

# Hanxing Liu

## List of Publications by Citations

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114  
papers

3,442  
citations

27  
h-index

57  
g-index

125  
ext. papers

4,543  
ext. citations

4.5  
avg, IF

5.62  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 114 | Homogeneous/Inhomogeneous-Structured Dielectrics and their Energy-Storage Performances. <i>Advanced Materials</i> , <b>2017</b> , 29, 1601727  | 24   | 615       |
| 113 | Perovskite lead-free dielectrics for energy storage applications. <i>Progress in Materials Science</i> , <b>2019</b> , 102, 72-108   | 42.2 | 558       |
| 112 | Effect of grain size on the energy storage properties of (Ba <sub>0.4</sub> Sr <sub>0.6</sub> )TiO <sub>3</sub> paraelectric ceramics. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 1209-1217                                | 6    | 176       |
| 111 | Structure, Dielectric Properties and Temperature Stability of BaTiO <sub>3</sub> Bi(Mg <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> Perovskite Solid Solutions. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 3412-3417   | 3.8  | 123       |
| 110 | Enhanced energy storage and fast discharge properties of BaTiO <sub>3</sub> based ceramics modified by Bi(Mg <sub>1/2</sub> Zr <sub>1/2</sub> )O <sub>3</sub> . <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 1103-1109       | 6    | 111       |
| 109 | Structure and electrical properties of lead-free Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -based ceramics for energy-storage applications. <i>RSC Advances</i> , <b>2016</b> , 6, 59280-59291  | 3.7  | 102       |
| 108 | Giant permittivity and low dielectric loss of SrTiO <sub>3</sub> ceramics sintered in nitrogen atmosphere. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 1755-1760  | 6    | 88        |
| 107 | Effects of Sr/Ti ratio on the microstructure and energy storage properties of nonstoichiometric SrTiO <sub>3</sub> ceramics. <i>Ceramics International</i> , <b>2014</b> , 40, 929-933   | 5.1  | 70        |
| 106 | Electrical properties and relaxation behavior of Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> ceramics modified with NaNbO <sub>3</sub> . <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 2469-2477 | 6    | 68        |
| 105 | Ultra-Wide Temperature Stable Dielectrics Based on Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> /NaNbO <sub>3</sub> System. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 3119-3126                                   | 3.8  | 68        |
| 104 | 2D homologous organic-inorganic hybrids as light-absorbers for planer and nanorod-based perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 162, 93-102  | 6.4  | 67        |
| 103 | Dielectric Relaxation in Zr-Doped SrTiO <sub>3</sub> Ceramics Sintered in N <sub>2</sub> with Giant Permittivity and Low Dielectric Loss. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 476-482                               | 3.8  | 62        |
| 102 | Dielectric relaxation behavior and energy storage properties of Sn modified SrTiO <sub>3</sub> based ceramics. <i>Ceramics International</i> , <b>2016</b> , 42, 12796-12801   | 5.1  | 62        |
| 101 | (Bi <sub>0.51</sub> Na <sub>0.47</sub> )TiO <sub>3</sub> based lead free ceramics with high energy density and efficiency. <i>Journal of Materiomics</i> , <b>2019</b> , 5, 385-393  | 6.7  | 60        |
| 100 | Structure and Dielectric Properties of BaTiO <sub>3</sub> BiYO <sub>3</sub> Perovskite Solid Solutions. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1797-1801   | 3.8  | 60        |
| 99  | Effects of Ca doping on the energy storage properties of (Sr, Ca)TiO <sub>3</sub> paraelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 2726-2732   | 2.1  | 51        |
| 98  | A new energy-storage ceramic system based on Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> ternary solid solution. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 322-329                                | 2.1  | 41        |

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| 97 | Effect of SiO <sub>2</sub> additive on dielectric response and energy storage performance of Ba <sub>0.4</sub> Sr <sub>0.6</sub> TiO <sub>3</sub> ceramics. <i>Ceramics International</i> , <b>2016</b> , 42, 12639-12643  | 5.1  | 39 |
| 96 | Temperature stability of dielectric properties for xBiAlO <sub>3</sub> (1-x)BaTiO <sub>3</sub> ceramics. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 2303-2311  | 6    | 38 |
| 95 | Improved breakdown strength and energy storage density of a Ce doped strontium titanate core by silica shell coating. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 9130-9139   | 7.1  | 35 |
| 94 | High-Performance Sm-Doped Pb(MgNb)O-PbZrO-PbTiO-Based Piezoceramics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 43359-43367   | 9.5  | 35 |
| 93 | Structural and dielectric behavior of giant permittivity SrNb <sub>x</sub> Ti <sub>1-x</sub> O <sub>3</sub> ceramics sintered in nitrogen atmosphere. <i>Ceramics International</i> , <b>2016</b> , 42, 13593-13600  | 5.1  | 34 |
| 92 | Microstructure and dielectric properties of SrTiO <sub>3</sub> ceramics by controlled growth of silica shells on SrTiO <sub>3</sub> nanoparticles. <i>Ceramics International</i> , <b>2017</b> , 43, 7710-7716   | 5.1  | 31 |
| 91 | Defect structure-electrical property relationship in Mn-doped calcium strontium titanate dielectric ceramics. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 4638-4648  | 3.8  | 30 |
| 90 | Investigation of dielectric and piezoelectric properties in aliovalent Eu <sup>3+</sup> -modified Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> ceramics. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 7428-7435 | 3.8  | 29 |
| 89 | Design, fabrication and dielectric properties in core-double shell BaTiO <sub>3</sub> -based ceramics for MLCC application. <i>RSC Advances</i> , <b>2015</b> , 5, 8868-8876   | 3.7  | 29 |
| 88 | Enhanced energy storage properties of BaTiO <sub>3</sub> thin films by Ba <sub>0.4</sub> Sr <sub>0.6</sub> TiO <sub>3</sub> layers modulation. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 765, 362-368   | 5.7  | 29 |
| 87 | High breakdown strength and energy storage performance in (Nb, Zn) modified SrTiO <sub>3</sub> ceramics via synergy manipulation. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 2019-2027   | 7.1  | 26 |
| 86 | Improved energy-storage performance and breakdown enhancement mechanism of Mg-doped SrTiO <sub>3</sub> bulk ceramics for high energy density capacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 11491-11499   | 2.1  | 25 |
| 85 | The mechanism for the enhanced piezoelectricity in multi-elements doped (K,Na)NbO ceramics. <i>Nature Communications</i> , <b>2021</b> , 12, 881   | 17.4 | 25 |
| 84 | Energy storage properties of MgO-doped 0.5Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -0.5SrTiO <sub>3</sub> ceramics. <i>Ceramics International</i> , <b>2019</b> , 45, 14921-14927  | 5.1  | 23 |
| 83 | Structure and ferroelectric property of Nb-doped SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> ceramics. <i>Journal of Electroceramics</i> , <b>2009</b> , 22, 357-362   | 1.5  | 23 |
| 82 | Defect engineering toward the structures and dielectric behaviors of (Nb, Zn) co-doped SrTiO <sub>3</sub> ceramics. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 49-55   | 6    | 23 |
| 81 | Achieving ultrahigh energy storage performance in bismuth magnesium titanate film capacitors via amorphous-structure engineering. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 13632-13639   | 7.1  | 22 |
| 80 | Origin of high dielectric permittivity and low dielectric loss of Sr <sub>0.985</sub> Ce <sub>0.01</sub> TiO <sub>3</sub> ceramics under different sintering atmospheres. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 782, 51-58                          | 5.7  | 22 |

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| 79 | Thermal annealing effects on the energy storage properties of BST ceramics. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 3550-3557   | 3.8 | 21 |
| 78 | Structures and dielectric properties of Sr <sub>0.9775</sub> Sm <sub>0.015</sub> TiO <sub>3</sub> ceramics sintered in N <sub>2</sub> . <i>Ceramics International</i> , <b>2015</b> , 41, 12945-12949   | 5.1 | 21 |
| 77 | Origin of low dielectric loss and giant dielectric response in (Nb+Al) co-doped strontium titanate. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 5089-5097   | 3.8 | 21 |
| 76 | Enhanced dielectric breakdown strength and ultra-fast discharge performance of novel SrTiO <sub>3</sub> based ceramics system. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 830, 154611   | 5.7 | 20 |
| 75 | Effect of oxygen treatment on structure and electrical properties of Mn-doped Ca <sub>0.6</sub> Sr <sub>0.4</sub> TiO <sub>3</sub> ceramics. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 2534-2540   | 6   | 20 |
| 74 | Cerium doped strontium titanate with stable high permittivity and low dielectric loss. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 772, 1105-1112  | 5.7 | 20 |
| 73 | Preparation and dielectric properties of X <sub>9R</sub> core-shell BaTiO <sub>3</sub> ceramics coated by BiAlO <sub>3</sub> BaTiO <sub>3</sub> . <i>Ceramics International</i> , <b>2016</b> , 42, 379-387   | 5.1 | 19 |
| 72 | Defect structure and dielectric behavior in SrTi <sub>1-x</sub> (Zn <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>x</sub> O <sub>3</sub> ceramics. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 784, 1303-1310  | 5.7 | 19 |
| 71 | Effects of sintering temperature on microstructure and dielectric properties of Sr <sub>0.985</sub> Ce <sub>0.01</sub> TiO <sub>3</sub> ceramics. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 762, 950-956   | 5.7 | 18 |
| 70 | Unfolding dielectric breakdown effects on energy storage performances of modified (Sr <sub>0.98</sub> Ca <sub>0.02</sub> )(Ti <sub>1-x</sub> Zr <sub>x</sub> )O <sub>3</sub> ceramics. <i>International Journal of Applied Ceramic Technology</i> , <b>2018</b> , 15, 1030 <sup>2</sup> -1039 <sup>17</sup> |     |    |
| 69 | Dielectric properties and impedance analysis of BaTiO <sub>3</sub> -based ceramics with core-shell structure. <i>Ceramics International</i> , <b>2017</b> , 43, 8449-8458   | 5.1 | 16 |
| 68 | Dielectric, piezoelectric, and electromechanical properties of morphotropic phase boundary compositions in the Pb(Mg <sub>1/3</sub> Ta <sub>2/3</sub> )O <sub>3</sub> BbZrO <sub>3</sub> BbTiO <sub>3</sub> ternary system. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 024104                   | 2.5 | 15 |
| 67 | A progressive learning method for predicting the band gap of ABO <sub>3</sub> perovskites using an instrumental variable. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 3127-3136  | 7.1 | 14 |
| 66 | A novel lead-free bismuth magnesium titanate thin films for energy storage applications. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 3819-3822  | 3.8 | 14 |
| 65 | Giant dielectric response in (Nb + Zn) co-doped strontium titanate ceramics tailored by atmosphere. <i>Scripta Materialia</i> , <b>2019</b> , 170, 166-171  | 5.6 | 12 |
| 64 | Dielectric and Piezoelectric Properties of Textured Lead-Free Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -Based Ceramics. <i>Crystals</i> , <b>2019</b> , 9, 206  | 2.3 | 12 |
| 63 | X <sub>9R</sub> BaTiO <sub>3</sub> -Based Dielectric Ceramics with Multilayer Core-Shell Structure Produced by Polymer-Network Gel Coating Method. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 690-693   | 3.8 | 12 |
| 62 | Manganese-Doped BiFeO <sub>3</sub> BaTiO <sub>3</sub> High-Temperature Piezoelectric Ceramics: Phase Structures and Defect Mechanism. <i>International Journal of Applied Ceramic Technology</i> , <b>2016</b> , 13, 549-553  | 2   | 12 |

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| 61 | Fine-grained silica-coated barium strontium titanate ceramics with high energy storage. <i>Ceramics International</i> , <b>2018</b> , 44, 20239-20244  | 5.1 | 11 |
| 60 | Nanoindentation study on mechanical properties and curing depth of dental resin nanocomposites. <i>Polymer Composites</i> , <b>2019</b> , 40, 1473-1480  | 3   | 11 |
| 59 | Structures and dielectric properties of (Nb, Zn) co-doped SrTiO <sub>3</sub> ceramics at various sintering temperatures. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 12401-12410   | 4.3 | 11 |
| 58 | Lead-free relaxor-ferroelectric ceramics for high-energy-storage applications. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 8962-8970  | 7.1 | 10 |
| 57 | Piezoelectric ceramics with high piezoelectricity and broad temperature usage range. <i>Journal of Materiomics</i> , <b>2021</b> , 7, 683-692  | 6.7 | 10 |
| 56 | Bath temperature and deposition potential dependences of CuSCN nanorod arrays prepared by electrochemical deposition. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 7866-7874  | 4.3 | 9  |
| 55 | Defect chemistry and dielectric behavior of Sr <sub>0.99</sub> Ce <sub>0.01</sub> Ti <sub>1-x</sub> O <sub>3</sub> ceramics with high permittivity. <i>Ceramics International</i> , <b>2018</b> , 44, 12065-12072  | 5.1 | 9  |
| 54 | Nb-doped BaTiO <sub>3</sub> (Na <sub>1/4</sub> Bi <sub>3/4</sub> )(Mg <sub>1/4</sub> Ti <sub>3/4</sub> )O <sub>3</sub> ceramics with X9R high-temperature stable dielectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 4204-4210                | 2.1 | 9  |
| 53 | Structure, dielectric and impedance properties of BaTiO <sub>3</sub> Bi(Y <sub>0.5</sub> Yb <sub>0.5</sub> )O <sub>3</sub> lead-free ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 3215-3222   | 2.1 | 8  |
| 52 | Structure and dielectric properties of MgO-coated BaTiO <sub>3</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 8963-8970   | 2.1 | 8  |
| 51 | Preparation of BaTiO <sub>3</sub> @NiO core-shell nanoparticles with antiferroelectric-like characteristic and high energy storage capability. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 4129-4137  | 6   | 8  |
| 50 | Microstructure, ferro-piezoelectric and thermal stability of SiO <sub>2</sub> modified BiFeO <sub>3</sub> BaTiO <sub>3</sub> high temperature piezoceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 479-484   | 2.1 | 7  |
| 49 | Modified Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbZrO <sub>3</sub> BbTiO <sub>3</sub> ceramics with high piezoelectricity and temperature stability. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 5127-5137  | 3.8 | 7  |
| 48 | Defect structure evolution and electrical properties of BaTiO <sub>3</sub> -based ferroelectric ceramics. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 5129-5138  | 3.8 | 6  |
| 47 | Phase and Microstructure Evaluation and Microwave Dielectric Properties of Mg <sub>1-x</sub> Ni <sub>x</sub> SiO <sub>3</sub> Ceramics. <i>Journal of Electronic Materials</i> , <b>2016</b> , 45, 5133-5139   | 1.9 | 6  |
| 46 | Manufacture and dielectric properties of X9R Bi-based lead-free multilayer ceramic capacitors with AgPd inner electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 6140-6149  | 2.1 | 6  |
| 45 | Dandelion-like MnO <sub>2</sub> hollow spheres with superior catalytic performance for Li-O <sub>2</sub> batteries by a facile in situ pyrolysis. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 14525-14535  | 4.3 | 6  |
| 44 | Structure and mixed electronic-ionic conducting properties of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>1-y</sub> Fe <sub>y</sub> O <sub>3</sub> (y=0-1.0) ceramics made by a citrate method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2008</b> , 23, 80-84 | 1   | 6  |

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| 43 | Anomalous Dielectric Nonlinearity in Niobium and Aluminum Co-doped SrTiO <sub>3</sub> Ceramics with Giant Permittivity and Low Dielectric Loss. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 18142-18149   | 3.8 | 5 |
| 42 | Enthralling Storage Properties of (1-x)La <sub>0.03</sub> Na <sub>0.91</sub> Nb <sub>0.3</sub> Bi(Li <sub>0.5</sub> Nb <sub>0.5</sub> )O <sub>3</sub> Lead-Free Ceramics: High Energy Storage Applications. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 21993-22002   | 3.8 | 5 |
| 41 | Understanding Interfacial Mechanics and Mechanisms of Exfoliation and Stabilization of Graphene Using Urea/Glycerol Solvents. <i>Advanced Theory and Simulations</i> , <b>2019</b> , 2, 1900155   | 3.5 | 5 |
| 40 | Defect chemistry of A site nonstoichiometry and the resulting dielectric behaviors in Sr <sub>x</sub> Ti <sub>0.985</sub> (Nb <sub>2/3</sub> Zn <sub>1/3</sub> ) <sub>0.015</sub> O <sub>3</sub> ceramics. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 6298-6307  | 3.8 | 4 |
| 39 | The effects of TiO <sub>2</sub> addition on the phase formation and microwave dielectric properties of CaLa <sub>4</sub> Ti <sub>5</sub> O <sub>17</sub> ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 15552-15555   | 2.1 | 4 |
| 38 | Structure, electrical conducting and thermal expansion properties of Ln <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3</sub> (Ln=La, Pr, Nd, Sm) ceramics. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2008</b> , 23, 386-390  | 1   | 4 |
| 37 | Tuning the microstructure of BaTiO <sub>3</sub> @FeO core-shell nanoparticles with low temperatures sintering dense nanocrystalline ceramics for high energy storage capability and stability. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 864, 158644   | 5.7 | 4 |
| 36 | The role of diffusion behavior on the formation and evolution of the core-shell structure in BaTiO <sub>3</sub> -based ceramics. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 304-314  | 3.8 | 4 |
| 35 | Synthesis and characterization of layered perovskite-type organic-inorganic hybrids (C <sub>n</sub> H <sub>2n+1</sub> NH <sub>3</sub> ) <sub>2</sub> (CH <sub>3</sub> NH <sub>3</sub> ) <sub>m-1</sub> Pb <sub>m</sub> I <sub>3m+1</sub> (n=5-10, m=1, 2). <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2017</b> , 32, 205-212 | 1   | 3 |
| 34 | Influence of Co substitution on the phase, microstructure, and microwave dielectric properties of MgSiO <sub>3</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 6469-6474  | 2.1 | 3 |
| 33 | Amorphous/Crystalline Engineering of BaTiO <sub>3</sub> -Based Thin Films for Energy-Storage Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 1731-1740   | 8.3 | 3 |
| 32 | Impact of Phase Structure on Piezoelectric Properties of Textured Lead-Free Ceramics. <i>Crystals</i> , <b>2020</b> , 10, 367   | 2.3 | 3 |
| 31 | Performance optimization of Mg-rich bismuth-magnesium-titanium thin films for energy storage applications. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 1243-1249   | 6   | 3 |
| 30 | Fabrication of BaTiO <sub>3</sub> @FeO core-shell nanoceramics for dielectric capacitor applications. <i>Scripta Materialia</i> , <b>2021</b> , 196, 113753   | 5.6 | 3 |
| 29 | Significantly Enhanced Energy Storage Density of NNT Ceramics Using Aliovalent Dy <sup>3+</sup> Dopant. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 5849-5859   | 8.3 | 3 |
| 28 | Improved physics-based structural descriptors of perovskite materials enable higher accuracy of machine learning. <i>Computational Materials Science</i> , <b>2021</b> , 198, 110714  | 3.2 | 3 |
| 27 | A Unique Mechanism for Dielectric-Temperature Stability of BaTiO <sub>3</sub> -Based Ceramics Using Ba(OH) <sub>2</sub> /TiO <sub>2</sub> Suspension. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 14089-14098   | 3.8 | 2 |
| 26 | Characteristics and structure of Mn-doped (0.6-x)PMT <sub>0.4</sub> PT <sub>x</sub> PZ <sub>0.25</sub> ternary system near morphotropic phase boundary. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 14261-14266   | 2.1 | 2 |



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| 25 | Dielectric response of 0.85 Ba(Ti <sub>0.96</sub> Zr <sub>0.04</sub> )O <sub>3</sub> 0.15 Bi(Mg <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> relaxor ferroelectrics under electric field: evolution of PNRs. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 9146-9151 <sup>2,1</sup>                      | 2 |
| 24 | Synthesis and characterization of layered perovskite-type organic-inorganic hybrids (R-NH <sub>3</sub> ) <sub>2</sub> (CH <sub>3</sub> NH <sub>3</sub> )Pb <sub>2</sub> I <sub>7</sub> . <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2012</b> , 27, 957-961  | 2 |
| 23 | Superior energy storage BaTiO <sub>3</sub> -based amorphous dielectric film with polymorphic hexagonal and cubic nanostructures. <i>Chemical Engineering Journal</i> , <b>2021</b> , 431, 133447   | 2 |
| 22 | High breakdown strength and energy storage density of Er <sub>0.02</sub> Sr <sub>0.97</sub> TiO <sub>3</sub> @MgO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> /BiO <sub>2</sub> ceramics with core-shell structure sintered in oxygen atmosphere. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 13408-13414 | 2 |
| 21 | Accelerated search for ABO <sub>3</sub> -type the electronic contribution of polycrystalline dielectric constants by machine learning. <i>Computational Materials Science</i> , <b>2021</b> , 193, 110404  | 2 |
| 20 | Bimetallic sulfides Fe <sub>x</sub> Co <sub>1-x</sub> S <sub>2</sub> as efficient electrocatalysts for Li-O <sub>2</sub> batteries. <i>Functional Materials Letters</i> , <b>2020</b> , 13, 2051015  | 2 |
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| 7 | Improved energy storage properties of La <sub>0.33</sub> NbO <sub>3</sub> modified 0.94Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -0.06BaTiO <sub>3</sub> ceramic system. <i>Applied Physics A: Materials Science and Processing</i> , <b>2021</b> , 127, 1 | 2.6 | 1 |
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| 1 | Optimized energy storage properties of BaTiO <sub>3</sub> -based ceramics with enhanced grain boundary effect. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 14328-14336  | 2.1 |   |