

# Yu Wang

## List of Publications by Year in descending order

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330  
papers

13,065  
citations

36271

51  
h-index

30058

103  
g-index

330  
all docs

330  
docs citations

330  
times ranked

17830  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Large Electrocaloric Effect in Ferroelectric Polymers Near Room Temperature. <i>Science</i> , 2008, 321, 821-823.  | 6.0  | 1,004     |
| 2  | Superparamagnetic Colloids: Controlled Synthesis and Niche Applications. <i>Advanced Materials</i> , 2007, 19, 33-60.  | 11.1 | 884       |
| 3  | Coupled molybdenum carbide and reduced graphene oxide electrocatalysts for efficient hydrogen evolution. <i>Nature Communications</i> , 2016, 7, 11204.  | 5.8  | 803       |
| 4  | WO <sub>3</sub> nanorods/graphene nanocomposites for high-efficiency visible-light-driven photocatalysis and NO <sub>2</sub> gas sensing. <i>Journal of Materials Chemistry</i> , 2012, 22, 8525.  | 6.7  | 484       |
| 5  | Large area, continuous, few-layered graphene as anodes in organic photovoltaic devices. <i>Applied Physics Letters</i> , 2009, 95, .   | 1.5  | 394       |
| 6  | Magnetoelectric CoFe <sub>2</sub> O <sub>4</sub> /Pb(Zr,Ti)O <sub>3</sub> composite thin films derived by a sol-gel process. <i>Applied Physics Letters</i> , 2005, 86, 122501.  | 1.5  | 285       |
| 7  | Tailoring a two-dimensional electron gas at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> (001) interface by epitaxial strain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4720-4724.   | 3.3  | 218       |
| 8  | Giant Electric Energy Density in Epitaxial Lead-Free Thin Films with Coexistence of Ferroelectrics and Antiferroelectrics. <i>Advanced Electronic Materials</i> , 2015, 1, 1500052.  | 2.6  | 195       |
| 9  | Hydrogen Induced Metallicity on the ZnO(101̄0) Surface. <i>Physical Review Letters</i> , 2005, 95, 266104.   | 2.9  | 192       |
| 10 | Large Energy Storage Density and High Thermal Stability in a Highly Textured (111)-Oriented Pb <sub>0.8</sub> Ba <sub>0.2</sub> ZrO <sub>3</sub> Relaxor Thin Film with the Coexistence of Antiferroelectric and Ferroelectric Phases. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13512-13517. | 4.0  | 185       |
| 11 | Direct TEM observations of growth mechanisms of two-dimensional MoS <sub>2</sub> flakes. <i>Nature Communications</i> , 2016, 7, 12206.  | 5.8  | 179       |
| 12 | Selenium-Doped Black Phosphorus for High-Responsivity 2D Photodetectors. <i>Small</i> , 2016, 12, 5000-5007.   | 5.2  | 156       |
| 13 | Microfluidic reactors for photocatalytic water purification. <i>Lab on A Chip</i> , 2014, 14, 1074-1082.   | 3.1  | 151       |
| 14 | Large Magnetostriction from Morphotropic Phase Boundary in Ferromagnets. <i>Physical Review Letters</i> , 2010, 104, 197201.   | 2.9  | 148       |
| 15 | Direct and Seamless Coupling of TiO <sub>2</sub> Nanotube Photonic Crystal to Dye-Sensitized Solar Cell: A Single-Step Approach. <i>Advanced Materials</i> , 2011, 23, 5624-5628.  | 11.1 | 145       |
| 16 | Piezoelectric-Phototronic Effect-Induced Dual-Mode Light and Ultrasound Emissions from ZnS:Mn/PMN-PT Thin-Film Structures. <i>Advanced Materials</i> , 2012, 24, 1729-1735.  | 11.1 | 142       |
| 17 | Design and coupling of multifunctional TiO <sub>2</sub> nanotube photonic crystal to nanocrystalline titania layer as semi-transparent photoanode for dye-sensitized solar cell. <i>Energy and Environmental Science</i> , 2012, 5, 9881.  | 15.6 | 130       |
| 18 | Electrospinning preparation and room temperature gas sensing properties of porous In <sub>2</sub> O <sub>3</sub> nanotubes and nanowires. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 531-538.   | 4.0  | 129       |

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|----|---|------|-----------|
| 19 | Epitaxial ferroelectric Pb(Zr,Sn)O <sub>3</sub> thin films on Si using SrTiO <sub>3</sub> template layers. Applied Physics Letters, 2002, 80, 97-99.  | 1.5  | 128       |
| 20 | Flexoelectric materials and their related applications: A focused review. Journal of Advanced Ceramics, 2019, 8, 153-173.   | 8.9  | 127       |
| 21 | Flexible fiber hybrid supercapacitor with NiCo <sub>2</sub> O <sub>4</sub> nanograss@carbon fiber and bio-waste derived high surface area porous carbon. Electrochimica Acta, 2016, 211, 411-419. | 2.6  | 126       |
| 22 | Highly Responsive Room-Temperature Hydrogen Sensing of $\lambda$ -MoO <sub>3</sub> Nanoribbon Membranes. ACS Applied Materials & Interfaces, 2015, 7, 9247-9253.                                  | 4.0  | 125       |
| 23 | Room-temperature pyro-catalytic hydrogen generation of 2D few-layer black phosphorene under cold-hot alternation. Nature Communications, 2018, 9, 2889.   | 5.8  | 125       |
| 24 | Graphene/Sulfur Hybrid Nanosheets from a Space-Confining "Sauna" Reaction for High-Performance Lithium-Sulfur Batteries. Advanced Materials, 2015, 27, 5936-5942.                                 | 11.1 | 124       |
| 25 | Laser-induced thermal bubbles for microfluidic applications. Lab on A Chip, 2011, 11, 1389.   | 3.1  | 119       |
| 26 | Electric modulation of magnetization at the BaTiO <sub>3</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> interfaces. Applied Physics Letters, 2012, 100, .                          | 1.5  | 118       |
| 27 | Fast and highly-sensitive hydrogen sensing of Nb <sub>2</sub> O <sub>5</sub> nanowires at room temperature. International Journal of Hydrogen Energy, 2012, 37, 4526-4532.                        | 3.8  | 118       |
| 28 | A rectification-free piezo-supercapacitor with a polyvinylidene fluoride separator and functionalized carbon cloth electrodes. Journal of Materials Chemistry A, 2015, 3, 14963-14970.            | 5.2  | 118       |
| 29 | Visible Light Responsive Perovskite BiFeO <sub>3</sub> Pills and Rods with Dominant {111} <sub>c</sub> Facets. Crystal Growth and Design, 2011, 11, 1049-1053.                                    | 1.4  | 115       |
| 30 | Effect of substrate-induced strains on the spontaneous polarization of epitaxial BiFeO <sub>3</sub> thin films. Journal of Applied Physics, 2007, 101, 114105.                                    | 1.1  | 113       |
| 31 | Ferroelectric Polarization in Nanocrystalline Hydroxyapatite Thin Films on Silicon. Scientific Reports, 2013, 3, 2215.  | 1.6  | 112       |
| 32 | Advances and prospects of fiber supercapacitors. Journal of Materials Chemistry A, 2015, 3, 20863-20879.  | 5.2  | 110       |
| 33 | High-efficiency and mechano-/photo- bi-catalysis of piezoelectric-ZnO@ photoelectric-TiO <sub>2</sub> core-shell nanofibers for dye decomposition. Chemosphere, 2017, 183, 528-535.               | 4.2  | 109       |
| 34 | Processing and properties of Yb-doped BiFeO <sub>3</sub> ceramics. Applied Physics Letters, 2007, 91, .   | 1.5  | 108       |
| 35 | Generation of Janus alginate hydrogel particles with magnetic anisotropy for cell encapsulation. Lab on A Chip, 2009, 9, 2981.  | 3.1  | 105       |
| 36 | Piezoelectric properties of Mn-doped (Na <sub>0.5</sub> Bi <sub>0.5</sub> ) <sub>0.92</sub> Ba <sub>0.08</sub> TiO <sub>3</sub> ceramics. Materials Letters, 2005, 59, 1649-1652.                 | 1.3  | 91        |

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|----|---|-----|-----------|
| 37 | Commercial Dacron cloth supported Cu(OH) <sub>2</sub> nanobelt arrays for wearable supercapacitors. Journal of Materials Chemistry A, 2016, 4, 14781-14788.   | 5.2 | 78        |
| 38 | Gas Sensing Properties of Perovskite BiFeO <sub>3</sub> Nanoparticles. Journal of the American Ceramic Society, 2009, 92, 3105-3107.  | 1.9 | 75        |
| 39 | ZnO-based film bulk acoustic resonator for high sensitivity biosensor applications. Applied Physics Letters, 2007, 90, 143503.  | 1.5 | 73        |
| 40 | Synthesis of Bismuth Ferrite Nanoparticles via a Wet Chemical Route at Low Temperature. Journal of Nanomaterials, 2011, 2011, 1-6.  | 1.5 | 73        |
| 41 | Preparation of TiO <sub>2</sub> /ITO and TiO <sub>2</sub> /Ti photoelectrodes by magnetron sputtering for photocatalytic application. Applied Catalysis A: General, 2006, 305, 54-63.                       | 2.2 | 69        |
| 42 | Engineering Nanostructured Bi <sub>2</sub> WO <sub>6</sub> TiO <sub>2</sub> Toward Effective Utilization of Natural Light in Photocatalysis. Journal of the American Ceramic Society, 2011, 94, 4157-4161.  | 1.9 | 68        |
| 43 | Piezoelectric Nanowires in Energy Harvesting Applications. Advances in Materials Science and Engineering, 2015, 2015, 1-21.   | 1.0 | 66        |
| 44 | Determination of the strain dependence of resistance in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> •PMN <sub>1-x</sub> PT using the converse piezoelectric effect. Physical Review B, 2007, 75, . | 1.1 | 63        |
| 45 | Flexible and wearable fiber shaped high voltage supercapacitors based on copper hexacyanoferrate and porous carbon coated carbon fiber electrodes. Journal of Materials Chemistry A, 2016, 4, 4934-4940.    | 5.2 | 61        |
| 46 | Controllable Hydrothermal Synthesis of KTa <sub>1-x</sub> Nb <sub>x</sub> O <sub>3</sub> Nanostructures with Various Morphologies and Their Growth Mechanisms. Crystal Growth and Design, 2008, 8, 832-837. | 1.4 | 60        |
| 47 | Microstructures and electrical conductance of silver nanocrystalline thin films on flexible polymer substrates. Surface and Coatings Technology, 2010, 204, 1206-1210.                                      | 2.2 | 59        |
| 48 | Preparation and characterization of hafnium doped barium titanate ceramics. Journal of Alloys and Compounds, 2007, 431, 197-202.  | 2.8 | 58        |
| 49 | Effects of Long- and Short-Range Ferroelectric Order on the Electrocaloric Effect in Relaxor Ferroelectric Ceramics. Physical Review Applied, 2019, 11, .   | 1.5 | 57        |
| 50 | Electrospinning Preparation and Photoluminescence Properties of Lanthanum Phosphate Nanowires and Nanotubes. Journal of Physical Chemistry C, 2009, 113, 9609-9615.   | 1.5 | 56        |
| 51 | Electrospun Bismuth Ferrite Nanofibers for Potential Applications in Ferroelectric Photovoltaic Devices. ACS Applied Materials & Interfaces, 2015, 7, 3665-3670.  | 4.0 | 55        |
| 52 | Novel gas sensing materials based on CuS hollow spheres. Microporous and Mesoporous Materials, 2009, 118, 423-426.  | 2.2 | 50        |
| 53 | Synthesis and photocatalytic activity of electrospun niobium oxide nanofibers. Materials Research Bulletin, 2013, 48, 1213-1217.  | 2.7 | 50        |
| 54 | Hydrothermal growth and optical properties of Nb <sub>2</sub> O <sub>5</sub> nanorod arrays. Journal of Materials Chemistry C, 2014, 2, 8185-8190.  | 2.7 | 49        |

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|----|---|-----|-----------|
| 55 | Direct synthesis of ultrafine tetragonal BaTiO <sub>3</sub> nanoparticles at room temperature. <i>Nanoscale Research Letters</i> , 2011, 6, 466.  | 3.1 | 48        |
| 56 | Origin of Ferroelectricity in Epitaxial Si-Doped HfO <sub>2</sub> Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 4139-4144.   | 4.0 | 48        |
| 57 | Effects of electrochemical hydrogen charging on lead-based relaxor ferroelectric multilayer ceramic capacitors. <i>Journal of Materials Research</i> , 1998, 13, 1110-1112.   | 1.2 | 47        |
| 58 | Enhanced in-plane ferroelectricity in Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> thin films grown on MgO (001) single-crystal substrate. <i>Applied Physics Letters</i> , 2005, 86, 212904.   | 1.5 | 47        |
| 59 | Nanocomposite of BiPO <sub>4</sub> and reduced graphene oxide as an efficient photocatalyst for hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 13527-13533.  | 3.8 | 47        |
| 60 | Hydrogen Impurity Defects in Rutile TiO <sub>2</sub> . <i>Scientific Reports</i> , 2015, 5, 17634.  | 1.6 | 47        |
| 61 | Piezostain-enhanced photovoltaic effects in BiFeO <sub>3</sub> /La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /PMN-PT heterostructures. <i>Nano Energy</i> , 2015, 18, 315-324.  | 8.2 | 47        |
| 62 | Hot-pressed K <sub>0.48</sub> Na <sub>0.52</sub> Nb <sub>1-x</sub> Bi <sub>x</sub> O <sub>3</sub> (x=0.05-0.15) lead-free ceramics for electro-optic applications. <i>Materials Chemistry and Physics</i> , 2011, 131, 320-324.                                       | 2.0 | 46        |
| 63 | Optofluidic microcavities: Dye-lasers and biosensors. <i>Biomicrofluidics</i> , 2010, 4, 043002.  | 1.2 | 44        |
| 64 | Low-temperature facile solution-processed gate dielectric for combustion derived oxide thin film transistors. <i>RSC Advances</i> , 2014, 4, 54729-54739.   | 1.7 | 44        |
| 65 | Ultrahigh Tunability of Room Temperature Electronic Transport and Ferromagnetism in Dilute Magnetic Semiconductor and PMN-PT Single-Crystal-Based Field Effect Transistors via Electric Charge Mediation. <i>Advanced Functional Materials</i> , 2015, 25, 1111-1119. | 7.8 | 44        |
| 66 | van der Waals epitaxy of Al-doped ZnO film on mica as a flexible transparent heater with ultrafast thermal response. <i>Applied Physics Letters</i> , 2018, 112, .  | 1.5 | 43        |
| 67 | Direct large-scale synthesis of perovskite barium strontium titanate nano-particles from solutions. <i>Journal of Solid State Chemistry</i> , 2005, 178, 279-284.   | 1.4 | 42        |
| 68 | Ferroelectric poling and converse-piezoelectric-effect-induced strain effects in $\text{La}_{0.7}\text{Bi}_{0.3}\text{TiO}_3$ films grown on ferr. <i>Physical Review B</i> , 2009, 79, .   | 1.1 | 42        |
| 69 | Direct Observation of Charge Order and an Orbital Glass State in Multiferroic $\text{LuFe}_2\text{O}_4$ . <i>Physical Review Letters</i> , 2008, 103, 077602.   |     | 42        |
| 70 | Open-ended TiO <sub>2</sub> nanotubes formed by two-step anodization and their application in dye-sensitized solar cells. <i>Nanoscale</i> , 2012, 4, 448-450.  | 2.8 | 42        |
| 71 | Tunable angle-independent refractive index sensor based on Fano resonance in integrated metal and graphene nanoribbons. <i>Scientific Reports</i> , 2016, 6, 29984.   | 1.6 | 39        |
| 72 | Monitoring of dopamine release in single cell using ultrasensitive ITO microsensors modified with carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2917-2921.   | 5.3 | 38        |

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|----|---|-----|-----------|
| 73 | FeCo alloy catalysts promoting polysulfide conversion for advanced lithium-sulfur batteries. Journal of Energy Chemistry, 2020, 49, 339-347.  | 7.1 | 38        |
| 74 | Effects of Ca doping on the Curie temperature, structural, dielectric, and elastic properties of Ba <sub>0.4</sub> Sr <sub>0.6-<math>x</math></sub> CaxTiO <sub>3</sub> (0 $\leq x \leq 0.3$ ) perovskites. Journal of Applied Physics, 2005, 98, 084108. | 1.1 | 37        |
| 75 | Hydrogen: A metastable donor in TiO <sub>2</sub> single crystals. Applied Physics Letters, 2008, 92, .  | 1.5 | 37        |
| 76 | Nonstoichiometric BiFe <sub>0.9</sub> Ti <sub>0.05</sub> O <sub>3</sub> multiferroic ceramics with ultrahigh electrical resistivity. Journal of Applied Physics, 2010, 108, 094112.   | 1.1 | 37        |
| 77 | Giant Electrocaloric Effect and Ultrahigh Refrigeration Efficiency in Antiferroelectric Ceramics by Morphotropic Phase Boundary Design. ACS Applied Materials & Interfaces, 2020, 12, 45005-45014.  | 4.0 | 37        |
| 78 | A microfluidic system with surface modified piezoelectric sensor for trapping and detection of cancer cells. Biosensors and Bioelectronics, 2010, 26, 935-939.  | 5.3 | 36        |
| 79 | Ultrahigh refractive index sensing performance of plasmonic quadrupole resonances in gold nanoparticles. Nanoscale Research Letters, 2014, 9, 187.  | 3.1 | 36        |
| 80 | Mechanism study on extraordinary room-temperature CO sensing capabilities of Pd-SnO <sub>2</sub> composite nanoceramics. Sensors and Actuators B: Chemical, 2019, 285, 49-55.   | 4.0 | 36        |
| 81 | Tuning the electrical properties of La <sub>0.75</sub> Ca <sub>0.25</sub> MnO <sub>3</sub> thin films by ferroelectric polarization, ferroelectric-field effect, and converse piezoelectric effect. Physical Review B, 2006, 74, .                        | 1.1 | 35        |
| 82 | Spontaneous recovery of hydrogen-degraded TiO <sub>2</sub> ceramic capacitors. Applied Physics Letters, 2004, 84, 103-105.  | 1.5 | 34        |
| 83 | Effect of lattice-misfit strain on the process-induced imprint behavior in epitaxial Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> thin films. Applied Physics Letters, 2004, 85, 1583-1585.   | 1.5 | 33        |
| 84 | Tunable interface strain coupling and its impact on the electronic transport and magnetic properties of $L_{1-x}C_{0.5x}Mn_{0.5x}$  | 1.1 | 33        |
| 85 | Study of optical Tamm states based on the phase properties of one-dimensional photonic crystals. Optics Express, 2012, 20, 21618.   | 1.7 | 32        |
| 86 | Synthesis and photocatalytic performance of the electrospun Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> nanofibers. Journal of Materials Science, 2013, 48, 4143-4150.   | 1.7 | 32        |
| 87 | Highly entangled carbon nanoflakes on Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> microrods for improved lithium storage performance. RSC Advances, 2013, 3, 1297-1301.  | 1.7 | 32        |
| 88 | Aperiodic TiO <sub>2</sub> Nanotube Photonic Crystal: Full-Visible-Spectrum Solar Light Harvesting in Photovoltaic Devices. Scientific Reports, 2014, 4, 6442.  | 1.6 | 32        |
| 89 | Observable Two-Step Nucleation Mechanism in Solid-State Formation of Tungsten Carbide. ACS Nano, 2019, 13, 681-688.   | 7.3 | 32        |
| 90 | Modulated charged defects and conduction behaviour in doped BiFeO <sub>3</sub> thin films. Journal Physics D: Applied Physics, 2009, 42, 162001.  | 1.3 | 31        |

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|-----|--|-----|-----------|
| 91  | Highly mobile and reactive state of hydrogen in metal oxide semiconductors at room temperature. <i>Scientific Reports</i> , 2013, 3, 3149.   | 1.6 | 31        |
| 92  | Application of Weibull distribution analysis to the dielectric failure of multilayer ceramic capacitors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1997, 47, 197-203.  | 1.7 | 30        |
| 93  | Activation field and fatigue of (Pb, $\text{\AA}$ La)(Zr, $\text{\AA}$ Ti)O <sub>3</sub> thin films. <i>Applied Physics Letters</i> , 1999, 75, 4186-4188.   | 1.5 | 30        |
| 94  | Dielectric properties of barium titanate ceramics doped by B <sub>2</sub> O <sub>3</sub> vapor. <i>Journal of Applied Physics</i> , 2004, 96, 6937-6939.   | 1.1 | 30        |
| 95  | Strain-mediated electric-field control of resistance in the La <sub>0.85</sub> Sr <sub>0.15</sub> MnO <sub>3</sub> $\text{\AA}$ 0.7Pb(Mg <sub>1</sub> $\text{\AA}$ 3Nb <sub>2</sub> $\text{\AA}$ 3)O <sub>3</sub> $\text{\AA}$ 0.3PbTiO <sub>3</sub> structure. <i>Applied Physics Letters</i> , 2007, 90, 152904. | 1.5 | 30        |
| 96  | Influence of Electroless Nickel Plating on Multilayer Ceramic Capacitors and the Implications for Reliability in Multilayer Ceramic Capacitors. <i>Journal of the American Ceramic Society</i> , 1998, 81, 2751-2752.  | 1.9 | 29        |
| 97  | Substrate-induced strain effect in La <sub>0.875</sub> Ba <sub>0.125</sub> MnO <sub>3</sub> thin films grown on ferroelectric single-crystal substrates. <i>Applied Physics Letters</i> , 2008, 92, .  | 1.5 | 29        |
| 98  | (K,Na)NbO <sub>3</sub> Nanofiber-based Self-Powered Sensors for Accurate Detection of Dynamic Strain. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4921-4927.  | 4.0 | 29        |
| 99  | Atomic-Scale Mechanism on Nucleation and Growth of Mo <sub>2</sub> C Nanoparticles Revealed by in Situ Transmission Electron Microscopy. <i>Nano Letters</i> , 2016, 16, 7875-7881.  | 4.5 | 28        |
| 100 | Crystalline and electronic structures of lithium silicates: A density functional theory study. <i>Journal of Nuclear Materials</i> , 2012, 420, 31-38.   | 1.3 | 27        |
| 101 | Graphene nanocluster decorated niobium oxide nanofibers for visible light photocatalytic applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8190.  | 5.2 | 27        |
| 102 | Hydrogen-induced delayed fracture of PZT ceramics during dynamic charging under constant load. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003, 98, 1-5.  | 1.7 | 26        |
| 103 | In-plane dielectric properties of epitaxial 0.65Pb(Mg <sub>1</sub> $\text{\AA}$ 3Nb <sub>2</sub> $\text{\AA}$ 3)O <sub>3</sub> $\text{\AA}$ 0.35PbTiO <sub>3</sub> thin films in a very wide frequency range. <i>Applied Physics Letters</i> , 2004, 85, 1580-1582.  | 1.5 | 26        |
| 104 | Microstructure and dielectric relaxor properties for Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> heterostructure. <i>Journal of Applied Physics</i> , 2007, 101, 084101.  | 1.1 | 26        |
| 105 | Electric-field-treatment-induced enhancement of photoluminescence in Er <sup>3+</sup> -doped (Ba <sub>0.95</sub> Sr <sub>0.05</sub> )(Zr <sub>0.1</sub> Ti <sub>0.9</sub> )O <sub>3</sub> piezoelectric ceramic. <i>Materials Letters</i> , 2016, 184, 131-133.  | 1.3 | 26        |
| 106 | Suppressing the Coffee-Ring Effect in Semitransparent MnO <sub>2</sub> Film for a High-Performance Solar-Powered Energy Storage Window. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9088-9096.  | 4.0 | 26        |
| 107 | Design of a ZnO/Poly(vinylidene fluoride) inverse opal film for photon localization-assisted full solar spectrum photocatalysis. <i>Chinese Journal of Catalysis</i> , 2021, 42, 184-192.  | 6.9 | 26        |
| 108 | Core-shell structure of nanoscaled Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> self-wrapped by MgO derived from a direct solution synthesis at room temperature. <i>Nanotechnology</i> , 2005, 16, 47-52.   | 1.3 | 25        |

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|-----|---|------|-----------|
| 109 | A strong correlation of crystal structure and Curie point of barium titanate ceramics with Ba/Ti ratio of precursor composition. <i>Physica B: Condensed Matter</i> , 2008, 403, 660-663.   | 1.3  | 25        |
| 110 | Orientation- $\epsilon$ Control Synthesis of $\text{KTa}_{0.25}\text{Nb}_{0.75}\text{O}_3$ Nanorods. <i>Journal of the American Ceramic Society</i> , 2010, 93, 609-613.  | 1.9  | 25        |
| 111 | Direct observation of carbon nanostructure growth at liquid-s $\epsilon$ solid interfaces. <i>Chemical Communications</i> , 2014, 50, 826-828.  | 2.2  | 25        |
| 112 | Large flexoelectricity in $\text{Al}_2\text{O}_3$ -doped $\text{Ba}(\text{Ti}_{0.85}\text{Sn}_{0.15})\text{O}_3$ ceramics. <i>Applied Physics Letters</i> , 2017, 110, .  | 1.5  | 25        |
| 113 | Ni-s $\epsilon$ Al diffusion barrier layer for integrating ferroelectric capacitors on Si. <i>Applied Physics Letters</i> , 2006, 88, 252903.   | 1.5  | 24        |
| 114 | Microstructure and enhanced in-plane ferroelectricity of $\text{Ba}_{0.7}\text{Sr}_{0.3}\text{TiO}_3$ thin films grown on $\text{MgAl}_2\text{O}_4$ (001) single-crystal substrate. <i>Applied Physics Letters</i> , 2006, 89, 232906.  | 1.5  | 24        |
| 115 | Improvement of ferroelectric fatigue endurance in multiferroic $(\text{Ba}_{0.5}\text{Sr}_{0.5})\text{TiO}_3\text{-}(\text{Bi}_{1.05}\text{La}_{0.05})\text{FeO}_3\text{-}(\text{Ba}_{0.5}\text{Sr}_{0.5})\text{TiO}_3$ sandwich structures. <i>Applied Physics Letters</i> , 2008, 92, 062902.               | 1.5  | 24        |
| 116 | A new low-temperature solution route to Aurivillius-type layered oxyfluoride perovskites $\text{Bi}_2\text{MO}_5\text{F}$ (M) Tj ETQq 0 0 rgBT /Overlock 10 T   | 10.8 | 24        |
| 117 | A simple and convenient route to prepare poly(vinylidene fluoride trifluoroethylene) copolymer nanowires and nanotubes. <i>Chemical Communications</i> , 2005, , 1447.  | 2.2  | 23        |
| 118 | Epitaxial growth of $\text{SrTiO}_3$ thin film on Si by laser molecular beam epitaxy. <i>Applied Physics Letters</i> , 2007, 90, 012902.  | 1.5  | 23        |
| 119 | Investigation of substrate-induced strain effects in $\text{La}_{0.7}\text{Ca}_{0.15}\text{Sr}_{0.15}\text{MnO}_3$ thin films using ferroelectric polarization and the converse piezoelectric effect. <i>Applied Physics Letters</i> , 2008, 93, .  | 1.5  | 23        |
| 120 | Structural and dielectric properties of $\text{LuFe}_2\text{O}_4$ thin films grown by pulsed-laser deposition. <i>Thin Solid Films</i> , 2010, 518, 6909-6914.  | 0.8  | 23        |
| 121 | Coaction and competition between the ferroelectric field effect and the strain effect in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ film/ $0.67\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}0.33\text{PbTiO}_3$ crystal heterostructures. <i>Applied Physics Letters</i> , 2012, 101, .       | 1.5  | 23        |
| 122 | High dielectric tunability, electrostriction strain and electrocaloric strength at a tricritical point of tetragonal, rhombohedral and pseudocubic phases. <i>Journal of Alloys and Compounds</i> , 2015, 646, 597-602.   | 2.8  | 23        |
| 123 | Flexoelectric behavior in PIN-PMN-PT single crystals over a wide temperature range. <i>Applied Physics Letters</i> , 2017, 111, .   | 1.5  | 23        |
| 124 | Influence of oxygen partial pressure on the structural and dielectric properties of $\text{Ba}(\text{Zr}_{0.3}\text{Ti}_{0.7})\text{O}_3$ thin films grown on $(\text{LaAlO}_3)_{0.3}(\text{Sr}_2\text{AlTaO}_6)_{0.35}$ (001) using pulsed laser deposition. <i>Thin Solid Films</i> , 2009, 517, 2092-2098. | 0.8  | 22        |
| 125 | Enhanced Light Harvesting in Dye-Sensitized Solar Cells Coupled with Titania Nanotube Photonic Crystals: A Theoretical Study. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 13022-13028.   | 4.0  | 22        |
| 126 | Coupling of magnetic field and lattice strain and its impact on electronic phase separation in $\text{La}_{0.335}\text{Pr}_{0.335}\text{Ca}_{0.33}\text{MnO}_3$ /ferroelectric crystal heterostructures. <i>Applied Physics Letters</i> , 2013, 103, .  | 1.5  | 22        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Effect of defect-induced internal field on the aging of relaxors. <i>Physical Review B</i> , 2003, 67, .  | 1.1 | 21        |
| 128 | Dielectric properties of barium titanate ceramics modified by SiO <sub>2</sub> and by BaO <sup>+</sup> SiO <sub>2</sub> . <i>Physica B: Condensed Matter</i> , 2009, 404, 2374-2376.  | 1.3 | 21        |
| 129 | Release monitoring of single cells on a microfluidic device coupled with fluorescence microscopy and electrochemistry. <i>Biomicrofluidics</i> , 2010, 4, 043009.   | 1.2 | 21        |
| 130 | Direct synthesis of barium zirconate titanate (BZT) nanoparticles at room temperature and sintering of their ceramics at low temperature. <i>Ceramics International</i> , 2014, 40, 2747-2750.  | 2.3 | 21        |
| 131 | A strategy to reduce the angular dependence of a dye-sensitized solar cell by coupling to a TiO <sub>2</sub> nanotube photonic crystal. <i>Nanoscale</i> , 2014, 6, 13060-13067.  | 2.8 | 21        |
| 132 | Integration of Oxide Semiconductor Thin Films with Relaxor-Based Ferroelectric Single Crystals with Large Reversible and Nonvolatile Modulation of Electronic Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 32809-32817.      | 4.0 | 21        |
| 133 | Effects of ferroelectric polarization and converse piezoelectric effect induced lattice strain on the electrical properties of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , 2006, 99, 123714. | 1.1 | 20        |
| 134 | Optical properties of octahedral KTaO <sub>3</sub> nanocrystalline. <i>Materials Chemistry and Physics</i> , 2009, 115, 151-153.  | 2.0 | 20        |
| 135 | Stable 4 V-class bicontinuous cathodes by hierarchically porous carbon coating on Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanospheres. <i>Nanoscale</i> , 2014, 6, 12426-12433.  | 2.8 | 20        |
| 136 | Clam-inspired nanoparticle immobilization method using adhesive tape as microchip substrate. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 106-111.   | 4.0 | 20        |
| 137 | WO <sub>3</sub> -based capacitor <sup>+</sup> varistor doped with Gd <sub>2</sub> O <sub>3</sub> . <i>Materials Chemistry and Physics</i> , 2004, 86, 253-257.  | 2.0 | 19        |
| 138 | Perovskite barium zirconate titanate nanoparticles directly synthesized from solutions. <i>Journal of Nanoparticle Research</i> , 2006, 8, 959-963.   | 0.8 | 19        |
| 139 | Dielectric behavior and phase transition in perovskite oxide Pb(Fe <sub>1/2</sub> Nb <sub>1/2</sub> ) <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> single crystal. <i>Journal of Applied Physics</i> , 2009, 105, 124109.                            | 1.1 | 19        |
| 140 | Synthesis, characterization and ferroelectric properties of lead-free K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> nanotube arrays. <i>Journal of Applied Physics</i> , 2011, 109, .   | 1.1 | 19        |
| 141 | Semiconductor/Piezoelectrics Hybrid Heterostructures with Highly Effective Gate-Tunable Electrotransport and Magnetic Behaviors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 26932-26937.  | 4.0 | 19        |
| 142 | Reversible and nonvolatile manipulation of the electronic transport properties of topological insulators by ferroelectric polarization switching. <i>Npj Quantum Materials</i> , 2018, 3, .   | 1.8 | 19        |
| 143 | Degradation Mechanism of ZnO Ceramic Varistors Studied by Electrochemical Hydrogen Charging. <i>Japanese Journal of Applied Physics</i> , 2003, 42, L48-L50.  | 0.8 | 18        |
| 144 | Thickness dependence of in-plane dielectric and ferroelectric properties of Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> thin films epitaxially grown on LaAlO <sub>3</sub> . <i>Applied Physics Letters</i> , 2007, 90, 132902.              | 1.5 | 18        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 145 | One-step synthesis of orientation accumulation SiC-C coaxial nanocables at low temperature. <i>Journal of Materials Chemistry</i> , 2009, 19, 2958.  | 6.7 | 18        |
| 146 | Realization of planar mixing by chaotic velocity in microfluidics. <i>Microelectronic Engineering</i> , 2011, 88, 959-963.   | 1.1 | 18        |
| 147 | The strain effect and the ferroelectric field effect in $\text{LaMnO}_3/\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3/\text{PbTiO}_3$ single-crystal heterostructures. <i>Journal of Alloys and Compounds</i> , 2013, 581, 530-533.  | 2.8 | 18        |
| 148 | Effects of ferroelectric-poling-induced strain on magnetic and transport properties of $\text{La}_{0.67}\text{Ba}_{0.33}\text{MnO}_3$ thin films grown on (111)-oriented ferroelectric substrates. <i>Applied Physics Letters</i> , 2013, 103, .   | 1.5 | 18        |
| 149 | High dielectric tunability of ferroelectric $(\text{Ba}_{1-x}\text{Sr}_x)(\text{Zr}_{0.1}\text{Ti}_{0.9})\text{O}_3$ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 2589-2594.  | 1.1 | 18        |
| 150 | Substrate effect on in-plane ferroelectric and dielectric properties of $\text{Ba}_{0.7}\text{Sr}_{0.3}\text{TiO}_3$ thin films. <i>Journal of Electroceramics</i> , 2006, 16, 587-591.  | 0.8 | 17        |
| 151 | Electrospinning preparation and high-temperature superconductivity of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ nanotubes. <i>Journal of Materials Science</i> , 2013, 48, 3985-3990.  | 1.7 | 17        |
| 152 | Solvothermal synthesis of pyrochlore-type cubic tungsten trioxide hemihydrate and high photocatalytic activity. <i>New Journal of Chemistry</i> , 2014, 38, 3071-3077.   | 1.4 | 17        |
| 153 | Interface correlated exchange bias effect in epitaxial $\text{Fe}_3\text{O}_4$ thin films grown on $\text{SrTiO}_3$ substrates. <i>Applied Physics Letters</i> , 2014, 105, .  | 1.5 | 17        |
| 154 | Energy storage in $\text{BaBi}_4\text{Ti}_4\text{O}_{15}$ thin films with high efficiency. <i>Journal of Applied Physics</i> , 2019, 125, .  | 1.1 | 17        |
| 155 | Water-Induced Degradation of Barium Titanate Ceramics Studied by Electrochemical Hydrogen Charging. <i>Journal of the American Ceramic Society</i> , 2003, 86, 735-37.   | 1.9 | 16        |
| 156 | Dielectric properties and abnormal C-V characteristics of $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{TiO}_3/\text{Bi}_{1.5}\text{ZnNb}_{1.5}\text{O}_7$ composite thin films grown on $\text{MgO}$ (001) substrates by pulsed laser deposition. <i>Applied Physics Letters</i> , 2006, 89, 142905. | 1.5 | 16        |
| 157 | Material and device properties of ZnO-based film bulk acoustic resonator for mass sensing applications. <i>Applied Surface Science</i> , 2007, 253, 9372-9380.   | 3.1 | 16        |
| 158 | The model of electric field dependent dielectric properties for porous ceramics. <i>Journal of Applied Physics</i> , 2008, 103, .  | 1.1 | 16        |
| 159 | Raman scattering, electronic, and ferroelectric properties of Nd modified $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ nanotube arrays. <i>Journal of Applied Physics</i> , 2010, 107, 094105.  | 1.1 | 16        |
| 160 | Enhancement of electrochemical capacitive properties based on complementation of morphologies. <i>Electrochimica Acta</i> , 2012, 81, 1-7.   | 2.6 | 16        |
| 161 | Epitaxial growth and interface strain coupling effects in manganite film/piezoelectric-crystal multiferroic heterostructures. <i>Materials Chemistry and Physics</i> , 2012, 133, 42-46.   | 2.0 | 16        |
| 162 | Temperature-dependent fatigue behaviors of ferroelectric $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ and $\text{Pb}_{0.75}\text{La}_{0.25}\text{TiO}_3$ thin films. <i>Applied Physics Letters</i> , 2005, 87, 042904.   | 1.5 | 15        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 163 | Experimental investigation of photonic band gap in one-dimensional photonic crystals with metamaterials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 1396-1400.  | 0.9 | 15        |
| 164 | Comb-like optical transmission spectra generated from one-dimensional two-segment-connected two-material waveguide networks optimized by genetic algorithm. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1200-1207. | 0.9 | 15        |
| 165 | Fabrication of Fine- $\mu$ m Scale $\text{Pb}(\text{Zr}_{0.5}\text{Ti}_{0.5})\text{O}_3$ Piezoelectric Arrays by Aqueous Gelcasting. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2590-2595.   | 1.9 | 15        |
| 166 | Gas sensing capabilities of $\text{TiO}_2$ porous nanoceramics prepared through premature sintering. <i>Journal of Advanced Ceramics</i> , 2015, 4, 152-157.   | 8.9 | 15        |
| 167 | Singular room-temperature hydrogen sensing characteristics with ultrafast recovery of Pt Nb $2\text{O}_5$ porous composite ceramics. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 30186-30192.  | 3.8 | 15        |
| 168 | Dependence of capacitance on electrode configuration for ferroelectric films with interdigital electrodes. <i>Microelectronic Engineering</i> , 2003, 66, 880-886.   | 1.1 | 14        |
| 169 | Low temperature sintering behavior of $\text{B}_2\text{O}_3$ vapor in $\text{BaTiO}_3$ -based PTCR thermistors. <i>Sensors and Actuators A: Physical</i> , 2004, 116, 215-218.   | 2.0 | 14        |
| 170 | Temperature-dependent electrical behavior of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ -buffered $\text{Bi}_{0.9}\text{La}_{0.1}\text{FeO}_3$ thin films. <i>Journal of Applied Physics</i> , 2009, 106, .  | 1.1 | 14        |
| 171 | Shear-mode PMN-PT piezoelectric single crystal resonator for microfluidic applications. <i>Microelectronic Engineering</i> , 2011, 88, 1028-1032.  | 1.1 | 14        |
| 172 | Tunable strain effect and ferroelectric field effect on the electronic transport properties of $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ thin films. <i>Journal of Applied Physics</i> , 2012, 111, 103702.   | 1.1 | 14        |
| 173 | Interface strain coupling and its impact on the transport and magnetic properties of $\text{LaMnO}_3$ thin films grown on ferroelectrically active substrates. <i>Journal of Alloys and Compounds</i> , 2012, 519, 77-81.                                      | 2.8 | 14        |
| 174 | Electromechanical Conversion Behavior of $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ Nanorods Synthesized by Hydrothermal Method. <i>Integrated Ferroelectrics</i> , 2013, 142, 24-30.   | 0.3 | 14        |
| 175 | Heteroepitaxial growth and multiferroic properties of Mn-doped $\text{BiFeO}_3$ films on $\text{SrTiO}_3$ buffered III-V semiconductor GaAs. <i>Journal of Applied Physics</i> , 2013, 114, .  | 1.1 | 14        |
| 176 | Fabrication of copper ferrite nanowalls on ceramic surfaces by an electrochemical method. <i>Nanotechnology</i> , 2005, 16, 3097-3100.   | 1.3 | 13        |
| 177 | Fine-grained $\text{BaZr}_{0.2}\text{Ti}_{0.8}\text{O}_3$ thin films for tunable device applications. <i>Journal of Applied Physics</i> , 2007, 101, 086101.   | 1.1 | 13        |
| 178 | Ultrasonic particle trapping in microfluidic devices using soft lithography. <i>Applied Physics Letters</i> , 2008, 92, .  | 1.5 | 13        |
| 179 | Synthesis and Magnetic Characterizations of Three-Dimensional Iron Sulfide Nanostructures. <i>Crystal Growth and Design</i> , 2009, 9, 1293-1296.  | 1.4 | 13        |
| 180 | Flattening of conic reflectors via a transformation method. <i>Physical Review A</i> , 2011, 84, .   | 1.0 | 13        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 181 | Pt@WO <sub>3</sub> porous composite ceramics outstanding for sensing low concentrations of hydrogen in air at room temperature. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 6420-6424.   | 3.8 | 13        |
| 182 | Three-dimensional macroporous graphene monoliths with entrapped MoS <sub>2</sub> nanoflakes from single-step synthesis for high-performance sodium-ion batteries. <i>RSC Advances</i> , 2018, 8, 2477-2484.  | 1.7 | 13        |
| 183 | Flexoelectric fatigue in (K,Na,Li)(Nb,Sb)O <sub>3</sub> ceramics. <i>Applied Physics Letters</i> , 2018, 113, .  | 1.5 | 13        |
| 184 | Synthesis of BaZr <sub>0.75</sub> Hf <sub>0.25</sub> O <sub>3</sub> by a solid-state reaction technique and characterizations of dielectric properties. <i>Journal of Alloys and Compounds</i> , 2005, 402, 251-255.                                       | 2.8 | 12        |
| 185 | Improved dielectric properties of Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> -based composite ceramics derived from core-shell structured nanopowders. <i>Progress in Solid State Chemistry</i> , 2005, 33, 207-215.                               | 3.9 | 12        |
| 186 | A quantitative analysis on the interfacial effect in the Pt/Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> heterostructure. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 2565-2570. | 1.3 | 12        |
| 187 | Effects of electrochemical hydrogen charging on electrical properties of WO <sub>3</sub> ceramics. <i>Journal of Materials Science</i> , 2007, 42, 2524-2527.  | 1.7 | 12        |
| 188 | Hydrogen-induced degradation in SrTiO <sub>3</sub> -based grain boundary barrier layer ceramic capacitors. <i>Ceramics International</i> , 2009, 35, 953-956.  | 2.3 | 12        |
| 189 | The structural and in-plane dielectric/ferroelectric properties of the epitaxial (Ba, Sr)(Zr, Ti)O <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , 2014, 115, .   | 1.1 | 12        |
| 190 | Preparation and Extraordinary Room-Temperature CO Sensing Capabilities of Pd@SnO <sub>2</sub> Composite Nanoceramics. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 4176-4181.  | 0.9 | 12        |
| 191 | Unique elastic, dielectric and piezoelectric properties of micro-architected metamaterials. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2758-2765.  | 2.7 | 12        |
| 192 | Applications of ESEM on Materials Science: Recent Updates and a Look Forward. <i>Small Methods</i> , 2020, 4, 1900588.   | 4.6 | 12        |
| 193 | Water-induced degradation in 0.91Pb(Zn <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> @0.09PbTiO <sub>3</sub> single crystals. <i>Journal of Applied Physics</i> , 2004, 95, 5920-5921.  | 1.1 | 11        |
| 194 | Analyzing Core-Shell Structured Zinc Doped MgO Wrapped Ba <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14006-14010.  | 1.2 | 11        |
| 195 | Hydrogen-related dynamic dielectric behavior of barium titanate single crystals. <i>Applied Physics Letters</i> , 2006, 88, 202906.  | 1.5 | 11        |
| 196 | Interfacial structure of epitaxial SrTiO <sub>3</sub> on Si: experiments and simulations. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 085409.  | 1.3 | 11        |
| 197 | Large-scale synthesis of Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @C composites by a modified carbothermal reduction method as cathode material for lithium-ion batteries. <i>RSC Advances</i> , 2017, 7, 25422-25428.               | 1.7 | 11        |
| 198 | Preparation and characterization of (Ba, Sr)TiO <sub>3</sub> thin films using interdigital electrodes. <i>Microelectronic Engineering</i> , 2003, 66, 872-879.   | 1.1 | 10        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 199 | Microwave characterization of (Pb,La)TiO <sub>3</sub> thin films integrated on ZrO <sub>2</sub> ·SiO <sub>2</sub> ·Si wafers by sol-gel techniques. Applied Physics Letters, 2004, 85, 4696-4698.  | 1.5 | 10        |
| 200 | Electrical Properties and Fatigue Resistance of Polyamide 6,6 Fabrics with Nanocrystal Silver Coating. Journal of Nanoscience and Nanotechnology, 2009, 9, 3062-3066.  | 0.9 | 10        |
| 201 | Anisotropic-strain-induced monoclinic distortion and robust charge-ordering in ultrathin Pr <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> films. Journal Physics D: Applied Physics, 2009, 42, 062004.   | 1.3 | 10        |
| 202 | Hydrogen as an Unstable Shallow Donor in Oxides. Japanese Journal of Applied Physics, 2010, 49, 051103.  | 0.8 | 10        |
| 203 | Grain size modulation on BaTiO <sub>3</sub> nanoparticles synthesized at room temperature. Journal of Solid State Chemistry, 2011, 184, 2690-2694.   | 1.4 | 10        |
| 204 | Electric Field-Controlled Crystallizing CaCO <sub>3</sub> Nanostructures from Solution. Nanoscale Research Letters, 2016, 11, 120.   | 3.1 | 10        |
| 205 | Hydrogen-induced degradation in multiferroic BiFeO <sub>3</sub> ceramics. Materials Letters, 2007, 61, 4354-4357.  | 1.3 | 9         |
| 206 | Preparation and characterizations of Ba(Zr,Ti)O <sub>3</sub> /(Ba,Sr)TiO <sub>3</sub> heterostructures grown on (LaAlO <sub>3</sub> ) <sub>0.3</sub> (Sr <sub>2</sub> AlTaO <sub>6</sub> ) <sub>0.35</sub> single crystal substrates by pulsed laser deposition. Thin Solid Films, 2010, 518, e82-e84. | 0.8 | 9         |
| 207 | Effects of ferroelectric-poling-induced strain on the transport and magnetic properties of La <sub>7/8</sub> Ba <sub>1/8</sub> MnO <sub>3</sub> thin films. Journal of Applied Physics, 2010, 108, 033912.   | 1.1 | 9         |
| 208 | Control of the strain and magnetoresistance of LaMnO <sub>3</sub> thin films using the magnetostriction of Terfenol-D alloy. Journal of Applied Physics, 2010, 108, 124103.  | 1.1 | 9         |
| 209 | Magnetostrictive/piezoelectric drum magnetoelectric transducer for H <sub>2</sub> detection. International Journal of Hydrogen Energy, 2013, 38, 14915-14919.  | 3.8 | 9         |
| 210 | Ho and Ti co-doped BiFeO <sub>3</sub> multiferroic ceramics with enhanced magnetization and ultrahigh electrical resistivity. Chinese Physics B, 2014, 23, 037501.   | 0.7 | 9         |
| 211 | Effect of post-annealing on laser-ablation deposited WS <sub>2</sub> thin films. Vacuum, 2018, 152, 239-242.   | 1.6 | 9         |
| 212 | <i>In Situ</i> Observation of Ice Formation from Water Vapor by Environmental SEM. Crystal Growth and Design, 2018, 18, 6602-6608.   | 1.4 | 9         |
| 213 | Water-induced dc and ac degradations in TiO <sub>2</sub> -based ceramic capacitors. Materials Chemistry and Physics, 2003, 82, 520-524.  | 2.0 | 8         |
| 214 | Dielectric behaviors of lead zirconate titanate ceramics with coplanar electrodes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 99, 79-82.  | 1.7 | 8         |
| 215 | Effects of forming gas annealing on LiNbO <sub>3</sub> single crystals. Physica B: Condensed Matter, 2011, 406, 683-686.   | 1.3 | 8         |
| 216 | Size control of vapor bubbles on a silver film by a tuned CW laser. AIP Advances, 2012, 2, 022155.   | 0.6 | 8         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 217 | Microfluidic flow direction control using continuous-wave laser. <i>Sensors and Actuators A: Physical</i> , 2012, 188, 329-334.  | 2.0 | 8         |
| 218 | Low temperature cofirable Ca[(Li1/3Nb2/3)0.95Zr0.15]O3+ microwave dielectric ceramic with ZnOâ€“B2O3â€“SiO2 frit. <i>Ceramics International</i> , 2012, 38, 3175-3183.   | 2.3 | 8         |
| 219 | Effect of dopants on ageing properties for the PMN-0.1 PT relaxor ferroelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 1996, 7, 133.  | 1.1 | 7         |
| 220 | Microwave Characterization of BST Thin Films on LAO Interdigital Capacitor. <i>Integrated Ferroelectrics</i> , 2003, 55, 939-946.  | 0.3 | 7         |
| 221 | Impact of Pt bottom electrode on the properties of ferroelectric Bi3.25La0.75Ti3O12 capacitors. <i>Materials Letters</i> , 2007, 61, 1933-1936.  | 1.3 | 7         |
| 222 | Preparation of PbTiO3 nanoceramics based on hydrothermal nanopowders and characterization of their electrical properties. <i>Materials Chemistry and Physics</i> , 2010, 121, 10-13.   | 2.0 | 7         |
| 223 | Strong magnetoelectric coupling in solâ€“gel derived multiferroic (Pb0.76Ca0.24)TiO3â€“CoFe2O4 composite films. <i>Solid State Sciences</i> , 2012, 14, 1492-1495.   | 1.5 | 7         |
| 224 | Room-temperature large magnetic-dielectric coupling in new phase anatase VTiO4. <i>Chemical Communications</i> , 2013, 49, 10462.  | 2.2 | 7         |
| 225 | Investigation of interface states in single-negative metamaterial layered structures based on the phase properties. <i>Optics Express</i> , 2013, 21, 16742.   | 1.7 | 7         |
| 226 | Phase Transition and Optical Properties for Ultrathin KNbO<sub>3</sub> Nanowires. <i>Advances in Condensed Matter Physics</i> , 2013, 2013, 1-5.   | 0.4 | 7         |
| 227 | Magnetostrictionâ€“strainâ€“induced enhancement and modulation of photovoltaic performance in Siâ€“n<sub>T</sub>b<sub>i>x</i><sub>D</sub>y<sub>lâˆ“</sub>x<sub>F</sub>e<sub>2</sub> composite. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 641-644. | 1.8 | 7         |
| 228 | Giant conductivity enhancement of ferrite insulators induced by atomic hydrogen. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13112-13116.   | 1.3 | 7         |
| 229 | Evidencing the structural conversion of hydrothermally synthesized titanate nanorods by in situ electron microscopy. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3786-3791.   | 5.2 | 7         |
| 230 | A Hierarchically Porous Hollow Structure of Layered Bi<sub>2</sub>TiO<sub>4</sub>F<sub>2</sub> for Efficient Photocatalysis. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1892-1899.   | 1.0 | 7         |
| 231 | Silkworm Excrement Derived Inâ€“situ Coâ€“doped Nanoporous Carbon as Confining Sulfur Host for Lithium Sulfur Batteries. <i>ChemistrySelect</i> , 2019, 4, 5678-5685.  | 0.7 | 7         |
| 232 | Reversible and nonvolatile ferroelectric control of two-dimensional electronic transport properties of ZrCuSiAs-type copper oxyselenide thin films with a layered structure. <i>Physical Review Materials</i> , 2018, 2, .   | 0.9 | 7         |
| 233 | Temperature Dependence of the Initial Ageing of Dielectric Constant in a Lead Magnesium Niobate Based Ceramic. <i>Japanese Journal of Applied Physics</i> , 1998, 37, 589-592.   | 0.8 | 6         |
| 234 | Effects of frequencies of AC modulation voltage on piezoelectric-induced images using atomic force microscopy. <i>Materials Characterization</i> , 2004, 52, 319-322.  | 1.9 | 6         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 235 | Hydrogen-induced resistance degradation in NiCuZn ferrites. Physica B: Condensed Matter, 2004, 353, 41-45.   | 1.3 | 6         |
| 236 | The new technology for improving heat effect of pyroelectric infrared detector. Ceramics International, 2004, 30, 1823-1826.   | 2.3 | 6         |
| 237 | Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> Thin Film Based Ring Resonators. Integrated Ferroelectrics, 2005, 70, 151-157.  | 0.3 | 6         |
| 238 | In situ dynamical control of the strain and magnetoresistance of La <sub>0.7</sub> Ca <sub>0.15</sub> Sr <sub>0.15</sub> MnO <sub>3</sub> thin films using the magnetostriction of Terfenol-D alloy. Journal of Alloys and Compounds, 2011, 509, 4878-4881.                              | 2.8 | 6         |
| 239 | Alkaline niobate based lead-free ceramic fiber/polymer 1-3 composites: processing and electromechanical properties. Journal of Materials Science: Materials in Electronics, 2011, 22, 1697-1702.   | 1.1 | 6         |
| 240 | Barium Strontium Zirconate Titanate (Ba,Sr)(Zr,Ti)O <sub>3</sub> Thin Films for Tunable Microwave Applications. Ferroelectrics, 2011, 419, 33-38.  | 0.3 | 6         |
| 241 | Influence of multi-component glass on sintering behavior and microwave properties of Zr non-stoichiometrically substituted Ca[(Li <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> ] <sup>-1</sup> ceramic. Journal of Materials Science: Materials in Electronics, 2012, 23, 1775-1782. | 1.1 | 6         |
| 242 | Estimation of the magnetoelectric coefficient of a piezoelectric-magnetostrictive composite via finite element analysis. Journal of Applied Physics, 2013, 114, .  | 1.1 | 6         |
| 243 | Photocatalysis of Yttrium Doped BaTiO <sub>3</sub> Nanofibres Synthesized by Electrospinning. Journal of Nanomaterials, 2015, 2015, 1-6.   | 1.5 | 6         |
| 244 | Thermal shock resistance of miniaturized multilayer ceramic capacitors. Journal of Materials Science: Materials in Electronics, 1994, 5, 339-343.  | 1.1 | 5         |
| 245 | Highly c-axis oriented CaRuO <sub>3</sub> thin films on LaAlO <sub>3</sub> buffered Si(100) substrates by pulsed laser deposition. Physica Status Solidi A, 2004, 201, R101-R104.  | 1.7 | 5         |
| 246 | Behavior of a movable electrode in piezo-response mode of an atomic force microscope. Journal of Applied Physics, 2004, 95, 8431-8435.   | 1.1 | 5         |
| 247 | Conversion of Conventional NiO Powders into Nanostructures by a Simple Chemical Method. Chemistry Letters, 2005, 34, 180-181.  | 0.7 | 5         |
| 248 | Hydrogen-induced degradation in NiCuZn ferrite-based multilayer chip inductors. Materials Letters, 2005, 59, 1636-1639.  | 1.3 | 5         |
| 249 | Hydrogen-induced degradation in strontium titanate single crystals. Applied Physics A: Materials Science and Processing, 2005, 81, 631-633.  | 1.1 | 5         |
| 250 | Room temperature synthesis of titania microspheres by hydrolysis of titanium alkoxide using water vapor. Journal of Alloys and Compounds, 2006, 413, 307-311.  | 2.8 | 5         |
| 251 | A microfluidic system with embedded acoustic wave sensor for in situ detection of dynamic fluidic properties. Microelectronic Engineering, 2010, 87, 658-662.  | 1.1 | 5         |
| 252 | Temperature evolution of anisotropic stress induced highly ordered stripe magnetic domains in<br>$\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Solid State Communications, 2010, 150, 2028-2031.  | 0.9 | 5         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 253 | Arbitrary polygonal cloaks with multiple invisible regions. <i>Journal of Modern Optics</i> , 2011, 58, 14-20.   | 0.6 | 5         |
| 254 | Low-temperature synthesis and analysis of barium titanate nanoparticles with excess barium. <i>Advanced Powder Technology</i> , 2011, 22, 401-404.   | 2.0 | 5         |
| 255 | Epitaxial growth and rectification characteristics of double perovskite oxide La <sub>2</sub> NiMnO <sub>6</sub> films on Nb-SrTiO <sub>3</sub> single crystal substrates. <i>Thin Solid Films</i> , 2011, 519, 6148-6150. | 0.8 | 5         |
| 256 | Changing the scattering of sheltered targets. <i>Physical Review A</i> , 2011, 83, .   | 1.0 | 5         |
| 257 | Photocatalytically Active YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> Nanoparticles Synthesized via a Soft Chemical Route. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-5.                      | 1.5 | 5         |
| 258 | Effects of Ba and Ti co-doping on BiFeO <sub>3</sub> multiferroic ceramics optimized through two-step doping. <i>Journal of Advanced Ceramics</i> , 2016, 5, 204-209.  | 8.9 | 5         |
| 259 | Title is missing!. <i>Journal of Materials Science: Materials in Electronics</i> , 1997, 8, 195-197.   | 1.1 | 4         |
| 260 | Initial dielectric aging in a lead magnesium niobate ceramic under strong alternating current fields. <i>Materials Letters</i> , 1998, 37, 40-43.  | 1.3 | 4         |
| 261 | The influence of direct current bias on the initial aging of a doped lead magnesium niobate ceramic. <i>Journal of Materials Research</i> , 1998, 13, 675-679.   | 1.2 | 4         |
| 262 | A Phenomenological Explanation to the Dielectric Aging Mechanism of a Lead Magnesium Niobate-Based Ceramic. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 515-519.  | 0.8 | 4         |
| 263 | Effect of B <sub>2</sub> O <sub>3</sub> Vapor Doping on the Lattice Parameter and Electrical Properties in BaTiO <sub>3</sub> Ceramics. <i>Japanese Journal of Applied Physics</i> , 2003, 42, L1516-L1518.                | 0.8 | 4         |
| 264 | Effect of AC-Powered Water Electrolysis on the Structural and Optical Properties of Indium Tin Oxide Thin Films. <i>Journal of the American Ceramic Society</i> , 2005, 88, 1007-1009.                                     | 1.9 | 4         |
| 265 | Dielectric Properties of (001)-Oriented Ba(Zr <sub>0.25</sub> Ti <sub>0.75</sub> )O <sub>3</sub> Thin Films Prepared by Pulsed Laser Deposition. <i>Ferroelectrics</i> , 2007, 357, 121-127.                               | 0.3 | 4         |
| 266 | Photonic gap vanishing in one-dimensional photonic crystals with single-negative metamaterials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 2465-2470.                         | 0.9 | 4         |
| 267 | Rapid microparticle patterning by enhanced dielectrophoresis effect on a double-layer electrode substrate. <i>Electrophoresis</i> , 2011, 32, 3371-3377.   | 1.3 | 4         |
| 268 | Cloaks with multiple invisible regions. <i>Journal of Optics (United Kingdom)</i> , 2011, 13, 015105.  | 1.0 | 4         |
| 269 | Time-variant 1D photonic crystals using flowing microdroplets. <i>Optics Express</i> , 2012, 20, 24330.  | 1.7 | 4         |
| 270 | Chemical solution approach to SrTiO <sub>3</sub> synthesis using a new precursor. <i>Journal of Materials Science</i> , 2012, 47, 433-439.   | 1.7 | 4         |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 271 | Enhanced magnetoelectrical coupling in cobalt ferrite/lead lanthanum zirconate titanate 0-3 composites through phase boundary modification. <i>Materials Chemistry and Physics</i> , 2013, 143, 34-40.  | 2.0 | 4         |
| 272 | Insight into Metalized Interfaces in Nano Devices by Surface Analytical Techniques. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 27351-27356.   | 4.0 | 4         |
| 273 | Ferromagnetic and Photocatalytic Properties of Layered Perovskite LaBaCo <sub>2</sub> O <sub>6</sub> Nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 930-933.  | 0.9 | 4         |
| 274 | Ferroelectric relaxor behavior and dielectric properties of La/Y co-doped (Ba <sub>0.9</sub> Ca <sub>0.1</sub> )(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6150-6155.                 | 1.1 | 4         |
| 275 | Optical Degradation of Indium Tin Oxide Thin Films Induced by Hydrogen-Related Room Temperature Reduction. <i>Japanese Journal of Applied Physics</i> , 2003, 42, L546-L548.  | 0.8 | 3         |
| 276 | INFLUENCE OF TEMPERATURE ON THE IN-PLANE DIELECTRIC PROPERTIES OF BARIUM STRONTIUM TITANATE THIN FILMS. <i>Integrated Ferroelectrics</i> , 2005, 77, 157-164.   | 0.3 | 3         |
| 277 | INFLUENCE OF PROCESSING CONDITIONS ON THE STRUCTURE OF STRONTIUM TITANATE THIN FILMS GROWN ON SI BY LASER MBE. <i>Integrated Ferroelectrics</i> , 2006, 86, 109-116.  | 0.3 | 3         |
| 278 | Sol-Gel Template Synthesis and Photoluminescence Properties of (Pb <sub>0.5</sub> Sr <sub>0.5</sub> )TiO <sub>3</sub> Nanotube Arrays. <i>Chinese Physics Letters</i> , 2011, 28, 077702.   | 1.3 | 3         |
| 279 | Effects of ferroelectric polarization switching on the electronic transport and magnetic properties of La <sub>0.8</sub> Ce <sub>0.2</sub> MnO <sub>3</sub> epitaxial thin films. <i>Journal of Applied Physics</i> , 2013, 114, 073904.  | 1.1 | 3         |
| 280 | Electric-field-controlled interface strain coupling and non-volatile resistance switching of La <sub>1-x</sub> Ba <sub>x</sub> MnO <sub>3</sub> thin films epitaxially grown on relaxor-based ferroelectric single crystals. <i>Journal of Applied Physics</i> , 2014, 116, 113911. | 1.1 | 3         |
| 281 | Highly enhanced sinterability of fine-grained Ba <sub>0.6</sub> Sr <sub>0.4</sub> TiO <sub>3</sub> ~MgO bulk ceramics and in-situ nanocomposite thick films. <i>Ceramics International</i> , 2014, 40, 10475-10481.   | 2.3 | 3         |
| 282 | Effects of ferroelectric-poling-induced strain on the electronic transport and magnetic properties of (001)- and (111)-oriented La <sub>0.5</sub> Ba <sub>0.5</sub> MnO <sub>3</sub> thin films. <i>Materials Chemistry and Physics</i> , 2014, 144, 470-475.                       | 2.0 | 3         |
| 283 | Composite thin films consisting of fine-grained barium strontium titanate for tunable microwave devices. <i>Ceramics International</i> , 2015, 41, S567-S571.   | 2.3 | 3         |
| 284 | Studies of interface characteristics of fine-grain ferroelectric based glass-ceramic composites using impedance spectroscopy. <i>Journal of Alloys and Compounds</i> , 2016, 682, 196-202.  | 2.8 | 3         |
| 285 | Electric-field-controllable nonvolatile multilevel resistance switching of Bi <sub>0.93</sub> Sb <sub>0.07</sub> /PMN-0.29PT(111) heterostructures. <i>Applied Physics Letters</i> , 2018, 113, 223504.   | 1.5 | 3         |
| 286 | <i>In situ</i> observations for growth kinetics of water droplets on Bambusa multiplex leaves. <i>Applied Physics Letters</i> , 2019, 114, .  | 1.5 | 3         |
| 287 | Highly oriented SrTiO <sub>3</sub> thin film on Si deposited by magnetron sputtering. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2003, 21, 825-826.  | 0.9 | 2         |
| 288 | A Discernible Dielectric Aging Effect in the Undoped, N <sub>2</sub> ~H <sub>2</sub> ~Annealed Lead Magnesium Niobate~Lead Titanate Ceramic. <i>Journal of the American Ceramic Society</i> , 1997, 80, 1889-1892.  | 1.9 | 2         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 289 | Pulsed Laser Deposition of Ba <sub>0.6</sub> Sr <sub>0.4</sub> TiO <sub>3</sub> Thin Films and Their Optical Properties. Integrated Ferroelectrics, 2005, 69, 443-451.   | 0.3  | 2         |
| 290 | Structural and electrical characteristics of highly textured oxidation-free Ru thin films by DC magnetron sputtering. Journal of Alloys and Compounds, 2005, 392, 231-236.   | 2.8  | 2         |
| 291 | COMPARISON OF STRUCTURES AND PROPERTIES OF BST THIN FILMS GROWN ON LAO AND MAO SUBSTRATES. Integrated Ferroelectrics, 2006, 86, 103-108.   | 0.3  | 2         |
| 292 | Structure and Properties of Hydrogen-Charged Electrochromic Nb <sub>2</sub> O <sub>5</sub> ; Ceramics. Advanced Materials Research, 0, 79-82, 1619-1622.   | 0.3  | 2         |
| 293 | Magnetolectric properties of lead-free Li <sub>0.06</sub> K <sub>0.47</sub> Na <sub>0.47</sub> NbO <sub>3</sub> ∩CoFe <sub>2</sub> O <sub>4</sub> nanocomposite films fabricated by a one-step chemical process. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2651-2654. | 0.8  | 2         |
| 294 | Photovoltaic Devices: Direct and Seamless Coupling of TiO <sub>2</sub> Nanotube Photonic Crystal to Dye-Sensitized Solar Cell: A Single-Step Approach (Adv. Mater. 47/2011). Advanced Materials, 2011, 23, 5623-5623.  | 11.1 | 2         |
| 295 | Effects of electric-field-induced piezoelectric strain on the electronic transport properties of La <sub>0.9</sub> Ce <sub>0.1</sub> MnO <sub>3</sub> thin films. Thin Solid Films, 2012, 525, 45-48.  | 0.8  | 2         |
| 296 | Terahertz Time-Domain Spectroscopy of 0.73Pb<sub>1/3</sub>Mg<sub>2/3</sub>Nb<sub>2</sub> Single Crystal. Journal of the American Ceramic Society, 2014, 97, 1696-1699.   | 1.3  | 2         |
| 297 | Mechanochemistry of graphene: Tuning ion absorption on graphene via strain. Physica B: Condensed Matter, 2017, 527, 30-34.   | 1.3  | 2         |
| 298 | Magnetism of a relaxed single atom vacancy in graphene. Physica B: Condensed Matter, 2018, 534, 184-188.   | 1.3  | 2         |
| 299 | Negative Coriolis effect in piezoelectric metamaterials. Journal of Alloys and Compounds, 2019, 801, 262-266.  | 2.8  | 2         |
| 300 | Hydrogen-Induced Degradation in Mn-Co-Ni-O Negative-Temperature-Coefficient Thermistors. Japanese Journal of Applied Physics, 2003, 42, 6621-6622.   | 0.8  | 1         |
| 301 | Ferroelectric Properties of Pb(Zr,Ti)O <sub>3</sub> Thin Films Integrated at Low Temperatures on LaNiO <sub>3</sub> -Buffered Glass. Japanese Journal of Applied Physics, 2003, 42, 6988-6989.   | 0.8  | 1         |
| 302 | TUNABLE DIELECTRIC BEHAVIORS OF BARIUM ZIRCONATE TITANATE THIN FILMS. Integrated Ferroelectrics, 2006, 80, 443-449.  | 0.3  | 1         |
| 303 | TEM investigation of hydrogen-implanted and annealed single-crystal SrTiO <sub>3</sub> . Current Applied Physics, 2006, 6, 583-586.  | 1.1  | 1         |
| 304 | IN-PLANE DIELECTRIC PROPERTIES OF EPITAXIAL Ba(Zr <sub>0.3</sub> Ti <sub>0.7</sub> )O <sub>3</sub> THIN FILM GROWN ON LSAT (001) SINGLE CRYSTAL SUBSTRATE. Integrated Ferroelectrics, 2007, 93, 154-160.   | 0.3  | 1         |
| 305 | Tuning the Resistance of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> Thin Films by Converse Piezoelectric Effect. Ferroelectrics, 2007, 357, 87-91.   | 0.3  | 1         |
| 306 | Spark Plasma Sintering of Core-Shell Structured (Mg,Zn)O Wrapped Ba <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> ; Nanopowder. Key Engineering Materials, 2007, 334-335, 1037-1040.   | 0.4  | 1         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 307 | Structure and Dielectric Properties of Barium Strontium Titanate Thin Films Grown on LSAT Substrates. <i>Ferroelectrics</i> , 2007, 357, 160-165.   | 0.3 | 1         |
| 308 | Hydrogen-Induced Failure in ZnO Multilayer Ceramic Chip Varistors with a Zinc Phosphate Passivation Layer. <i>Journal of the American Ceramic Society</i> , 2008, 91, 2064-2066.  | 1.9 | 1         |
| 309 | Hydrogen-Induced Degradation and Aging of $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ -Based X7R Multilayer Ceramic Capacitors. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 5530.                          | 0.8 | 1         |
| 310 | Compositional Dependence of Structure and Dielectric Properties in $\text{Ba}(\text{Zr}_x\text{Ti}_{1-x})\text{O}_3$ Thin Films Grown by Pulsed Laser Deposition. <i>Ferroelectrics</i> , 2009, 387, 63-69.                     | 0.3 | 1         |
| 311 | Water-Induced Degradation in $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ Lead-Free Ceramics. <i>Journal of Electronic Materials</i> , 2009, 38, 2207-2210.   | 1.0 | 1         |
| 312 | Excess titanium in barium titanate nanoparticles directly synthesized from solution. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 1676-1679.   | 1.9 | 1         |
| 313 | Laser-actuated micro-valves and micro-pumps. , 2011, , .  |     | 1         |
| 314 | CONTROLLING THE ELECTROMAGNETIC FIELD BY INDEFINITE MEDIA WITH EXTREMELY STRONG ANISOTROPY. <i>Progress in Electromagnetics Research</i> , 2012, 130, 513-524.  | 1.6 | 1         |
| 315 | TEMPORAL MODULATION OF LIGHT INTENSITY VIA 1D TIME-VARIANT PHOTONIC CRYSTAL STRUCTURE. <i>Progress in Electromagnetics Research</i> , 2013, 135, 627-639.   | 1.6 | 1         |
| 316 | Multifunctionalization of Nanostructured Metal Oxides. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-1.   | 1.5 | 1         |
| 317 | Estimate bond angle dependence of superconducting transition temperature in NaFeAs with the first principle methods. <i>Solid State Communications</i> , 2016, 246, 12-16.  | 0.9 | 1         |
| 318 | Ferroelastic-strain-induced multiple nonvolatile resistance states in $\text{GeTe}/\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ heterostructures. <i>Journal of Materiomics</i> , 2018, 4, 412-417.      | 2.8 | 1         |
| 319 | Effects of Deposition Temperature on the Structural and Physical Properties of $\text{Ba}(\text{Fe}_{1.8}\text{Co}_{0.2})_2\text{As}_2$ Thin Film. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 869-875. | 0.8 | 1         |
| 320 | Coating of $\text{Zn}_{1-x}\text{Al}_x\text{O}$ on Cotton Fabric via a Low Temperature Hydrothermal Process and Characterizations of the Composites. <i>Journal of the Korean Physical Society</i> , 2011, 58, 902-905.         | 0.3 | 1         |
| 321 | Fabrication of the Cobalt Ferrite/Modified Sodium Bismuth Titanate 0-3 Multiferroic Composites via Diffusion-blocking. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2011, 26, 486-490.                           | 0.6 | 1         |
| 322 | Dielectric ageing and multi-peak phenomena in $\epsilon''$ -T curves for ZnO-doped PMW-PZ-PT ceramics. <i>Materials Letters</i> , 1995, 23, 261-264.  | 1.3 | 0         |
| 323 | Title is missing!. <i>Journal of Materials Science Letters</i> , 1998, 17, 1025-1027.   | 0.5 | 0         |
| 324 | Large quasi-linear electro-optical response of $\text{BaZr}_{0.75}\text{Hf}_{0.25}\text{O}_3$ thin films by pulsed laser deposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, R63-R65.  | 0.8 | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 325 | Ferroelectric and Piezoelectric Properties of Pb(Zr,Ti)O <sub>3</sub> Thin Films Integrated on SOI Wafers. Integrated Ferroelectrics, 2005, 69, 223-229.  | 0.3 | 0         |
| 326 | Preparation and Properties of Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -Ba (Hf,Ti)TiO <sub>3</sub> Lead-Free Piezoelectric Ceramics. Key Engineering Materials, 2007, 334-335, 957-960.                   | 0.4 | 0         |
| 327 | In-plane Dielectric Characterization of Epitaxial Ba(Zr <sub>0.35</sub> Ti <sub>0.65</sub> )O <sub>3</sub> Thin Films Grown on LSAT (001). Applications of Ferroelectrics, IEEE International Symposium on, 2007, , . | 0.0 | 0         |
| 328 | Study on Barium Strontium Titanate Thin Films Integrated on Si Substrates by Laser Molecular Beam Epitaxy. Advanced Materials Research, 2009, 79-82, 823-826.   | 0.3 | 0         |
| 329 | Dielectric Properties of Barium Titanate Ceramics Modified by CuO in Different Methods. Advanced Materials Research, 2012, 463-464, 276-280.  | 0.3 | 0         |
| 330 | Ultrahigh CO Sensing Capability of Au-Doped TiO <sub>2</sub> ; Porous Nanoceramics. Journal of Nanoscience and Nanotechnology, 2016, 16, 9925-9929.   | 0.9 | 0         |