

Feifei Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1678412/publications.pdf>

Version: 2024-02-01

170
papers

5,356
citations

81839

39
h-index

102432

66
g-index

171
all docs

171
docs citations

171
times ranked

3857
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Excellent ferroelectric and pyroelectric performance of rhombohedral Mn-doped PIMNT thin films with (111) orientation. <i>Journal of the American Ceramic Society</i> , 2022, 105, 327. | 1.9 | 6 |
| 2 | Enhanced Electromechanical Response in PVDF-BNBT Composite Nanofibers for Flexible Sensor Applications. <i>Materials</i> , 2022, 15, 1769. | 1.3 | 3 |
| 3 | Pressure-induced Superconductivity in HgTe Single-Crystal Film. <i>Advanced Science</i> , 2022, 9, e2200590. | 5.6 | 6 |
| 4 | Robust Flexo-Catalysis in Centrosymmetric Nanoparticles. <i>Advanced Materials Technologies</i> , 2022, 7, . | 3.0 | 6 |
| 5 | Micron-thick ternary relaxor $0.36\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-}0.36\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}0.28\text{PbTiO}_3$ thin films with superior pyroelectric response on Si substrate. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, . | 1.1 | 0 |
| 6 | Polarization Rotation Control Domain Dynamic Response Modulates Piezoelectric Properties of Lead-Free Thin Films. <i>Advanced Electronic Materials</i> , 2022, 8, . | 2.6 | 1 |
| 7 | Bandgap-engineered ferroelectric single-crystalline NBT-BT based nanocomposites with excellent visible light-ultrasound catalytic performance. <i>Chemosphere</i> , 2022, 306, 135543. | 4.2 | 7 |
| 8 | Compensated pyroelectric infrared detector based on Mn-doped PIMNT single crystal with enhanced signal stability. <i>Journal of the American Ceramic Society</i> , 2021, 104, 995-1001. | 1.9 | 2 |
| 9 | Microstructure, electrical and optical properties of NBT-xBZT lead-free single crystals. <i>Journal of Alloys and Compounds</i> , 2021, 861, 157949. | 2.8 | 2 |
| 10 | Significantly Improvement of Comprehensive Energy Storage Performances with Lead-free Relaxor Ferroelectric Ceramics for High-temperature Capacitors Applications. <i>Acta Materialia</i> , 2021, 203, 116484. | 3.8 | 149 |
| 11 | Growth and electrical properties of high-Curie point rhombohedral Mn-Pb(In 1/2 Nb 1/2)O 3 -Pb(Mg 1/3 Nb) Tj ETQq1 1,0.784314 | 1.9 | 10 |
| 12 | Efficiently harvesting the ultrasonic vibration energy of two-dimensional graphitic carbon nitride for piezocatalytic degradation of dichlorophenols. <i>Environmental Science: Nano</i> , 2021, 8, 1398-1407. | 2.2 | 42 |
| 13 | Fabrication and high acoustic performance of high frequency needle ultrasound transducer with PMN-PT/Epoxy 1-3 piezoelectric composite prepared by dice and fill method. <i>Sensors and Actuators A: Physical</i> , 2021, 318, 112528. | 2.0 | 23 |
| 14 | Direct observation of nanoscale dynamics of ferroelectric degradation. <i>Nature Communications</i> , 2021, 12, 2095. | 5.8 | 30 |
| 15 | Highly-efficient piezocatalytic performance of nanocrystalline BaTi0.89Sn0.11O3 catalyst with Tc near room temperature. <i>Nano Energy</i> , 2021, 85, 106028. | 8.2 | 56 |
| 16 | Visible/near-infrared light absorbed nano-ferroelectric for efficient photo-piezocatalytic water splitting and pollutants degradation. <i>Journal of Hazardous Materials</i> , 2021, 416, 125808. | 6.5 | 27 |
| 17 | BiOBr Micro-Nanosheets: Controllable Synthesis and Piezoelectric and Photoelectric Properties. <i>Crystal Growth and Design</i> , 2021, 21, 7179-7185. | 1.4 | 6 |
| 18 | Improved depolarization temperature via the ordered alignment of defect dipoles in (Na0.5Bi0.5)TiO3-BaTiO3 ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 689-698. | 2.8 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Optical dispersion and bandgap of pure and Mn-doped $0.92\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3 \sim 0.08\text{K}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ lead-free single crystals. <i>Journal of the American Ceramic Society</i> , 2020, 103, 1241-1247. | | 10 |
| 20 | Magneto-electro-optical multifunctional coupling effect in lead-free $\text{BaTiO}_3(\text{Yb/Er})\text{-CoFe}_2\text{O}_4$ ceramics. <i>Scripta Materialia</i> , 2020, 177, 172-175. | 2.6 | 19 |
| 21 | Theoretical analysis of high electromechanical coupling surface acoustic wave propagating on lead-free $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3 \sim \text{BaTiO}_3$ single crystal. <i>Scripta Materialia</i> , 2020, 178, 372-375. | 2.6 | 4 |
| 22 | Harvesting vibration energy to piezo-catalytically generate hydrogen through Bi_2WO_6 layered-perovskite. <i>Nano Energy</i> , 2020, 78, 105351. | 8.2 | 99 |
| 23 | Giant tuning of ferroelectricity in single crystals by thickness engineering. <i>Science Advances</i> , 2020, 6, . | 4.7 | 38 |
| 24 | High piezoelectricity and stable output in BaHfO_3 and $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{ZrO}_3$ modified $(\text{K}_{0.5}\text{Na}_{0.5})(\text{Nb}_{0.96}\text{Sb}_{0.04})\text{O}_3$ textured ceramics. <i>Acta Materialia</i> , 2020, 199, 542-550. | 3.8 | 36 |
| 25 | Three-dimensional nonlinear photonic crystal in naturally grown potassium-tantalate niobate perovskite ferroelectrics. <i>Light: Science and Applications</i> , 2020, 9, 193. | 7.7 | 22 |
| 26 | Piezoelectric and pyroelectric properties of Mn-doped $0.36\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3 \sim 0.36\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3 \sim 0.28\text{PbTiO}_3$ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 14426-14433. | 1.1 | 4 |
| 27 | Piezo-catalysis for nondestructive tooth whitening. <i>Nature Communications</i> , 2020, 11, 1328. | 5.8 | 236 |
| 28 | Improving electromechanical properties in KNANS-BNZ ceramics by the synergy between phase structure modification and grain orientation. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6149-6158. | 2.7 | 14 |
| 29 | Local-structure evidence for a phase transition in a lead-free single crystal of $(\text{Na}_{1/2}\text{Bi}_{1/2})\text{TiO}_3 \sim 0.06\text{BaTiO}_3$ by absorption fine-structure spectroscopy with synchrotron x-ray radiation. <i>Physical Review B</i> , 2020, 101, . | 1.1 | 3 |
| 30 | Ferroelectric and piezoelectric response in (100)-oriented Mn-doped $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3 \sim \text{BaTiO}_3$ thin films. <i>Journal of Materials Science</i> , 2020, 55, 8088-8094. | 1.7 | 4 |
| 31 | Effect of Mn-doping on optical properties of lead-free $(\text{K}_{0.4}\text{Na}_{0.6})\text{NbO}_3$ ferroelectric single crystals. <i>Journal of the European Ceramic Society</i> , 2020, 40, 2917-2921. | 2.8 | 9 |
| 32 | Optimizing the piezoelectric vibration of $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}0.25\text{PbTiO}_3$ single crystal by alternating current polarization for ultrasonic transducer. <i>Applied Physics Letters</i> , 2020, 116, . | 1.5 | 23 |
| 33 | High energy storage performance in lead-free $\text{BiFeO}_3\text{-BaTiO}_3$ ferroelectric thin film fabricated by pulsed laser deposition. <i>AIP Advances</i> , 2019, 9, . | 0.6 | 13 |
| 34 | Temperature-Dependence of Static Magnetic Properties of FeGa Thin Film Fabricated by Pulsed Laser Deposition. <i>Physics of Metals and Metallography</i> , 2019, 120, 626-631. | 0.3 | 2 |
| 35 | Synergetic photocatalysis/piezocatalysis of bismuth oxybromide for degradation of organic pollutants. <i>Journal of Alloys and Compounds</i> , 2019, 809, 151840. | 2.8 | 160 |
| 36 | Phase transition, domain structure and electrical properties of Mn-doped $0.3 \sim \text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-}0.4 \sim \text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}0.3\text{PbTiO}_3$ crystals. <i>Materials Chemistry and Physics</i> , 2019, 238, 121890. | | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Temperature Dependence of Electrical Properties and Phase Transition Characteristics of [001]-Oriented Rhombohedral Mn _{0.15} Pb _{0.55} PMN _{0.30} PT Single Crystal. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900457. | 0.8 | 2 |
| 38 | Giant tunability of upconversion photoluminescence in Er ³⁺ -doped (K, Tj)ETQqO _{0.0} rgBT /Overlock 10 Tf 50 702 Td (Na)N | 2.8 | 20 |
| 39 | Investigations on the electrical properties, domain structure, and local piezoelectric response in 0.3Pb(In _{1/2} Nb _{1/2}) _{0.4} Pb(Mg _{1/3} Nb _{2/3}) _{0.3} PbTiO ₃ single crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1. | 1.1 | 3 |
| 40 | Improved Piezoelectric Sensing Performance of P(VDF-TrFE) Nanofibers by Utilizing BTO Nanoparticles and Penetrated Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7379-7386. | 4.0 | 100 |
| 41 | Room-Temperature Reversible and Nonvolatile Tunability of Electrical Properties of Cr-Doped In ₂ O ₃ Semiconductor Thin Films Gated by Ferroelectric Single Crystal and Ionic Liquid. <i>Advanced Electronic Materials</i> , 2019, 5, 1900212. | 2.6 | 8 |
| 42 | Harvesting the Vibration Energy of BiFeO ₃ Nanosheets for Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11779-11784. | 7.2 | 277 |
| 43 | Harvesting the Vibration Energy of BiFeO ₃ Nanosheets for Hydrogen Evolution. <i>Angewandte Chemie</i> , 2019, 131, 11905-11910. | 1.6 | 75 |
| 44 | Structures and pyroelectric properties for [111]-oriented Mn-doped rhombohedral 0.36Pb _{0.36} PMN _{0.28} PT crystal. <i>Journal of the American Ceramic Society</i> , 2019, 102, 7329-7335. | 1.9 | 11 |
| 45 | Influence of oxygen pressure on the electrical properties of Mn-doped Bi _{0.5} Na _{0.5} Ti _{0.3} BaTiO ₃ thin films by pulsed laser deposition. <i>Ceramics International</i> , 2019, 45, 13518-13522. | 2.3 | 6 |
| 46 | In-situ electric field induced nanoscale BO ₆ octahedral tilting in lead-free Fe-doped 0.95(Na _{1/2} Bi _{1/2})TiO ₃ -0.05BaTiO ₃ single crystal. <i>Scripta Materialia</i> , 2019, 165, 94-97. | 2.6 | 1 |
| 47 | Nonvolatile and Reversible Ferroelectric Control of Electronic Properties of Bi ₂ Te ₃ Topological Insulator Thin Films Grown on Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ Single Crystals. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9548-9556. | 4.0 | 15 |
| 48 | Dielectric functions and phase transitions of MgO modified Pb _{0.99} (Zr _{0.95} Ti _{0.05}) _{0.98} Nb _{0.02} O ₃ ceramics revealed by spectroscopic ellipsometry. <i>Materials Letters</i> , 2019, 244, 18-21. | 1.3 | 2 |
| 49 | Grain size dependent physical properties in lead-free multifunctional piezoceramics: A case study of NBT-xST system. <i>Acta Materialia</i> , 2019, 164, 12-24. | 3.8 | 98 |
| 50 | Large and temperature-insensitive piezoelectric strain in xBiFeO ₃ (1-x)Ba(Zr _{0.05} Ti _{0.95})O ₃ lead-free piezoelectric ceramics. <i>Journal of Materials Science</i> , 2019, 54, 1153-1161. | 1.7 | 19 |
| 51 | Optical properties of Mn-doped 0.15Pb(In _{1/2} Nb _{1/2}) _{0.57} Pb(Mg _{1/3} Nb _{2/3}) _{0.3} PbTiO ₃ single crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1. | 1.1 | 6 |
| 52 | Stress-induced reversible and irreversible ferroelectric domain switching. <i>Applied Physics Letters</i> , 2018, 112, . | 1.5 | 15 |
| 53 | Growth and electrical properties of epitaxial 0.7Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.3PbTiO ₃ thin film by pulsed laser deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 6779-6784. | 1.1 | 6 |
| 54 | Giant electrostrain accompanying structural evolution in lead-free NBT-based piezoceramics. <i>Journal of Materials Chemistry C</i> , 2018, 6, 814-822. | 2.7 | 68 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Structure and Magnetic Properties of Magnetostrictive FeGa Film on Single-Crystal (100) GaAs and (001) Si Substrate Fabricated by Pulsed Laser Deposition. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 623-628. | 1.5 | 8 |
| 56 | Piezoelectric performance enhancement of Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.25PbTiO ₃ crystals by alternating current polarization for ultrasonic transducer. <i>Applied Physics Letters</i> , 2018, 112, . | 1.5 | 79 |
| 57 | Strong strain modulation on magneto-resistance of La _{0.85} Sr _{0.15} MnO ₃ film via converse piezoelectric effect. <i>Journal of Alloys and Compounds</i> , 2018, 752, 402-406. | 2.8 | 5 |
| 58 | Large enhancement of upconversion luminescence in Er ³⁺ /In ³⁺ :Ba _{0.85} Ca _{0.15} TiO ₃ lead-free piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 9007-9015. | 1.1 | 5 |
| 59 | Electric-regulated enhanced in-plane uniaxial anisotropy in FeGa/PMN/PT composite using oblique pulsed laser deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1. | 1.1 | 8 |
| 60 | Piezoelectric/photoluminescence effect in one-dimensional lead-free nanofibers. <i>Scripta Materialia</i> , 2018, 145, 81-84. | 2.6 | 9 |
| 61 | Pyroelectric properties of Mn-doped Aurivillius ceramics with different pseudo-perovskite layers. <i>Journal of the American Ceramic Society</i> , 2018, 101, 1592-1597. | 1.9 | 13 |
| 62 | 0-3 type magnetoelectric 0.94Na _{0.5} Bi _{0.5} TiO ₃ -0.06BaTiO ₃ :CoFe ₂ O ₄ composite ceramics with a deferred thermal depolarization. <i>Journal of the European Ceramic Society</i> , 2018, 38, 1407-1415. | 2.8 | 28 |
| 63 | Balanced development of piezoelectricity and Curie temperature in (1-x)K _{0.44} Na _{0.52} Li _{0.04} Nb _{0.96} Sb _{0.04} O ₃ -xBi _{0.25} Na _{0.25} Ba _{0.5} ZrO ₃ lead-free piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 1341-1348. | 1.1 | 3 |
| 64 | Excellent structural, optical, and electrical properties of Nd-doped BaSnO ₃ transparent thin films. <i>Applied Physics Letters</i> , 2018, 113, . | 1.5 | 19 |
| 65 | Phonon behaviors and dielectric functions in Bi _{0.5} Na _{0.5} TiO ₃ -based ceramics by Raman scattering and optical ellipsometry. <i>Journal of the American Ceramic Society</i> , 2018, 102, 2791. | 1.9 | 11 |
| 66 | Strong piezo-electro-chemical effect of piezoelectric BaTiO ₃ nanofibers for vibration-catalysis. <i>Journal of Alloys and Compounds</i> , 2018, 762, 915-921. | 2.8 | 146 |
| 67 | Piezoelectrically/pyroelectrically-driven vibration/cold-hot energy harvesting for mechano-/pyro-bi-catalytic dye decomposition of NaNbO ₃ nanofibers. <i>Nano Energy</i> , 2018, 52, 351-359. | 8.2 | 151 |
| 68 | Room-temperature pyro-catalytic hydrogen generation of 2D few-layer black phosphorene under cold-hot alternation. <i>Nature Communications</i> , 2018, 9, 2889. | 5.8 | 125 |
| 69 | Enhanced pyroelectric properties and thermal stability of Mn-doped 0.29Pb(In _{1/2} Nb _{1/2})O ₃ -0.29Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.42PbTiO ₃ single crystals. <i>Applied Physics Letters</i> , 2018, 112, 1.5 172901. | 1.5 | 22 |
| 70 | Microscopic Insight into Electric Fatigue Resistance and Thermally Stable Piezoelectric Properties of (K,Na)NbO ₃ -Based Ceramics. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28772-28779. | 4.0 | 71 |
| 71 | Enhanced pyroelectric and piezoelectric responses in W/Mn-codoped Bi ₄ Ti ₃ O ₁₂ Aurivillius ceramics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 5348-5353. | 2.8 | 54 |
| 72 | Pyro-catalytic hydrogen evolution by Ba _{0.7} Sr _{0.3} TiO ₃ nanoparticles: harvesting cold-hot alternation energy near room-temperature. <i>Energy and Environmental Science</i> , 2018, 11, 2198-2207. | 15.6 | 157 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Electric-field-induced local distortion and large electrostrictive effects in lead-free NBT-based relaxor ferroelectrics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 4631-4639. | 2.8 | 49 |
| 74 | Strain-mediated electric-field manipulation of superconducting properties of FeSe _{0.5} Te _{0.5} thin films grown on piezoelectric single crystals. <i>Thin Solid Films</i> , 2018, 660, 171-174. | 0.8 | 4 |
| 75 | Facilitation of Ferroelectric Switching via Mechanical Manipulation of Hierarchical Nanoscale Domain Structures. <i>Physical Review Letters</i> , 2017, 118, 017601. | 2.9 | 41 |
| 76 | Morphology control and large piezoresponse of hydrothermally synthesized lead-free piezoelectric (Bi _{0.5} Na _{0.5})TiO ₃ nanofibres. <i>RSC Advances</i> , 2017, 7, 15020-15026. | 1.7 | 31 |
| 77 | Effects of zirconium doping on the structural, dielectric, ferroelectric, piezoelectric, and magnetic properties of lead-free 0.67BiFe _{0.97} Ga _{0.03} O ₃ â€“0.33BaTi _{1-x} Zr _x O ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10212-10217. | 1.1 | 1 |
| 78 | Giant In ³⁺ doping-induced enhancement of the upconversion luminescence of Ba _{0.85} Ca _{0.15} TiO ₃ :Er ³⁺ /Yb ³⁺ lead-free ferroelectric ceramics. <i>Materials Letters</i> , 2017, 188, 364-367. | 1.3 | 7 |
| 79 | Enhancing magnetoelectric properties of 3 particulate composite ceramics by introducing nano-sized sintering aids via self-combustion method. <i>Current Applied Physics</i> , 2017, 17, 1249-1253. | 1.1 | 5 |
| 80 | Lattice evolution and enhanced piezoelectric properties of hydrothermally synthesised 0.94(Bi _{0.5} Na _{0.5})TiO ₃ â€“0.06BaTiO ₃ nanofibers. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10976-10984. | 2.7 | 21 |
| 81 | Electric-field control of electronic transport properties and enhanced magnetoresistance in La _{0.7} Sr _{0.3} MnO ₃ /0.5BaZr _{0.2} Ti _{0.8} O ₃ -0.5Ba _{0.7} Ca _{0.3} TiO ₃ lead-free multiferroic structures. <i>Journal of Applied Physics</i> , 2017, 122, . | 1.1 | 5 |
| 82 | Design and fabrication of high frequency ultrasonic transducer based on lead-free Mn-doped (K _{0.44} Na _{0.56})NbO ₃ single crystal. <i>Sensors and Actuators A: Physical</i> , 2017, 267, 182-186. | 2.0 | 9 |
| 83 | A high-performance flexible piezoelectric energy harvester based on lead-free (Na _{0.5} Bi _{0.5})TiO ₃ â€“BaTiO ₃ piezoelectric nanofibers. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23634-23640. | 5.2 | 48 |
| 84 | Nanoscale insight into the giant piezoelectric response in lead-free Fe-doped 0.95(Na _{1/2} Bi _{1/2})TiO ₃ -0.05BaTiO ₃ single crystal. <i>Applied Physics Letters</i> , 2017, 111, . | 1.5 | 17 |
| 85 | High frequency transducer for vessel imaging based on lead-free Mn-doped (K _{0.44} Na _{0.56})NbO ₃ single crystal. <i>Applied Physics Letters</i> , 2017, 111, . | 1.5 | 28 |
| 86 | Dielectric performance controlled by magnetic field in PZT-BFO gradient multiferroic ceramics. <i>Ferroelectrics</i> , 2017, 514, 158-164. | 0.3 | 5 |
| 87 | In situ reversible tuning of photoluminescence of an epitaxial thin film via piezoelectric strain induced by a Pb(Mg _{1/3} Nb _{2/3})O ₃ â€“PbTiO ₃ single crystal. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9115-9120. | 2.7 | 33 |
| 88 | Decreasing sintering temperature for BCZT lead-free ceramics prepared via hydrothermal route. <i>Functional Materials Letters</i> , 2017, 10, 1750046. | 0.7 | 20 |
| 89 | Kinetics of Domain Switching by Mechanical and Electrical Stimulation in Relaxor-Based Ferroelectrics. <i>Physical Review Applied</i> , 2017, 8, . | 1.5 | 11 |
| 90 | Nanoscale insight into the domain structures of high Curie point Pb(In _{1/2} Nb _{1/2})O ₃ -PbTiO ₃ single crystal. <i>Journal of Alloys and Compounds</i> , 2017, 696, 166-170. | 2.8 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Note: High-power piezoelectric transformer fabricated with ternary relaxor ferroelectric Pb(Mg _{1/3} Nb _{2/3})O ₃ â€“Pb(In _{1/2} Nb _{1/2})O ₃ â€“PbTiO ₃ single crystal. Review of Scientific Instruments, 2016, 87, 036105. | 0.6 | 4 |
| 92 | Self-vibration cancellation of a novel bi-directional magnetized NdFeB/magnetostrictive/piezoelectric laminate. Review of Scientific Instruments, 2016, 87, 063904. | 0.6 | 5 |
| 93 | Giant magnetoimpedance effect in Fe _{75.5} Cu ₁ Nb ₃ Si _{13.5} B ₇ ribbon/FeGa film composite. Journal of Magnetism and Magnetic Materials, 2016, 417, 37-41. | 1.0 | 13 |
| 94 | Composition, electric-field and temperature induced domain evolution in lead-free Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ -SrTiO ₃ solid solutions by piezoresponse force microscopy. Scripta Materialia, 2016, 123, 64-68. | 2.6 | 30 |
| 95 | An effective method to detect the Curie transition of Er ³⁺ /Yb ³⁺ co-doped BaTiO ₃ ceramics by up-conversion photoluminescence intensity ratio. Journal Physics D: Applied Physics, 2016, 49, 265303. | 1.3 | 15 |
| 96 | Dielectric and ferroelectric properties of (111) preferred oriented PbZr _{0.53} Ti _{0.47} O ₃ /Pb(Mg _{1/3} Nb _{2/3}) _{0.62} Ti _{0.38} O ₃ /PbZr _{0.53} Ti _{0.47} O ₃ trilayered films. Applied Surface Science, 2016, 371, 160-163. | 3.1 | 9 |
| 97 | Dramatic influence of Dy ³⁺ doping on strain and domain structure in lead-free piezoelectric 0.935(Na _{1/2} Bi _{1/2})TiO ₃ âˆ“0.065BaTiO ₃ ceramics. AIP Advances, 2015, 5, 127118. | 0.6 | 2 |
| 98 | Strong correlation of the electrical properties, up-conversion photoluminescence, and phase structure in Er ³⁺ /Yb ³⁺ co-doped (1âˆ“x)K _{0.5} Na _{0.5} NbO ₃ -xLiNbO ₃ ceramics. Applied Physics Letters, 2015, 107, . | 1.5 | 33 |
| 99 | Magnetic and Electrical Properties of Zr-rich (1-x)PZT+xBiFeO ₃ Ceramics. Ferroelectrics, 2015, 489, 27-34. | 0.3 | 4 |
| 100 | Electric Field-Induced Giant Strain and Photoluminescence-Enhancement Effect in Rare-Earth Modified Lead-Free Piezoelectric Ceramics. ACS Applied Materials & Interfaces, 2015, 7, 5066-5075. | 4.0 | 133 |
| 101 | Influence of the composition-induced structure evolution on the electrocaloric effect in Bi _{0.5} Na _{0.5} TiO ₃ -based solid solution. Ceramics International, 2015, 41, 5888-5893. | 2.3 | 20 |
| 102 | An intuitive method to probe phase structure by upconversion photoluminescence of Er ³⁺ doped in ferroelectric Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ . Applied Physics Letters, 2015, 106, . | 1.5 | 44 |
| 103 | BaTiO ₃ /PVDF-g-PSSA composite proton exchange membranes for vanadium redox flow battery. Ceramics International, 2015, 41, S758-S762. | 2.3 | 14 |
| 104 | High quality barium titanate nanofibers for flexible piezoelectric device applications. Sensors and Actuators A: Physical, 2015, 233, 195-201. | 2.0 | 68 |
| 105 | Controllable synthesis and upconversion luminescence of NaYF ₄ :Yb ³⁺ , Er ³⁺ nanocrystals. Ceramics International, 2015, 41, S713-S718. | 2.3 | 12 |
| 106 | Relationship between Dielectric Property and Shrinkage in Ferroelectric KNN-based Ceramics. Ferroelectrics, 2014, 458, 146-151. | 0.3 | 1 |
| 107 | UV-visible Spectra and Conductive Property of Mn-doped BaTiO ₃ and Ba _{0.93} Sr _{0.07} TiO ₃ Ceramics. Ferroelectrics, 2014, 458, 64-69. | 0.3 | 10 |
| 108 | Theoretical studies of the lithium atom on the silicon carbide nanotubes. Journal of Nanoparticle Research, 2014, 16, 1. | 0.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Melting of icosahedral nickel clusters under hydrostatic pressure. <i>Journal of Computational Chemistry</i> , 2014, 35, 2231-2238. | 1.5 | 8 |
| 110 | Band structure engineering of CdSe nanosheet by strain: A first-principles study. <i>Chemical Physics Letters</i> , 2014, 595-596, 91-96. | 1.2 | 5 |
| 111 | Growth and electric properties of (100)-oriented Mn-doped (Bi _{0.5} Na _{0.5})TiO ₃ -BaTiO ₃ thin film by pulsed laser deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 1375-1379. | 1.1 | 2 |
| 112 | Strain effect on the electronic and optical properties of CdSe nanosheet. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 952-957. | 0.8 | 7 |
| 113 | Ferroelectric, dielectric properties and large strain response in Zr-modified (Bi _{0.5} Na _{0.5})TiO ₃ -BaTiO ₃ lead-free ceramics. <i>Ceramics International</i> , 2014, 40, 6143-6150. | 2.3 | 34 |
| 114 | Large Strain Response and Fatigue-Resistant Behavior in Ternary Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ -Bi(Zn _{0.5} Ti _{0.5})O ₃ Solid Solutions. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3615-3623. | 1.9 | 43 |
| 115 | Ferroelectric and dielectric properties of La _{0.6} Sr _{0.4} CoO ₃ -buffered 0.7Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.3PbTiO ₃ thin film by pulsed laser deposition. <i>Journal of Alloys and Compounds</i> , 2014, 588, 290-293. | 2.8 | 6 |
| 116 | Bipolar fatigue-resistant behavior in ternary Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ -SrTiO ₃ solid solutions. <i>Scripta Materialia</i> , 2014, 83, 25-28. | 2.6 | 64 |
| 117 | Influence of B-site complex-ion substitution on the structure and electrical properties in Bi _{0.5} Na _{0.5} TiO ₃ -based lead-free solid solutions. <i>Journal of Alloys and Compounds</i> , 2014, 585, 185-191. | 2.8 | 56 |
| 118 | Piezoelectric/photoluminescence effects in rare-earth doped lead-free ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 113, 231-236. | 1.1 | 18 |
| 119 | Enhanced ferroelectric and dielectric properties in (La _{0.7} Ca _{0.3})MnO ₃ -buffered (Bi _{0.5} Na _{0.5})TiO ₃ -based lead-free thin film by pulsed laser deposition. <i>Journal of Alloys and Compounds</i> , 2013, 553, 142-145. | 2.8 | 23 |
| 120 | Colossal electroresistance and magnetoresistance effect in polycrystalline perovskite cobaltites Nd _{1-x} Sr _x CoO ₃ (x=0.1, 0.2, 0.3). <i>Materials Research Bulletin</i> , 2013, 48, 1088-1092. | 2.7 | 14 |
| 121 | Enhanced ferroelectric and piezoelectric response in Mn-doped Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ lead-free film by pulsed laser deposition. <i>Applied Surface Science</i> , 2013, 283, 348-351. | 3.1 | 26 |
| 122 | Large electrostrictive effect in ternary Bi _{0.5} Na _{0.5} TiO ₃ -based solid solutions. <i>Journal of Applied Physics</i> , 2013, 114, . | 1.1 | 45 |
| 123 | Composition induced structure evolution and large strain response in ternary Bi _{0.5} Na _{0.5} TiO ₃ -Bi _{0.5} K _{0.5} TiO ₃ -SrTiO ₃ solid solution. <i>Journal of Applied Physics</i> , 2013, 114, 164105. | 1.1 | 46 |
| 124 | Low-temperature Processing of High-performance 0.74Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.26PbTiO ₃ Thin Films on La _{0.6} Sr _{0.4} CoO ₃ -Buffered Si Substrates for Pyroelectric Arrays Applications. <i>Journal of the American Ceramic Society</i> , 2012, 95, 1367-1371. | 1.9 | 14 |
| 125 | Improved dielectric and electrical insulating properties in Pb(Mg _{1/3} Nb _{2/3}) _{0.62} Ti _{0.38} O ₃ based multilayer ferroelectric thin films. <i>Thin Solid Films</i> , 2012, 522, 457-462. | 0.8 | 5 |
| 126 | Ferroelectric and dielectric properties of 0.62Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.38PbTiO ₃ thin films on La _{0.6} Sr _{0.4} CoO ₃ buffered Si substrates. <i>Journal of Alloys and Compounds</i> , 2012, 529, 44-48. | 2.8 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Optical and photoluminescence properties of BiFeO ₃ thin films grown on ITO-coated glass substrates by chemical solution deposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 1456-1460. | 0.8 | 36 |
| 128 | Large Strain Response in the Ternary Bi _{0.5} Na _{0.5} TiO ₃ Solid Solutions. <i>Journal of the American Ceramic Society</i> , 2012, 95, 1955-1959. | 1.7 | 13 |
| 129 | Composition and temperature-induced structure evolution in Bi _{0.5} Na _{0.5} TiO ₃ -based solid solutions. <i>Journal of Materials Science</i> , 2012, 47, 282-288. | 1.7 | 9 |
| 130 | Phase transition and electrical properties in the Li-modified Bi _{0.5} Na _{0.5} TiO ₃ -based lead-free ceramics. <i>Journal of Materials Science</i> , 2012, 47, 2352-2358. | 1.7 | 9 |
| 131 | Microstructures and optical properties of relaxor ferroelectric 0.74Pb(Mg _{1/3} Nb _{2/3}) _{0.26} TiO ₃ single crystal. <i>Journal of Infrared and Millimeter Waves</i> , 2012, 31, 289-293. | 0.2 | 0 |
| 132 | Full tensorial elastic, piezoelectric, and dielectric properties characterization of [011]-poled PZN-9%PT single crystal. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011, 58, 1127-1130. | 1.7 | 32 |
| 133 | Cryogenic transverse and shear mode properties of (1-x)Pb(Mg _{1/3} Nb _{2/3}) _{0.3} PbTiO ₃ single crystal with the optimal crystallographic direction. <i>Materials Chemistry and Physics</i> , 2011, 125, 718-722. | 2.0 | 8 |
| 134 | Phase diagram and electric properties of the (Mn, K)-modified Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ lead-free ceramics. <i>Journal of Materials Science</i> , 2011, 46, 4675-4682. | 1.7 | 21 |
| 135 | Large strain response in acceptor- and donor-doped Bi _{0.5} Na _{0.5} TiO ₃ -based lead-free ceramics. <i>Journal of Materials Science</i> , 2011, 46, 5702-5708. | 1.7 | 33 |
| 136 | Large electrostrictive strain in lead-free Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ -KNbO ₃ ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 117-122. | 1.1 | 44 |
| 137 | Enhanced magnetoelectric effect in heterostructure of magnetostrictive alloy bars and piezoelectric single-crystal transformer. <i>Review of Scientific Instruments</i> , 2011, 82, 013903. | 0.6 | 17 |
| 138 | Dual-resonance converse magnetoelectric and voltage step-up effects in laminated composite of long-type 0.71Pb(Mg _{1/3} Nb _{2/3}) _{0.29} PbTiO ₃ piezoelectric single-crystal transformer and Tb _{0.3} Dy _{0.7} Fe _{1.92} magnetostrictive alloy bars. <i>Journal of Applied Physics</i> , 2011, 109, 104103. | 1.1 | 8 |
| 139 | A longitudinal (1-x)Pb(Mg _{1/3} Nb _{2/3}) _{0.3} PbTiO ₃ single-crystal piezoelectric transformer. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 1231-1236. | 1.1 | 15 |
| 140 | Nonvolatile bipolar resistance switching effects in multiferroic BiFeO ₃ thin films on LaNiO ₃ -electrodized Si substrates. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 987-990. | 1.1 | 63 |
| 141 | Growth and electric properties of 0.96Na _{0.5} Bi _{0.5} TiO ₃ -0.04BaTiO ₃ single crystal. <i>Journal of Crystal Growth</i> , 2010, 312, 457-460. | 0.7 | 38 |
| 142 | Low-field magnetoresistance in La _{0.7} Sr _{0.3} MnO ₃ /CuCrO ₂ composites. <i>Physica B: Condensed Matter</i> , 2010, 405, 3088-3091. | 1.3 | 11 |
| 143 | Growth and electrical properties of Na _{1/2} Bi _{1/2} TiO ₃ -BaTiO ₃ lead-free single crystal with morphotropic phase boundary composition. <i>Journal of Applied Physics</i> , 2010, 108, . | 1.1 | 40 |
| 144 | Step-down piezoelectric transformer fabricated with (1-x)Pb(Mg _{1/3} Nb _{2/3}) _{0.3} PbTiO ₃ single crystal. <i>Review of Scientific Instruments</i> , 2010, 81, 043904. | 0.6 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 145 | Structure and electrical properties of BiFeO ₃ thin films grown on LaNiO ₃ electrode by chemical solution deposition. Journal of Alloys and Compounds, 2010, 500, 46-48. | 2.8 | 21 |
| 146 | Piezoelectric energy harvesting based on shear mode 0.71Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.29PbTiO ₃ single crystals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 1419-1425. | 1.7 | 15 |
| 147 | Temperature dependence of transverse and shear mode properties for 0.71Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.29PbTiO ₃ single crystal with the optimal orientation. Journal Physics D: Applied Physics, 2009, 42, 035415. | 1.3 | 6 |
| 148 | Electric-field-induced phase transitions of (1-x)PbMg _{1/3} Nb _{2/3} O ₃ -xPbTiO ₃ crystals studied by optical methods. Journal of Physics Condensed Matter, 2009, 21, 335902. | 0.7 | 4 |
| 149 | Enhanced piezoelectric and ferroelectric properties in Mn-doped Na _{0.5} Bi _{0.5} TiO ₃ -BaTiO ₃ single crystals. Applied Physics Letters, 2009, 95, . | 1.5 | 136 |
| 150 | Dual-mode magnetoelectric effect in laminate composite of Terfenol-D alloy and PMN-PT transformer with double output ports. Journal Physics D: Applied Physics, 2009, 42, 135414. | 1.3 | 18 |
| 151 | Cryogenic dielectric and piezoelectric activities in rhombohedral (1-x)Pb(Mg _{1/3} Nb _{2/3})O ₃ -xPbTiO ₃ crystals with different crystallographic orientations. Journal Physics D: Applied Physics, 2009, 42, 182001. | 1.3 | 16 |
| 152 | Piezoelectric/electroluminescent composites for low voltage input flat-panel display devices. Applied Physics A: Materials Science and Processing, 2008, 90, 729-731. | 1.1 | 11 |
| 153 | Giant Magnetoelectric Response from a Piezoelectric/Magnetostrictive Laminated Composite Combined with a Piezoelectric Transformer. Advanced Materials, 2008, 20, 4776-4779. | 11.1 | 92 |
| 154 | Converse magnetoelectric effects in piezoelectric-piezomagnetic layered composites. Composites Science and Technology, 2008, 68, 1440-1444. | 3.8 | 50 |
| 155 | Fe-doped 0.71Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.29PbTiO ₃ single crystals. Journal Physics D: Applied Physics, 2008, 41, 205401. | 1.3 | 1 |
| 156 | Characterization of complete electromechanical constants of rhombohedral 0.72Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.28PbTiO ₃ single crystals. Journal Physics D: Applied Physics, 2008, 41, 185402. | 1.3 | 39 |
| 157 | Crystal growth and high piezoelectric performance of 0.95Na _{0.5} Bi _{0.5} TiO ₃ -0.05BaTiO ₃ lead-free ferroelectric materials. Journal Physics D: Applied Physics, 2008, 41, 115403. | 1.3 | 40 |
| 158 | A Cylinder-shaped Miniature Ultrasonic Motor Based on Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ Single Crystals. Journal of Intelligent Material Systems and Structures, 2008, 19, 1457-1461. | 1.4 | 12 |
| 159 | Multilayer Rosen-type piezoelectric transformer prepared with Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ single crystal. Journal Physics D: Applied Physics, 2008, 41, 035409. | 1.3 | 8 |
| 160 | Giant sharp converse magnetoelectric effect from the combination of a piezoelectric transformer with a piezoelectric/magnetostrictive laminated composite. Applied Physics Letters, 2008, 93, 113503. | 1.5 | 46 |
| 161 | Radial vibration mode of 0.71Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.29PbTiO ₃ single crystal and its applications. Journal of Applied Physics, 2008, 103, 054105. | 1.1 | 5 |
| 162 | Growth and pyroelectric properties of high Curie temperature relaxor-based ferroelectric Pb(In _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ ternary single crystal. Applied Physics Letters, 2008, 92, 252907. | 1.5 | 35 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Rosen-type $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ – PbTiO_3 single crystal piezoelectric transformer. Review of Scientific Instruments, 2007, 78, 073903. | 0.6 | 20 |
| 164 | Complete set of elastic, dielectric, and piezoelectric constants of orthorhombic $0.71\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ – 0.29PbTiO_3 single crystal. Applied Physics Letters, 2007, 90, 212903. | 1.5 | 98 |
| 165 | Displacement amplification and electric characteristics of modified rectangular cymbal transducers using electroactive materials. Solid State Communications, 2007, 143, 321-325. | 0.9 | 11 |
| 166 | Single-crystal $0.7\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ – 0.3PbTiO_3 /epoxy 1–3 piezoelectric composites prepared by the lamination technique. Materials Chemistry and Physics, 2007, 105, 273-277. | 2.0 | 67 |
| 167 | Determination of optical constants of tetragonal $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ – PbTiO_3 ferroelectric single crystals. Journal Physics D: Applied Physics, 2006, 39, 4337-4340. | 1.3 | 23 |
| 168 | Elastic, piezoelectric, and dielectric properties of tetragonal $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ – PbTiO_3 single crystals. Journal of Applied Physics, 2006, 100, 086107. | 1.1 | 20 |
| 169 | High-quality ternary relaxor ferroelectric thin films on Si substrates by pulsed laser deposition method. Journal of the American Ceramic Society, 0, , . | 1.9 | 2 |
| 170 | A Giant Dual-Resonant in Magnetolectric Composite Based on Electrical and Electromechanical Coupling towards Enhanced Working Bandwidth and Frequency Tuning. Physica Status Solidi - Rapid Research Letters, 0, , . | 1.2 | 1 |