium Niobate Lead-Free Ceramics. Journal of the American Chemical Society, 2014, 136, 2905-2910. | 6.6 | 693 |
| 4 | Superior Piezoelectric Properties in Potassiumâ€“Sodium Niobate Leadâ€Free Ceramics. Advanced Materials, 2016, 28, 8519-8523. | 11.1 | 577 |
| 5 | The structural origin of enhanced piezoelectric performance and stability in lead free ceramics. Energy and Environmental Science, 2017, 10, 528-537. | 15.6 | 386 |
| 6 | Giant Piezoelectricity and High Curie Temperature in Nanostructured Alkali Niobate Lead-Free Piezoceramics through Phase Coexistence. Journal of the American Chemical Society, 2016, 138, 15459-15464. | 6.6 | 310 |
| 7 | Ultrahigh Performance in Lead-Free Piezoceramics Utilizing a Relaxor Slush Polar State with Multiphase Coexistence. Journal of the American Chemical Society, 2019, 141, 13987-13994. | 6.6 | 296 |
| 8 | Piezoelectric and ferroelectric properties of [Bi0.5(Na1â^'xâ^'yKxLiy)0.5]TiO3 lead-free piezoelectric ceramics. Applied Physics Letters, 2006, 88, 062901. | 1.5 | 236 |
| 9 | Practical High Piezoelectricity in Barium Titanate Ceramics Utilizing Multiphase Convergence with Broad Structural Flexibility. Journal of the American Chemical Society, 2018, 140, 15252-15260. | 6.6 | 187 |
| 10 | Effects of Kâ•Na ratio on the phase structure and electrical properties of (KxNa0.96â^'xLi0.04)(Nb0.91Ta0.05Sb0.04)O3 lead-free ceramics. Applied Physics Letters, 2007, 91, 252907. | 1.5 | 153 |
| 11 | Robust Fabrication of Hybrid Leadâ€Free Perovskite Pellets for Stable Xâ€ray Detectors with Low Detection Limit. Advanced Materials, 2020, 32, e2001981. | 11.1 | 144 |
| 12 | Compositional dependence of phase structure and electrical properties in (K0.42Na0.58)NbO3-LiSbO3 lead-free ceramics. Journal of Applied Physics, 2007, 102, 114113. | 1.1 | 114 |
| 13 | Giant d33 in (K,Na)(Nb,Sb)O3-(Bi,Na,K, Li)ZrO3 based lead-free piezoelectrics with high Tc. Applied Physics Letters, 2013, 103, . | 1.5 | 109 |
| 14 | Flexible piezoelectric ultrasonic energy harvester array for bio-implantable wireless generator. Nano Energy, 2019, 56, 216-224. | 8.2 | 105 |
| 15 | Large d33 in (K,Na)(Nb,Ta,Sb)O3-(Bi,Na,K)ZrO3 lead-free ceramics. Journal of Materials Chemistry A, 2014, 2, 4122. | 5.2 | 103 |
| 16 | High strain in (K<sub>0.40</sub>Na<sub>0.60</sub>)(Nb<sub>0.955</sub>Sb<sub>0.045</sub>)O<sub>3</sub>â€“Bi<sub>0.50</sub>Na<sub>0 ceramics with large piezoelectricity. Journal of Materials Chemistry C, 2014, 2, 8796-8803. | 2.5 | 97 |
| 17 | Construction of new morphotropic phase boundary in 0.94(K0.4â^'xNa0.6BaxNb1â^'xZrx)O3â€“0.06LiSbO3 lead-free piezoelectric ceramics. Journal of Materials Science, 2011, 46, 6871-6876. | 1.7 | 93 |
| 18 | Multi-scale thermal stability of niobate-based lead-free piezoceramics with large piezoelectricity. Journal of Materials Chemistry C, 2015, 3, 8780-8787. | 2.7 | 91 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Potassiumâ€“sodium niobate lead-free ceramics: modified strain as well as piezoelectricity. Journal of Materials Chemistry A, 2015, 3, 1868-1874. | 5.2 | 87 |
| 20 | Realizing High Comprehensive Energy Storage and Ultrahigh Hardness in Lead-Free Ceramics. ACS Applied Materials & Interfaces, 2021, 13, 28472-28483. | 4.0 | 78 |
| 21 | Effects of K content on the dielectric, piezoelectric, and ferroelectric properties of 0.95(KxNa1â^'x)NbO3â^'0.05LiSbO3 lead-free ceramics. Journal of Applied Physics, 2008, 103, . | 1.1 | 77 |
| 22 | Composition-Driven Phase Boundary and Piezoelectricity in Potassiumâ€“Sodium Niobate-Based Ceramics. ACS Applied Materials & Interfaces, 2015, 7, 20332-20341. | 4.0 | 76 |
| 23 | Identification of Phase Boundaries and Electrical Properties in Ternary Potassium-Sodium Niobate-Based Ceramics. ACS Applied Materials & Interfaces, 2016, 8, 18943-18953. | 4.0 | 75 |
| 24 | Compositionally Graded KNNâ€Based Multilayer Composite with Excellent Piezoelectric Temperature Stability. Advanced Materials, 2022, 34, e2109175. | 11.1 | 74 |
| 25 | Effect of the Addition of <scp>CaZrO<sub>3</sub></scp> and <scp>LiNbO<sub>3</sub></scp> on the Phase Transitions and Piezoelectric Properties of <scp>K<sub>0.5</sub>Na<sub>0.5</sub>NbO<sub>3</sub></scp> Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2011, 94, 4317-4322. | 1.9 | 73 |
| 26 | Microemulsion-mediated hydrothermal synthesis of ZnSe and Fe-doped ZnSe quantum dots with different luminescence characteristics. RSC Advances, 2012, 2, 8179. | 1.7 | 71 |
| 27 | Microstructure and electrical properties in W/Nb co-doped Aurivillius phase Bi 4 Ti 3 O 12 piezoelectric ceramics. Materials Research Bulletin, 2014, 59, 125-130. | 2.7 | 71 |
| 28 | New Leadâ€Free (1Ââ^'Âx)(K<sub>0.5</sub>Na<sub>0.5</sub>)NbO<sub>3</sub>â€“x(Bi<sub>0.5</sub>Na<sub>0.5</sub>)ZrO<sub>3</sub> Ceramics with High Piezoelectricity. Journal of the American Ceramic Society, 2014, 97, 688-690. | 1.9 | 71 |
| 29 | Defect Passivation in Hybrid Perovskite Solar Cells by Tailoring the Electron Density Distribution in Passivation Molecules. ACS Applied Materials & Interfaces, 2019, 11, 44233-44240. | 4.0 | 68 |
| 30 | Study of the relationships among the crystal structure, phase transition behavior and macroscopic properties of modified (K,Na)NbO 3 -based lead-free piezoceramics. Journal of the European Ceramic Society, 2018, 38, 2335-2343. | 2.8 | 66 |
| 31 | Potassiumâ€“sodium niobate lead-free piezoelectric ceramics: recent advances and perspectives. Journal of Materials Science: Materials in Electronics, 2015, 26, 9297-9308. | 1.1 | 64 |
| 32 | Strong Piezoelectricity in (1 â€“ x)(K0.4Na0.6)(Nb0.96Sb0.04)O3-xBi0.5K0.5Zr1â€“ySnyO3 Lead-Free Binary System: Identification and Role of Multiphase Coexistence. ACS Applied Materials & Interfaces, 2015, 7, 5927-5937. | 4.0 | 63 |
| 33 | Improved temperature stability of CaTiO3-modified [(K0.5Na0.5)0.96Li0.04](Nb0.91Sb0.05Ta0.04)O3 lead-free piezoelectric ceramics. Journal of Applied Physics, 2008, 104, . | 1.1 | 60 |
| 34 | New potassium-sodium niobate lead-free piezoceramic: Giant-d33 vs. sintering temperature. Journal of Applied Physics, 2014, 115, . | 1.1 | 59 |
| 35 | A new method to improve the electrical properties of KNN-based ceramics: Tailoring phase fraction. Journal of the European Ceramic Society, 2018, 38, 85-94. | 2.8 | 58 |
| 36 | Nanoscale bubble domains with polar topologies in bulk ferroelectrics. Nature Communications, 2021, 12, 3632. | 5.8 | 57 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Realizing excellent energy storage properties in Na0.5Bi0.5TiO3-based lead-free relaxor ferroelectrics. Journal of the European Ceramic Society, 2022, 42, 2221-2229. | 2.8 | 57 |
| 38 | Ultrasoundâ€Induced Wireless Energy Harvesting for Potential Retinal Electrical Stimulation Application. Advanced Functional Materials, 2019, 29, 1902522. | 7.8 | 56 |
| 39 | Enhancement of piezoelectric properties of (LiCePr)-multidoped CaBi2Nb2O9 high temperature ceramics. Materials Letters, 2013, 107, 14-16. | 1.3 | 54 |
| 40 | Facile synthesis and strongly microstructure-dependent electrochemical properties of graphene/manganese dioxide composites for supercapacitors. Nanoscale Research Letters, 2014, 9, 490. | 3.1 | 54 |
| 41 | Crystal structure, dielectric and piezoelectric properties of Ta/W codoped Bi3TiNbO9 Aurivillius phase ceramics. Current Applied Physics, 2014, 14, 1861-1866. | 1.1 | 54 |
| 42 | Energy Storage Behavior in ErBiO<sub>3</sub>-Doped (K,Na)NbO<sub>3</sub> Lead-Free Piezoelectric Ceramics. ACS Applied Electronic Materials, 2020, 2, 3717-3727. | 2.0 | 51 |
| 43 | Phase Structure and Electrical Properties of (K<sub>0.48</sub>Na<sub>0.52</sub>)(Nb<sub>0.95</sub>Ta<sub>0.05</sub>)O<sub>3</sub>â€LiSbO<sub>3</sub> Leadâ€Free Piezoelectric Ceramics. Journal of the American Ceramic Society, 2008, 91, 319-321. | 3.4 | 50 |
| 44 | Practical high strain with superior temperature stability in lead-free piezoceramics through domain engineering. Journal of Materials Chemistry A, 2018, 6, 23736-23745. | 5.2 | 50 |
| 45 | The structure and electrical properties of Ca<sub>0.6</sub>(Li<sub>0.5</sub>Bi<sub>0.5â€</sub><sub>x</sub>Pr<sub>x</sub>)<sub>0.4</sub>Bi<sub>2</sub> high‐temperature piezoelectric ceramics. Journal of the American Ceramic Society, 2020, 103, 266-278. | 3.8 | 50 |
| 46 | Enhanced piezoelectric properties in potassium-sodium niobate-based ternary ceramics. Materials and Design, 2016, 109, 609-614. | 3.3 | 49 |
| 47 | Effects of (Li, Ce, Y) co-substitution on the properties of CaBi2Nb2O9 high temperature piezoceramics. Ceramics International, 2017, 43, 5002-5006. | 2.3 | 49 |
| 48 | High piezoelectricity in (K,Na)(Nb,Sb)O3â€"(Bi,La,Na,Li)ZrO3 lead-free ceramics. Journal of Materials Science, 2016, 51, 4963-4972. | 1.7 | 46 |
| 49 | Characteristics of giant piezoelectricity around the rhombohedral-tetragonal phase boundary in (K,Na)NbO<sub>3</sub>-based ceramics with different additives. Journal of Materials Chemistry A, 2015, 3, 15951-15961. | 5.2 | 40 |
| 50 | Electrical properties of [Bi1-z(Na1-x-y-zKxLiy)]0.5BazTiO3multi-component lead-free piezoelectric ceramics. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, R89-R91. | 0.8 | 39 |
| 51 | Fabrication of a (K,Na)NbO3-based lead-free 1-3 piezocomposite for high-sensitivity ultrasonic transducers application. Journal of Applied Physics, 2019, 125, . | 1.1 | 39 |
| 52 | Enhanced piezoelectricity and temperature stability in LaFeO<sub>3</sub>â€modified KNNâ€based leadâ€free ceramics. Journal of the American Ceramic Society, 2019, 102, 6126-6136. | 1.9 | 38 |
| 53 | Temperature stability and electrical properties in Laâ€doped <scp>KNN</scp>â€based ceramics. Journal of the American Ceramic Society, 2018, 101, 4084-4094. | 1.9 | 37 |
| 54 | Phase structure, piezoelectric properties, and stability of new K0.48Na0.52NbO3â€"Bi0.5Ag0.5ZrO3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2014, 25, 3219-3225. | 1.1 | 36 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Preparation and properties of highly (100)-oriented Pb(Zr0.2Ti0.8)O3 thin film prepared by rf magnetron sputtering with a PbOx buffer layer. Journal of Applied Physics, 2007, 101, 094107. | 1.1 | 35 |
| 56 | Microstructure, dielectric, and piezoelectric properties of (Li, Ag, Ta) modified (K0.50Na0.50)NbO3 lead-free ceramics with high Curie temperature. Journal of Applied Physics, 2007, 102, . | 1.1 | 34 |
| 57 | Efficient X-ray Attenuation Lead-Free AgBi<sub>2</sub>I<sub>7</sub> Halide Rudorffite Alternative for Sensitive and Stable X-ray Detection. Journal of Physical Chemistry Letters, 2020, 11, 7939-7945. | 2.1 | 34 |
| 58 | Fabrication and mechanism exploration of oxygen-incorporated 1T-MoS2 with high adsorption performance on methylene blue. Chemical Engineering Journal, 2022, 428, 130954. | 6.6 | 34 |
| 59 | Giant piezoelectric coefficient of PNN-PZT-based relaxor piezoelectric ceramics by constructing an R-T MPB. Ceramics International, 2021, 47, 12284-12291. | 2.3 | 33 |
| 60 | (1-x)[0.90NN-0.10Bi(Mg2/3Nb1/3)O3]-x(Bi0.5Na0.5)0.7Sr0.3TiO3 ceramics with coreâ€“shell structures: A pathway for simultaneously achieving high polarization and breakdown strength. Nano Energy, 2022, 101, 107577. | 8.2 | 33 |
| 61 | Properties and structures of nonstoichiometric (K, Na)NbO<sub>3</sub>â€based leadâ€free ceramics. Journal of the American Ceramic Society, 2018, 101, 1632-1645. | 1.9 | 32 |
| 62 | High-Performance 0-3 Type Niobate-Based Lead-Free Piezoelectric Composite Ceramics with ZnO Inclusions. ACS Applied Materials & Interfaces, 2018, 10, 30566-30573. | 4.0 | 31 |
| 63 | Piezoelectric Properties of (1â^'x)(Na<sub>0.5</sub>K<sub>0.5</sub>)NbO<sub>3</sub>â€“xAgSbO<sub>3</sub> Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2009, 92, 755-757. | 3.9 | 30 |
| 64 | Lead-Free KNbO<sub>3</sub>:xZnO Composite Ceramics. ACS Applied Materials & Interfaces, 2016, 8, 30304-30311. | 4.0 | 30 |
| 65 | Progress on the doping and phase boundary design of potassiumâ€“sodium niobate lead-free ceramics. Journal of Advanced Dielectrics, 2018, 08, 1830003. | 1.5 | 30 |
| 66 | Modifying Temperature Stability of (K,Na)NbO<sub>3</sub> Ceramics through Phase Boundary. Advanced Electronic Materials, 2018, 4, 1800205. | 2.6 | 29 |
| 67 | Ion Doping Effects on the Lattice Distortion and Interlayer Mismatch of Aurivillius-Type Bismuth Titanate Compounds. Materials, 2018, 11, 821. | 1.3 | 29 |
| 68 | K/Na Ratio Dependence of the Electrical Properties of [(K<sub>x</sub>Na<sub>1â^'x</sub>)<sub>0.95</sub>Li<sub>0.05</sub>](Nb<sub>0.95</sub>Ta<sub>0.05</sub>)O< Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2008, 91, 2385-2387. | 3.9 | 28 |
| 69 | Valence-driven electrical behavior of manganese-modified bismuth ferrite thin films. Journal of Applied Physics, 2011, 109, 124118. | 1.1 | 28 |
| 70 | (00l)-Facet-Exposed Planelike ABi<sub>2</sub>Nb<sub>2</sub>O<sub>9</sub> (A = Ca, Sr, Ba) Powders with a Single-Crystal Grain for Enhancement of Photocatalytic Activity. ACS Sustainable Chemistry and Engineering, 2018, 6, 3840-3852. | 3.2 | 28 |
| 71 | Enhanced electrical properties related to structural distortion of CaBi<sub>2</sub>Nb<sub>2</sub>O<sub>9</sub>â€based piezoelectric ceramics. Journal of the American Ceramic Society, 2019, 102, 1287-1295. | 1.9 | 27 |
| 72 | Realizing the Intrinsic Anisotropic Growth of 1Tâ€² ReS<sub>2</sub> on Selected Au(101) Substrate toward Largeâ€Scale Single Crystal Fabrication. Advanced Functional Materials, 2021, 31, 2102138. | 7.8 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Phase transitions and electrical properties of (1â^'x)(K<sub>0.5</sub>Na<sub>0.5</sub>)NbO<sub>3</sub>â^'xBiScO<sub>3</sub> leadâ€free piezoelectric ceramics with a CuO sintering aid. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2622-2626. | 0.8 | 26 |
| 74 | Structure refinements and the influences of A-site vacancies on properties of Na0.5Bi2.5Nb2O9-based high temperature piezoceramics. Journal of Applied Physics, 2016, 120, . | 1.1 | 26 |
| 75 | Balanced development of piezoelectricity, Curie temperature, and temperature stability in potassiumâ€"sodium niobhrate lead-free ceramics. Journal of Materials Chemistry C, 2016, 4, 9779-9787. | 2.7 | 26 |
| 76 | Crystal distortion and electrical properties of Ceâ€doped BITâ€based piezoelectric ceramics. Journal of the American Ceramic Society, 2019, 102, 5432-5442. | 1.9 | 26 |
| 77 | Structural distortion, piezoelectric properties, and electric resistivity of A-site substituted Bi3TiNbO9-based high-temperature piezoceramics. Materials Research Bulletin, 2019, 115, 70-79. | 2.7 | 26 |
| 78 | Piezoelectric properties and thermal stability of Ca0.92(Li,Ce)0.04Bi2Nb2â^'x W x O9 high-temperature ceramics. Applied Physics A: Materials Science and Processing, 2015, 119, 337-341. | 1.1 | 25 |
| 79 | Structure and electrical properties of (0.965 â^') Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (x)(K<sub>0.48</sub>Na<sub>0. piezoelectric ceramics. RSC Advances, 2016, 6, 57210-57216. | 1.7 | 25 |
| 80 | Structural evolution of the Râ€T phase boundary in <scp>KNN</scp>â€based ceramics. Journal of the American Ceramic Society, 2018, 101, 1191-1200. | 1.9 | 25 |
| 81 | Rietveld Analysis and Electrical Properties of BiInO<sub>3</sub> Doped KNN-Based Ceramics. Inorganic Chemistry, 2019, 58, 428-438. | 1.9 | 25 |
| 82 | Influence of different lanthanide ions on the structure and properties of potassium sodium niobate based ceramics. Scripta Materialia, 2020, 177, 186-191. | 2.6 | 25 |
| 83 | Dielectric properties and impedance analysis in Aurivillius-type (Na0.25K0.25Bi0.5)1â^'x(LiCe)x/2[]x/2Bi4Ti4O15 ceramics. Journal of Alloys and Compounds, 2012, 541, 310-316. | 2.8 | 24 |
| 84 | Lead-free piezoelectric ceramics based on (0.97â€‰â^'â€‰x)K0.48Na0.52NbO3-0.03Bi0.5(Na0.7K0.2Li0.1)0.5ZrO3-xB0.5Na0.5TiO3 ternary system. Journal of Applied Physics, 2013, 114, 124107. | 1.0 | 24 |
| 85 | Green Anti-solvent Processed Efficient Flexible Perovskite Solar Cells. ACS Sustainable Chemistry and Engineering, 2019, 7, 4343-4350. | 3.2 | 24 |
| 86 | Investigation of high piezoelectric properties of KNNSb-Sr BNZ ceramics. Journal of Alloys and Compounds, 2020, 815, 152252. | 2.8 | 24 |
| 87 | The Crystalline Structure and Phaseâ€Transitional Behavior of (Li<sub>0.12</sub>Na<sub>0.88</sub>)(Nb<sub>1â^'x%</sub>Sb<sub>x%</sub>)O<sub>3</sub> Leadâ€Free Piezoelectric Ceramics with High Q<sub>m</sub>. Journal of the American Ceramic Society, 2010, 93, 2788-2794. | 1.9 | 23 |
| 88 | Evolution of structural distortion and electric properties of BTN-based high-temperature piezoelectric ceramics with tungsten substitution. Journal of Alloys and Compounds, 2019, 785, 475-483. | 2.8 | 23 |
| 89 | Solvent Free Laminated Fabrication of Lead Halide Perovskites for Sensitive and Stable X-ray Detection. Journal of Physical Chemistry Letters, 2021, 12, 6961-6966. | 2.1 | 23 |
| 90 | Microstructure, dielectric, and piezoelectric properties of 0.38Bi(Gax Sc1â€"x)O3â€"0.62PbTiO3 high temperature piezoelectric ceramics. Physica Status Solidi - Rapid Research Letters, 2008, 2, 28-30. | 1.2 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Effect of SrZrO3 on phase structure and electrical properties of 0.974(K0.5Na0.5)NbO3â€“0.026Bi0.5K0.5TiO3 lead-free ceramics. Ceramics International, 2014, 40, 2731-2735. | 2.3 | 22 |
| 92 | Properties of novel CaBi2Ta2O9-(Na0.5Bi0.5)Bi2Ta2O9 solid solution-based high Curie temperature piezoelectric ceramics. Journal of Alloys and Compounds, 2019, 794, 210-217. | 2.8 | 22 |
| 93 | High Tunability of Highly (100)â€Oriented Lead Zirconate Titanium Thin Films. Journal of the American Ceramic Society, 2008, 91, 3786-3788. | 1.9 | 21 |
| 94 | Double hysteresis loop induced by defect dipoles in ferroelectric Pb(Zr0.8Ti0.2)O3 thin films. Journal of Applied Physics, 2011, 109, 044102-044102-5. | 1.1 | 21 |
| 95 | The Controllable Synthesis of Octadecahedral BiVO<sub>4</sub> with Exposed {111} Facets. European Journal of Inorganic Chemistry, 2017, 2017, 2990-2997. | 1.0 | 21 |
| 96 | Mechanism for atmosphere dependence of laser damage morphology in HfO2/SiO2 high reflective films. Journal of Applied Physics, 2012, 112, . | 1.1 | 20 |
| 97 | Enhanced electrical properties and temperature stability of ZnF<sub>2</sub>-modified (K,Na)NbO<sub>3</sub>-based ceramics. Journal of Applied Physics, 2019, 125, 082526. | 1.1 | 20 |
| 98 | Double hysteresis loop in (Pb0.90La0.10)Ti0.975O3âˆ•Pb(Zr0.20Ti0.80)O3 bilayer thin films. Applied Physics Letters, 2007, 91, . | 1.5 | 19 |
| 99 | Piezoelectric and ferroelectric properties of [(K0.4725Na0.4725)Li0.055]NbO3â€“(Ag0.5Li0.5)TaO3lead-free ceramics. Physica Status Solidi - Rapid Research Letters, 2007, 1, 214-216. | 1.2 | 19 |
| 100 | Enhanced Piezoelectric Properties in Mnâ€Doped 0.98K<sub>0.5</sub>Na<sub>0.5</sub>NbO<sub>3</sub>â€“0.02BiScO<sub>3</sub> Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2009, 92, 1625-1628. | 1.9 | 19 |
| 101 | New crystallographic dielectric phase boundary in K<sub>0.5</sub>Na<sub>0.5</sub>NbO<sub>3</sub>â€based leadâ€free ceramics. Physica Status Solidi - Rapid Research Letters, 2011, 5, 220-222. | 1.2 | 19 |
| 102 | Microstructure and electrical properties of (Ba0.98Ca0.02)(Ti0.94Sn0.06)O3â€“x wt% ZnO lead-free piezoelectric ceramics sintered at lower temperature. Journal of Materials Science: Materials in Electronics, 2015, 26, 2323-2328. | 1.1 | 19 |
| 103 | High unipolar strain in samarium-doped potassiumâ€“sodium niobate lead-free ceramics. RSC Advances, 2015, 5, 39295-39302. | 1.7 | 19 |
| 104 | Fracture Behaviors and Ferroelastic Deformation in W/Cr Coâ€Doped Bi<sub>4</sub>Ti<sub>3</sub>O<sub>12</sub> Ceramics. Journal of the American Ceramic Society, 2016, 99, 2103-2109. | 1.9 | 19 |
| 105 | CaTiO<sub>3</sub>â€Modified (K<sub>0.50</sub>Na<sub>0.50</sub>)(Nb<sub>0.96</sub>Sb<sub>0.04</sub>)O<sub>3</sub>Leadâ€Free Piezoelectric Ceramics. Journal of the American Ceramic Society, 2008, 91, 3402-3404. | 1.9 | 18 |
| 106 | Intrinsic origin of enhanced piezoelectricity in alkali niobateâ€based leadâ€free ceramics. Journal of the American Ceramic Society, 2019, 102, 5262-5270. | 1.9 | 18 |
| 107 | Multiferroic and fatigue behavior of silicon-based bismuth ferrite sandwiched structure. Journal of Materials Chemistry, 2011, 21, 7308. | 6.7 | 17 |
| 108 | Investigation of new lead free (1â^'x)KNNSâ€“xBKZH piezo-ceramics with Râ€“Oâ€“T phase boundary. Journal of Materials Science: Materials in Electronics, 2017, 28, 8803-8809. | 1.1 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Indentation Behavior and Mechanical Properties of Tungsten/Chromium co-Doped Bismuth Titanate Ceramics Sintered at Different Temperatures. Materials, 2018, 11, 503. | 1.3 | 17 |
| 110 | Enhanced piezoelectric properties in low-temperature sintering PZN-PZT ceramics by adjusting Zr/Ti ratio. Journal of Advanced Dielectrics, 2022, 12, . | 1.5 | 17 |
| 111 | Effective anisotropy field in the free layer of patterned spin-valve resistors. Journal of Applied Physics, 2011, 109, 103904. | 1.1 | 16 |
| 112 | Effect of New Phase Boundary on the Dielectric and Piezoelectric Properties of K<sub>0.5</sub>Na<sub>0.5</sub>NbO<sub>3</sub>- xBaZrO<sub>3</sub>- yBi<sub>0.5</sub>Na<sub>0.5</sub>TiO<sub>3</sub>Lead-free Ceramics. Integrated Ferroelectrics, 2012, 139, 63-74. | 0.3 | 16 |
| 113 | New potassiumâ€“sodium niobate ternary system with large piezoelectric coefficient and high Curie temperature. Journal of Materials Science: Materials in Electronics, 2016, 27, 9812-9820. | 1.1 | 16 |
| 114 | The piezoelectric and dielectric properties of sodiumâ€“potassium niobate ceramics with new multiphase boundary. Journal of Materials Science: Materials in Electronics, 2017, 28, 18090-18098. | 1.1 | 16 |
| 115 | High mechanical quality factor and piezoelectricity in potassium sodium niobate ceramics. Ceramics International, 2022, 48, 6565-6573. | 2.3 | 16 |
| 116 | Phase, domain, and microstructures in Sr<sup>2+</sup> substituted lowâ€temperature sintering PZTâ€based relaxor ferroelectrics. Journal of the American Ceramic Society, 2021, 104, 6266-6276. | 1.9 | 15 |
| 117 | Bismuth titanate based piezoceramics: Structural evolutions and electrical behaviors at different sintering temperatures. Journal of Alloys and Compounds, 2021, 882, 160637. | 2.8 | 15 |
| 118 | Nucleation Engineering in Sprayed MA<sub>3</sub>Bi<sub>2</sub>I<sub>9</sub> Films for Direct-Conversion X-ray Detectors. Journal of Physical Chemistry Letters, 2022, 13, 371-377. | 2.1 | 15 |
| 119 | Microstructure and Electrical Properties of [(K<sub>0.50</sub>Na<sub>0.50</sub>)<sub>0.95â^'x</sub>Li<sub>0.05</sub>Ag<sub>x</sub>](Nb<sub>0.95</sub> Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2008, 91, 2772-2775. | 1.9 | 14 |
| 120 | Phase transition and piezoelectric properties of (1â^'x)(K0.42Na0.58)(Nb0.96Sb0.04)O3â€“x(Bi0.5Na0.5)0.90Mg0.10ZrO3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2014, 25, 4650-4656. | 1.1 | 14 |
| 121 | Influence of K/Na ratio on phase structure and electrical properties of 0.96 (K x Na1â^'x ) NbO3-0.04 (Bi0.5Na0.5) ZrO3 lead-free ceramics. Journal of Electroceramics, 2015, 34, 142-149. | 0.8 | 14 |
| 122 | MnO2-doped (Ca0.4,Sr0.6)Bi4Ti4O15 high-temperature piezoelectric ceramics with improved thermal stability. Journal of Materials Science, 2016, 51, 5104-5112. | 1.7 | 14 |
| 123 | Microstructure and electrical properties of (1â€“x)(K<sub>0.5</sub>Na<sub>0.5</sub>)NbO<sub>3</sub>â€“x BiFeO<sub>3</sub> piezoelectric ceramics. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1211-1214. | 0.8 | 13 |
| 124 | Microstructure and piezoelectric properties of Liâ€doped Bi<sub>0.5</sub>(Na<sub>0.825</sub>K<sub>0.175</sub>)<sub>0.5</sub>TiO<sub>3</sub> piezoelectric ceramics. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1616-1619. | 0.8 | 13 |
| 125 | A systematic analysis of the radial resonance frequency spectra of the PZT-based (Zr/Ti = 52/48) piezoceramic thin disks. Journal of Advanced Ceramics, 2020, 9, 380-392. | 8.9 | 13 |
| 126 | Critical Role of Orderâ€“Disorder Behavior in Perovskite Ferroelectric KNbO<sub>3</sub>. Inorganic Chemistry, 2021, 60, 7961-7973. | 1.9 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Crystal structure and electrical properties of Li/Mn co-doped NBT-based Aurivillius-type ceramics. Journal of Alloys and Compounds, 2021, 868, 159216. | 2.8 | 13 |
| 128 | Crystalline properties of strontium barium niobate thin films produced by pulsed-laser deposition. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1999, 79, 2869-2876. | 0.8 | 12 |
| 129 | Orientation dependence of dielectric and ferroelectric properties of Pb(Zr0.8Ti0.2)O3âˆ•Pb(Zr0.2Ti0.8)O3 multilayered thin films. Applied Physics Letters, 2007, 91, . | 1.5 | 12 |
| 130 | Phase structure and electrical properties of 0.965(K0.45Na0.55)0.95Ag0.05(Nb1âˆ’x Sb x) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td Electronics, 2015, 26, 7309-7315. | 1.1 | 12 |
| 131 | The tunable ferroelectricity and piezoelectricity of the KNN piezoceramics by Na concentrations: First-principles calculations. Journal of the European Ceramic Society, 2019, 39, 5252-5259. | 2.8 | 12 |
| 132 | The orientation of (Pb,La)TiO3 thin films grown on different substrates by multi-ion-beam reactive cosputtering technique. Ferroelectrics, 1993, 141, 327-333. | 0.3 | 11 |
| 133 | Hydrothermal Syntheses of Barium Strontium Titanate Thin Films. Materials Transactions, 2003, 44, 1320-1323. | 0.4 | 11 |
| 134 | Phase Transition, Piezoelectric Properties, and Thermal Stability of (1âˆ’xâˆ’y)BiScO<sub>3</sub>â€“yBiGaO<sub>3</sub>â€“xPbTiO<sub>3</sub> Ceramics. Journal of the American Ceramic Society, 2008, 91, 2943-2946. | 1.9 | 11 |
| 135 | Microstructure and properties of lithium and antimony modified potassium sodium niobate lead-free piezoelectric ceramics. Journal of the Ceramic Society of Japan, 2008, 116, 536-539. | 0.5 | 11 |
| 136 | Combined effects of bilayer structure and ion substitutions on bismuth ferrite thin films. Journal of Applied Physics, 2011, 109, . | 1.1 | 11 |
| 137 | Effects of (Li,Ce) on the Dielectric, Piezoelectric and Impendence Properties of CaBi<sub>4</sub>Ti<sub>4</sub>O<sub>15</sub>Piezoceramics. Ferroelectrics, 2013, 447, 69-77. | 0.3 | 11 |
| 138 | Effect of La and Co-doping on microstructure and electrical properties of BiFeO3 thin films. Science Bulletin, 2014, 59, 5205-5211. | 1.7 | 11 |
| 139 | Microstructure, electrical properties and temperature stability in Bi<sub>0.5</sub>Na<sub>0.5</sub>Zr<sub>0.95</sub>Ce<sub>0.05</sub>O<sub>3</sub> modified Râ€“T phase boundary of potassium-sodium niobium lead-free ceramics. RSC Advances, 2016, 6, 6983-6989. | 1.7 | 11 |
| 140 | Enhanced electrical properties and good thermal stability in K0.48Na0.52NbO3â€“LiNbO3â€“BiAlO3 lead-free piezoceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 8500-8509. | 1.1 | 11 |
| 141 | Impact of crystal structure and defect on the electric properties in (LiCeY)-doped CaBi2Nb2O9-based high-temperature piezoceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 5240-5248. | 1.1 | 11 |
| 142 | Ultraâ€highâ€temperature piezoelectric responses and ultraâ€high thermal stability of piezoelectricity in ceramic PbZr<sub>0.54</sub>Ti<sub>0.46</sub>O<sub>3</sub>. Journal of the American Ceramic Society, 2022, 105, 4152-4160. | 1.9 | 11 |
| 143 | Temperature Stability of Electrical Properties of (K<sub>0.5</sub>Na<sub>0.5</sub>)<sub>1âˆ’x</sub>Li<sub>x</sub>Nb<sub>0.95</sub>Sb<sub>0.05</sub>O<sub> Leadâ€Free Ceramics. International Journal of Applied Ceramic Technology, 2010, 7, E39. | 1.0 | 11 |
| 144 | Effects of CuO on the Electrical Properties of CaTiO<sub>3</sub>â€Modified [(Na<sub>0.52</sub>K<sub>0.48</sub>)<sub>0.955</sub>Li<sub>0.045</sub>](Nb<sub>0.955</sub>Sb<sub>0.045</sub>)O<sub> Leadâ€Free Piezoceramics. Journal of the American Ceramic Society, 2010, 93, 2563-2566. | 1.0 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Effect of <scp>(Bi,Gd)FeO<sub>3</sub></scp> Layer Thickness on the Microstructure and Electrical Properties of <scp>BiFeO<sub>3</sub></scp> Thin Films. Journal of the American Ceramic Society, 2011, 94, 4291-4298. | 1.9 | 10 |
| 146 | Synthesis, structural, and optical properties of core/shell ZnS:Fe/ZnS nanocrystals. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 863-867. | 0.8 | 10 |
| 147 | Effect of B-site dopants Nb, Ta and W on microstructure and electrical properties of Ca0.85(Li,) Tj ETQq1 1 0.784314 rgBT /Overlock Electronics, 2016, 27, 913-920. | 1.1 | 10 |
| 148 | High piezoelectricity of low-temperature sintered Li2CO3-added PNNâ€“PZT relaxor ferroelectrics. Journal of Materials Science: Materials in Electronics, 2022, 33, 4819-4830. | 1.1 | 10 |
| 149 | Potassium Sodium Niobate-Based Lead-Free High-Frequency Ultrasonic Transducers for Multifunctional Acoustic Tweezers. ACS Applied Materials & Interfaces, 2022, 14, 30979-30990. | 4.0 | 10 |
| 150 | Enhanced ferroelectric and dielectric properties of highly (100)-oriented 0.67Pb(Mg1/3Nb2/3)O3â€“0.33PbTiO3 thin films with a special Pb(Zr0.2,Ti0.8)O3/PbOx bilayered buffer layer. Journal of Applied Physics, 2008, 104, 086104. | 1.1 | 9 |
| 151 | Effect of bilayer structure and a SrRuO3 buffer layer on ferroelectric properties of BiFeO3 thin films. Applied Physics A: Materials Science and Processing, 2012, 109, 57-61. | 1.1 | 9 |
| 152 | Low temperature sintering of Ba0.91Ca0.09Ti0.916Sn0.084O3 lead-free piezoelectric ceramics with the additives of ZnO and MnO2. Journal of Electroceramics, 2014, 32, 175-179. | 0.8 | 9 |
| 153 | Microstructure and piezoelectric properties of lead-free 0.95(Na0.5K0.5)NbO3â€“0.05(Bi0.5K0.5)Zr1â^'x Ti x O3 ceramics. Journal of Materials Science: Materials in Electronics, 2014, 25, 1938-1941. | 1.1 | 9 |
| 154 | Properties of Lowâ€Temperature Sintering <scp>PNN</scp>â€“<scp>PMW</scp>â€“<scp>PSN</scp>â€“<scp>PZT</scp> Piezoelectric Ceramics with Ba(Cu<sub>1/2</sub>W<sub>1/2</sub>)O<sub>3</sub> Sintering Aids. International Journal of Applied Ceramic Technology, 2016, 13, 1119-1124. | 1.1 | 9 |
| 155 | Structure, electromagnetic and dielectric properties of Ti-substituted lithium--zinc ferrite. Journal of Materials Science: Materials in Electronics, 2021, 32, 8354-8365. | 1.1 | 9 |
| 156 | Polarization rotation boosts strong piezoelectric response in the lead-free perovskite ferroelectric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">K</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi>Na</mml:mi><mml:r Physical Review B, 2021, 104, . | 1.1 | 9 |
| 157 | Investigation on New Types of Semiconducting Ceramic Gas Sensors. Journal of Materials Synthesis and Processing, 1998, 6, 429-432. | 0.3 | 8 |
| 158 | Effect of Doping Ions on the Properties of KNN-Based Lead-Free Piezoelectric Ceramics. Ferroelectrics, 2010, 404, 10-18. | 0.3 | 8 |
| 159 | Piezoelectric properties of (K0.474Na0.474Li0.052)(Nb0.948Sb0.052)O3-Co2O3 lead-free ceramics. Journal of the Ceramic Society of Japan, 2011, 119, 654-657. | 0.5 | 8 |
| 160 | PHASE STRUCTURE, PIEZOELECTRIC AND MULTIFERRIOC BEHAVIOR OF <font>(K<sub>0.48</sub>Na<sub>0.52</sub>)NbO<sub>3</sub>-Co<sub>2</sub>O<sub>3</sub></font> PIEZOELECTRIC CERAMICS. Functional Materials Letters, 2011, 04, 225-229. | 0.7 | 8 |
| 161 | Microstructure and electrical properties of (Bi<sub>0.50+x</sub>Na<sub>0.50</sub>)<sub>0.94</sub>Ba<sub>0.06</sub>TiO<sub>3</sub> ceramics with bismuth nonstoichiometry. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1213-1218. | 0.8 | 8 |
| 162 | Ba<sub>0.85</sub>Ca<sub>0.15</sub>Ti<sub>0.90</sub>Zr<sub>0.10</sub>O<sub>3</sub> Lead-free Ceramics with a Sintering Aid of MnO. Integrated Ferroelectrics, 2013, 141, 89-98. | 0.3 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Effects of Mn and Pr Co-doped on Microstructural and Electrical Properties of CaBi<sub>2</sub>Nb<sub>2</sub>O<sub>9</sub>Piezoceramics. Ferroelectrics, 2014, 458, 200-207. | 0.3 | 8 |
| 164 | Saturated hysteresis loops and conduction mechanisms in Mn-doped BiFeO3 thin films derived from solâ€“gel process. Journal of Materials Science: Materials in Electronics, 2015, 26, 1719-1726. | 1.1 | 8 |
| 165 | Crystal Structure, Piezoelectric and Dielectric Properties of (Li, Ce)4+, Nb5+ and Mn2+ Co-doped CaBi4Ti4O15 High-Temperature Ceramics. Journal of Electronic Materials, 2016, 45, 3597-3602. | 1.0 | 8 |
| 166 | Electrical and Dielectric Properties of Aluminum/Niobium Co-doped CaCu<sub>3</sub>Ti<sub>4</sub>O<sub>12</sub>Ceramics. Ferroelectrics, 2016, 492, 1-9. | 0.3 | 8 |
| 167 | Ga2O3 doping and vacancy effect in KNNâ€”LT lead-free piezoceramics. Frontiers of Materials Science, 2017, 11, 344-352. | 1.1 | 8 |
| 168 | Novel rhombohedral and tetragonal phase boundary with high T C in alkali niobate ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 12851-12857. | 1.1 | 8 |
| 169 | Ferroelastic domain switching and Râ€curve behavior in lead zirconate titanate (Zr/TiÂ=Â52/48)â€based ferroelectric ceramics. Journal of the American Ceramic Society, 2020, 103, 1067-1078. | 1.9 | 8 |
| 170 | Enhanced piezoelectric properties in 0.96(K0.48Na0.52)(Nb1â^'xTax)O3â€“0.04(Bi0.5Ag0.5)ZrO3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 9525-9534. | 1.1 | 8 |
| 171 | Enhancement of Piezoelectric Properties in Low-Temperature Sintering PZNâ€“PZT Ceramics by Sr2+ Substitution. Journal of Electronic Materials, 2022, 51, 1261-1271. | 1.0 | 8 |
| 172 | Meticulously tailoring phase boundary in KNNâ€based ceramics to enhance piezoelectricity and temperature stability. Journal of the American Ceramic Society, 2022, 105, 5213-5221. | 1.9 | 8 |
| 173 | Electric-Field-Insensitive Temperature Stability of Strain in KNN Multilayer Composite Ceramics. ACS Applied Materials & Interfaces, 2022, 14, 26949-26957. | 4.0 | 8 |
| 174 | Dielectric and piezoelectric properties of (Bi<sub>0.9</sub>Li<sub>0.10</sub>)(Sc<sub>0.90</sub>Ta<sub>0.10</sub>)O<sub>3</sub>ï£¿PbTiO<sub>3</sub> highâ€temperature relaxor piezoelectric ceramics. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 199-202. | 0.8 | 7 |
| 175 | Effect of CoFe<sub>2</sub>O<sub>4</sub>Content on the Dielectric and Magnetoelectric Properties in CoFe<sub>2</sub>O<sub>4</sub>/ Pb(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)<sub>0.35</sub>Ti<sub>0.65</sub>O<sub>3</sub>Composites. Ferroelectrics, 2010, 410, 82-87. | 0.3 | 7 |
| 176 | Effect of oxygen content during sputtering on the electrical properties of bismuth ferrite thin films. Physica Status Solidi - Rapid Research Letters, 2011, 5, 190-192. | 1.2 | 7 |
| 177 | Effect of (Bi, La)(Fe, Zn)O3 thickness on the microstructure and multiferroic properties of BiFeO3 thin films. Journal of Applied Physics, 2012, 112, 094109. | 1.1 | 7 |
| 178 | Enhanced ferroelectric and dielectric properties of BiFeO3â€“PbTiO3 thin films grown via a solâ€“gel multilayer deposition method. Journal of Sol-Gel Science and Technology, 2015, 75, 353-359. | 1.1 | 7 |
| 179 | Sintering behavior, phase structure and electric properties of KNNTS-BKNZ ceramics with excessive alkali metals. Journal of Materials Science: Materials in Electronics, 2018, 29, 5337-5348. | 1.1 | 7 |
| 180 | Effect of doping on the structure, piezoelectric and electrical properties of Aurivillius type Ca0.6(Na0.5Bi0.5)0.4Bi2Nb2O9 ceramics. Journal of Materials Science: Materials in Electronics, 2018, 29, 21051-21060. | 1.1 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | An Alternative Way To Enhance Piezoelectricity and Temperature Stability in Lead-Free Sodium Niobate Piezoceramics. Inorganic Chemistry, 2018, 57, 10383-10389. | 1.9 | 7 |
| 182 | Preparation and characterization of Zn-modified CaBi4Ti4O15 piezoelectric ceramics with lower sintering temperature. Journal of Materials Science: Materials in Electronics, 2020, 31, 8805-8814. | 1.1 | 7 |
| 183 | Realization of densified microstructure and large piezoelectricity in KNN ceramics via the addition of oxide additives. Journal of Materials Science: Materials in Electronics, 2021, 32, 20211-20224. | 1.1 | 7 |
| 184 | Understanding the piezoelectric origin of bismuth layer-structured ferroelectric polycrystal using first-principle method. Journal of the European Ceramic Society, 2022, 42, 3865-3876. | 2.8 | 7 |
| 185 | Study of (Bi4â^'x La x ) Ti3O12 Powders and Ceramics Prepared by Sol-Gel Method. Journal of Materials Synthesis and Processing, 2001, 9, 369-373. | 0.3 | 6 |
| 186 | Preparation by Sol-Gel Method and Characterizations of (Bi<SUB>4-x</SUB>La<SUB>x</SUB>)Ti<SUB>3</SUB>O<SUB>12</SUB> Thin Films. Materials Transactions, 2003, 44, 1324-1327. | 0.4 | 6 |
| 187 | Microstructure and Electric Properties of (1-x)Bi(Sc<sub>0.75</sub>Zn<sub>0.125</sub>Ti<sub>0.125</sub>)O<sub>3</sub>-xPbTiO<sub>3</sub>Ceramics. Ferroelectrics, 2009, 380, 130-134. | 0.3 | 6 |
| 188 | Influence of Annealing Process on Crystalline, Microstructure, and Ferroelectric Properties of PSTT5 Thin Films. Ferroelectrics, 2009, 384, 160-165. | 0.3 | 6 |
| 189 | Effect of Sb<sup>5+</sup>on the Properties of (K<sub>0.5</sub>Na<sub>0.5</sub>)NbO<sub>3</sub>Lead-Free Piezoelectric Ceramics. Ferroelectrics, 2010, 404, 76-81. | 0.3 | 6 |
| 190 | Microstructures and Piezoelectric properties of CuO-doped (Ba0.98Ca0.02)(Ti0.94Sn0.06)O3 ceramics. Journal of Electroceramics, 2014, 33, 117-120. | 0.8 | 6 |
| 191 | Influence of Ca2Nb2O7 on the structure and electric properties of CaBi2Nb2O9-based piezoceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 10128-10137. | 1.1 | 6 |
| 192 | Highly (100)-oriented (Pb1-xLax)Ti1-x/4O3/Pb(Zr0.20Ti0.80)O3/(Pb1-xLax)Ti1-x/4O3multilayered thin films by RF magnetron sputtering. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 2362-2368. | 0.8 | 5 |
| 193 | High Transmittance of Nd-Doped YAG Transparent Ceramics Prepared by Solid-State Reaction Method. Ferroelectrics, 2010, 411, 62-68. | 0.3 | 5 |
| 194 | Effect of Sintering Parameters on Microstructure and Electrical Properties of (Ba0.98Ca0.02)(Ti0.94Sn0.06)O3Lead-Free Piezo-Ceramics. Ferroelectrics, 2015, 489, 129-134. | 0.3 | 5 |
| 195 | Microstructure and Electrical Properties of (1-x)(K<sub>0.46</sub>Na<sub>0.54</sub>)NbO<sub>3</sub>-x(Bi<sub>0.5</sub>Na<sub>0.5</sub><sub>3</sub>)(Zr<sub>0.85</sub>Piezoelectric Ceramics. Ferroelectrics, 2015, 489, 135-140. | 0.3 | 5 |
| 196 | Improving the piezoelectric properties of CBNâ€based ceramic by a Ce ion. Journal of the American Ceramic Society, 2022, 105, 6207-6216. | 1.9 | 5 |
| 197 | Realizing enhanced energy storage performances in (Bi0.5Na0.5)0.7Sr0.3TiO3-based relaxor ferroelectrics via components regulation. Ceramics International, 2022, 48, 28704-28711. | 2.3 | 5 |
| 198 | Effect of residual stress on the ferroelectric property of (Pb0.90La0.10)Ti0.975O3 thin films. Journal of Applied Physics, 2009, 105, 056107. | 1.1 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Thin film bilayers of multiferroic bismuth ferrite on Ptâ€“Si substrate. Physica Status Solidi - Rapid Research Letters, 2011, 5, 83-85. | 1.2 | 4 |
| 200 | Effects of Li on electrical properties of (K<sub>0.47</sub>Na<sub>0.53</sub>)<sub>1â^'x</sub>Li<sub>x</sub>Nb<sub>0.94</sub>Sb<sub>0.06</sub>O<sub>3</sub> leadâ€free ceramics. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2211-2214. | | |
| 201 | PREPARATION AND CHARACTERIZATION OF <font>LaFeO<sub>3</sub></font> THIN FILMS ON (100) <font>SrTiO<sub>3</sub></font> SUBSTRATES BY PULSED LASER DEPOSITION. Journal of Advanced Dielectrics, 2011, 01, 363-367. | 1.5 | 4 |
| 202 | Output Characteristics of Two-Dimensional Spin Valve Chip. IEEE Sensors Journal, 2013, 13, 4944-4947. | 2.4 | 4 |
| 203 | Influence of PNN on the structure and electronic properties of BSPT ceramics. Journal of Materials Science: Materials in Electronics, 2018, 29, 12785-12794. | 1.1 | 4 |
| 204 | Influence of co-modification with tungsten and tantalum on the crystal structure and electrical properties of bismuth titanate ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 14445-14455. | 1.1 | 4 |
| 205 | Improved Electrical Properties of Layer Structured La2Ti1.96V0.04O7 Ceramics. Journal of Electronic Materials, 2020, 49, 2584-2595. | 1.0 | 4 |
| 206 | Origin of high piezoelectricity in CBT-based Aurivillius ferroelectrics: Glide of (Bi2O2)2+ blocks and suppressed internal bias field. Acta Materialia, 2022, 237, 118146. | 3.8 | 4 |
| 207 | Orientation control and ferroelectric properties of (Pb<sub>0.90</sub>La<sub>0.10</sub>)Ti<sub>0.975</sub>O<sub>3</sub> thin films prepared by rf magnetron sputtering with a LaNiO<sub>3</sub> buffer layer. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 3526-3532. | 0.8 | 3 |
| 208 | Effect of two-steps RTA on the properties of PSTT5 thin films. , 2009, , . | | 3 |
| 209 | Preparation and charaterization of high (100) oriented PSTT5 thin flims by RF sputtering technology. , 2009, , . | | 3 |
| 210 | High permittivity 0.9Pb(Mg1/3Nb2/3)O3-0.1PbTiO3 relaxor thin films for high-value, wide-temperature capacitor applications. Journal of Applied Physics, 2012, 112, 054105. | 1.1 | 3 |
| 211 | Investigation of phase structure, microstructure, and electrical properties of LaAlO3-modified alkali niobate lead-free perovskite. Journal of Materials Science: Materials in Electronics, 2017, 28, 17761-17771. | 1.1 | 3 |
| 212 | Origin of the Enhanced Piezoelectricity of Vanadium-Doped La<sub>2</sub>Ti<sub>2</sub>O<sub>7</sub> Ceramics. Journal of Physical Chemistry C, 2021, 125, 26180-26187. | 1.5 | 3 |
| 213 | Effect of Rapid Thermal Processing on the Crystallization Properties of PbTiO3 Ferroelectric Thin Film. Materials Research Society Symposia Proceedings, 1996, 433, 419. | 0.1 | 2 |
| 214 | Preparation of beta barium borate thin films by rf magnetron sputtering. Ferroelectrics, 1996, 186, 189-192. | 0.3 | 2 |
| 215 | Influence of Sintering Temperatures on the Properties of Lithium Sodium Potassium Niobate Piezoelectric Ceramics. Materials Research Society Symposia Proceedings, 2005, 888, 1. | 0.1 | 2 |
| 216 | Preparation and Piezoelectric Properties of (Na0.52-xK0.48)Nb0.95-xTa0.05O3-xLiSbO3 Ceramics. Ferroelectrics, 2009, 385, 6108-6113. | 0.3 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Piezoelectric properties of new ternary Bi1/2(Na, Li)1/2TiO3â€“(Bi1/2K1/2)TiO3â€“Ba0.85Ca0.15Ti0.90Zr0.10O3 ceramics. Applied Physics A: Materials Science and Processing, 2012, 109, 273-277. | 1.1 | 2 |
| 218 | Microstructure and impedance analysis of CaBi<inf>4</inf>Ti<inf>4</inf>O<inf>15</inf> piezoceramics with (LiCe)-modifications. , 2012, , . | | 2 |
| 219 | Influence of (Li,Ce) Co-Doped on the Electrical Properties of Na0.5Bi2.5Nb2O9 Piezoceramics. Integrated Ferroelectrics, 2012, 140, 108-115. | 0.3 | 2 |
| 220 | Influence of the Thickness and Substrate Temperature on the Structure and Properties of Tin Oxide Films by RF Magnetron Sputtering. Ferroelectrics, 2013, 457, 111-116. | 0.3 | 2 |
| 221 | Influence of Deposition Temperature and Rate on the Surface Morphology of Sc Thin Film. Integrated Ferroelectrics, 2013, 142, 111-118. | 0.3 | 2 |
| 222 | Piezoelectric Properties of (1-x)(K<sub>0.52</sub>Na<sub>0.48</sub>)<sub>1-x</sub>Li<sub>x</sub>NbO<sub>3</sub>-x(Bi<sub>0.5</sub>Na<sub>0.5</sub>)<sub>0.9</sub>Ca<sub>0.1</sub>TiO<sub>3</sub> with Higher Curie Temperature. Integrated Ferroelectrics, 2013, 141, 82-88. | 0.3 | 2 |
| 223 | Regulate the microstructure and band gap of La2Ti2O7. Journal of Materials Science: Materials in Electronics, 2020, 31, 52-59. | 1.1 | 2 |
| 224 | Enhanced electrical properties of La1.9Nd0.1Ti2O7 ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 1853-1860. | 1.1 | 2 |
| 225 | Preparation of SBN/LSCO/MgO multilayer thin films by pulsed laser deposition. Ferroelectrics, 2001, 260, 201-206. | 0.3 | 1 |
| 226 | The Domain Structure and Pyroelectric Properties of (111) Preferred Oriented PLT Thin Films Prepared By RF Magnetron Sputtering. , 2006, , . | | 1 |
| 227 | Nanoscale banded 90Â° domain patterns in (111) oriented (Pb,La)TiO3 thin films. Journal of Applied Physics, 2006, 100, 084303. | 1.1 | 1 |
| 228 | Dielectric and pyroelectric properties of (1â€‰â^'â€‰x)PST-xPZT ferroelectric ceramics. Journal of Electroceramics, 2008, 21, 621-624. | 0.8 | 1 |
| 229 | Effects of Mg on the Microstructure and Electrical Properties of (K0.5Na0.5)NbO3-LiSbO3 Lead-free Ceramics. Ferroelectrics, 2009, 385, 6102-6107. | 0.3 | 1 |
| 230 | Effect of Y-doping on the piezoelectric properties of (1-x)BiScO<inf>3</inf>-xPbTiO<inf>3</inf> high-temperature piezoelectric ceramics. , 2009, , . | | 1 |
| 231 | Effect of different annealing methods on the properties of PSTT thin films. , 2011, , . | | 1 |
| 232 | Influence of annealing temperature on properties of Mn/Y co-doped Ba<inf>0.67</inf>Sr<inf>0.33</inf>TiO<inf>3</inf> thin film prepared by RF magnetron sputtering. , 2012, , . | | 1 |
| 233 | Characterization of Manganese Ions in Mn-substituted Ba<sub>0.67</sub>Sr<sub>0.33</sub>Mn<sub>x</sub>Ti<sub>1â^'x</sub>O<sub>3</sub>Thin Films. Ferroelectrics, 2013, 454, 129-134. | 0.3 | 1 |
| 234 | Enhancement of Properties of Mn/Y Co-doped Ba<sub>0.67</sub>Sr<sub>0.33</sub>TiO<sub>3</sub>Films on Oxide Electrode by Inserting a SrTiO<sub>3</sub>Buffer Layer. Ferroelectrics, 2014, 458, 208-213. | 0.3 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Dielectric and Ferroelectric Behaviors of (100)-Oriented 0.9Pb(Sc0.5Ta0.5)O3-0.1PbTiO3Thin Films. Ferroelectrics, 2015, 478, 157-164. | 0.3 | 1 |
| 236 | Biomedical Applications: Ultrasoundâ€Induced Wireless Energy Harvesting for Potential Retinal Electrical Stimulation Application (Adv. Funct. Mater. 33/2019). Advanced Functional Materials, 2019, 29, 1970231. | 7.8 | 1 |
| 237 | Investigation of the formation mechanism of perovskite phase in (1-x)PST-XPT ceramics prepared by one-step-sintering-method. , 0, , . | | 0 |
| 238 | Monte carlo simulation of growth of PbTiO/sub 3/ oxide thin films. , 0, , . | | 0 |
| 239 | The Properties of Ferroelectric Domain of PLT Thin Films Prepared by RF Magnetron Sputtering. Materials Research Society Symposia Proceedings, 2005, 902, 1. | 0.1 | 0 |
| 240 | The Crystalline and Dielectric Properties of 0.38(Bi1â˜'xLax)ScO3-0.62PbTiO3 Ferroelectric Ceramics. Materials Research Society Symposia Proceedings, 2005, 888, 1. | 0.1 | 0 |
| 241 | The Dielectric, Piezoelectric and Pyroelectric Properties of (1-x)PST-xPZT Relaxor Ferroelectric Ceramics. Materials Research Society Symposia Proceedings, 2005, 888, 1. | 0.1 | 0 |
| 242 | Preparation and Characterization of yBiGaO<inf>3</inf>-(1-x-y)BiScO<inf>3</inf>-xPbTiO<inf>3</inf> Piezoelectric Ceramics. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , . | 0.0 | 0 |
| 243 | Preparation and Characterization of (1-x) BiInO<inf>3</inf>-xPbTiO<inf>3</inf> ceramics. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , . | 0.0 | 0 |
| 244 | High Q<inf>m</inf> Lead Free Sodium Potassium Niobate Piezoelectric Ceramics and Middle Frequency Resonator. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , . | 0.0 | 0 |
| 245 | Crystalline and Ferroelectric Properties of 0.68BiFeO<inf>3</inf>-0.32PbTiO<inf>3</inf> Multiferroic Thin Film Prepared by Sol-Gel Method. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , . | 0.0 | 0 |
| 246 | The effect of different electrode structures on the dielectric properties of lanthanum-doped lead titanate ferroelectric thin films. Frontiers of Materials Science in China, 2007, 1, 322-325. | 0.5 | 0 |
| 247 | Preparation and characterization of sodium potassium niobate lead-free ceramics and middle frequency resonator. , 2008, , . | | 0 |
| 248 | Dielectric and piezoelectric properties of 0.15BiScO3-0.85(Pb1-3x/2Bix) (Ti0.98Mn0.02) O3 Ceramics. , 2008, , . | | 0 |
| 249 | Effect of doping concentration on the photoluminescence of Fe:ZnS nanocrystals. , 2009, , . | | 0 |
| 250 | Phase Structure and Electrical Properties of Lead-Free (K0.5 Na0.5)NbO3-YMnO3 Ceramics. Ferroelectrics, 2009, 385, 697-101. | 0.3 | 0 |
| 251 | Effect of Impurity Pinning on the Hysteresis Loop of PSTZT Ceramics. Ferroelectrics, 2009, 385, 6162-6168. | 0.3 | 0 |
| 252 | Effects of Na Content on the Phase Structure and Electrical Properties of 0.94(Na<sub>x</sub>K<sub>1) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 57 Td (â˜'x</sub>)NbO<sub>3</sub>-0.06LiNbO<s | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | Synthesis and optical properties of the Pr<sup>3+</sup>/La<sup>3+</sup> Co-doped Y<inf>2</inf>O<inf>3</inf> based transparent ceramics. , 2009, , . | | 0 |
| 254 | Aqueous synthesis of thiol-capped water-soluble Fe-doped ZnS nanocrystals. , 2010, , . | | 0 |
| 255 | Influence of Mn+Y co-doped on the intrinsic pyroelectricproperties of Ba<inf>0.67</inf>Sr<inf>0.33</inf>TiO<inf>3</inf> ceramics. , 2011, , . | | 0 |
| 256 | Influence of interface effect on the ferroelectric and ferromagnetic properties of CFO/PMNT multilayered thin films. , 2011, , . | | 0 |
| 257 | Optical Properties of 0.95BiFeO<sub>3</sub>-RTiO<sub>3</sub> (R = Mg, Pb, Ba, Ca and Sr) Thin Films. Integrated Ferroelectrics, 2012, 139, 1-6. | 0.3 | 0 |
| 258 | Structure and Electrical Properties of (1-x)[(K<sub>0.5</sub>Na<sub>0.5</sub>)<sub>0.95</sub>Li<sub>0.05</sub>](Nb<sub>0.95</sub>Sb<sub>0.05</sub>)O<su Piezoelectric Ceramics with Improved Temperature Stability. Integrated Ferroelectrics, 2012, 140, 147-154. | 0.3 | 0 |
| 259 | Rhombohedral-Orthorhombic Phase Transition Induced Enhancement on the Electrical Behavior of (K0.5Na0.5)NbO3-BiScO3-BiCoO3 Lead-free Piezoelectric Ceramics. Materials Research Society Symposia Proceedings, 2012, 1397, 90. | 0.1 | 0 |
| 260 | Microstructure and electrical properties of 0.94Bi0.51(Na1-x K x) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td ()0.50TiO3-0.06(Ba0.98C | 0.8 | 0 |
| 261 | Microstructure and electric property of (1â^'x)CaBi4Ti4O15â^'xBi4Ti3O12 ceramics with high-Curie temperature. Journal of Materials Science: Materials in Electronics, 2019, 30, 6482-6490. | 1.1 | 0 |
| 262 | Structure and dielectric relaxor behavior of Li-doped Bi(Na,K)TiO<sub>3</sub>-based piezoceramics. Ferroelectrics, 2019, 551, 32-39. | 0.3 | 0 |
| 263 | Electrical Properties of La 2â^' x Ce x Ti 2 O 7 ( x â€‰=â€‰0â€“0.1) Ceramics. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900685. | 0.8 | 0 |
| 264 | Influence of the preparation on the microstructure of (Bi1/2Na1/2)TiO3-BaTiO3 system.. Journal of Advanced Science, 2001, 13, 390-393. | 0.1 | 0 |