

# Tomoaki Yamada

## List of Publications by Year in descending order

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149  
papers

3,201  
citations

279798

23  
h-index

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52  
g-index

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153  
docs citations

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times ranked

3484  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | RuO <sub>2</sub> clusters derived from bulk SrRuO <sub>3</sub> : Robust catalyst for oxygen evolution reaction in acid. Nano Research, 2022, 15, 1959-1965.   | 10.4 | 23        |
| 2  | Domain structures induced by tensile thermal strain in epitaxial PbTiO <sub>3</sub> films on silicon substrates. Journal of Applied Physics, 2022, 131, 035301.   | 2.5  | 2         |
| 3  | Heating Deposition of 1/4-µm Thick Y-Doped HfO <sub>2</sub> Ferroelectric Films with Good Ferroelectric and Piezoelectric Properties by Radio Frequency Magnetron Sputtering Method. Physica Status Solidi - Rapid Research Letters, 2022, 16, .                              | 2.4  | 2         |
| 4  | Unraveling the reasons behind lead phthalocyanine acting as a good absorber for near-infrared sensitive devices. Scientific Reports, 2022, 12, .  | 3.3  | 3         |
| 5  | Effect of Ni doping on the electro-optic property in K(Ta <sub>0.6</sub> Nb <sub>0.4</sub> )O <sub>3</sub> films. Japanese Journal of Applied Physics, 2022, 61, SN1005.  | 1.5  | 2         |
| 6  | Optimizing the growth of K(Ta <sub>0.6</sub> Nb <sub>0.4</sub> )O <sub>3</sub> films using pulsed laser deposition and their electro-optic property. Journal of the Ceramic Society of Japan, 2022, 130, 424-428.   | 1.1  | 2         |
| 7  | Preparation of 1/4µm thick Y-doped HfO <sub>2</sub> ferroelectric films on (111)Pt/TiO <sub>x</sub> /SiO <sub>2</sub> /(001)Si substrates by a sputtering method and their ferroelectric and piezoelectric properties. Japanese Journal of Applied Physics, 2021, 60, 031009. | 1.5  | 9         |
| 8  | Influence of cooling rate on ferroelastic domain structure for epitaxial (100)/(001)-oriented Pb(Zr <sub>1-x</sub> Ti <sub>x</sub> )O <sub>3</sub> thin films. Applied Physics Letters, 2021, 119, .  | 1.5  | 6         |
| 9  | Influence of orientation on the electro-optic effect in epitaxial Y-doped HfO <sub>2</sub> ferroelectric thin films. Japanese Journal of Applied Physics, 2021, 60, SFFB13.   | 1.5  | 7         |
| 10 | Revealing intrinsic electro-optic effect in single domain Pb(Zr, Ti)O <sub>3</sub> thin films. Applied Physics Letters, 2021, 119, .  | 3.3  | 6         |
| 11 | Growth of BaO ultrathin films on Pt(1 1 1) followed by Ti incorporation to prepare oxide crystalline approximants and quasicrystals. Applied Surface Science, 2021, 561, 150099.  | 6.1  | 6         |
| 12 | Domain structure transition in compressively strained (100)/(001) epitaxial tetragonal PZT film. Journal of Applied Physics, 2021, 129, 024101.   | 2.5  | 2         |
| 13 | Enhanced intrinsic piezoelectric response in (001)-epitaxial single c-domain Pb(Zr,Ti)O <sub>3</sub> nanorods. Applied Physics Letters, 2020, 117, .  | 3.3  | 3         |
| 14 | In Situ XRD Observation of Crystal Deformation of Piezoelectric (K,Na)NbO <sub>3</sub> Thin Films. ACS Applied Electronic Materials, 2020, 2, 2084-2089.  | 4.3  | 9         |
| 15 | Enhanced figure of merit in Pb(Zr,Ti)O <sub>3</sub> nanorods for piezoelectric energy harvesting. AIP Advances, 2020, 10, 105101.   | 1.3  | 0         |
| 16 | Large Electromechanical Responses Driven by Electrically Induced Dense Ferroelastic Domains: Beyond Morphotropic Phase Boundaries. ACS Applied Electronic Materials, 2020, 2, 1908-1916.  | 4.3  | 11        |
| 17 | Temperature dependence on the domain structure of epitaxial PbTiO <sub>3</sub> films grown on single crystal substrates with different lattice parameters. Japanese Journal of Applied Physics, 2020, 59, SPPB01.   | 1.5  | 8         |
| 18 | Growth and composition of an ultrathin Ba-Ti-O quasicrystal film and its crystalline approximant on Pt(111). Physical Review Materials, 2020, 4, .  | 2.4  | 6         |

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|----|---|-----|-----------|
| 19 | Fabrication of (Pb <sub>0.9</sub> Sr <sub>0.1</sub> )Ti <sub>3</sub> /SrTiO <sub>3</sub> artificial superlattice thin films and their electromechanical response. Journal of the Ceramic Society of Japan, 2020, 128, 431-435.                        | 1.1 | 2         |
| 20 | Large impact of strain on the electro-optic effect in (Ba, Sr)TiO <sub>3</sub> thin films: Experiment and theoretical comparison. Applied Physics Letters, 2019, 115, .   | 3.3 | 20        |
| 21 | Time-resolved X-ray diffraction system for study of Pb(Zr, Ti)O <sub>3</sub> films under a temporal electric field at BL15XU, SPring-8. Review of Scientific Instruments, 2019, 90, 093001.<br>Ferroelastic domain motion by pulsed electric field in | 1.3 | 3         |
| 22 | rhombohedral epitaxial $Pb$ thin films. Physical Review B, 2019, 100, .   | 3.2 | 3         |
| 23 | Theoretical estimation of the linear electro-optic effect in compressively strained c-domain (Ba, Sr)TiO <sub>3</sub> thin films using a phenomenological thermodynamic model. Journal of the Ceramic Society of Japan, 2019, 127, 348-352.           | 1.1 | 4         |
| 24 | Theoretical Analysis of Nanogenerators with Aligned Nanorods for Piezoelectric Energy Harvesting. Sensors and Materials, 2019, 31, 3669.  | 0.5 | 2         |
| 25 | Crystallographic orientation dependence of the sputtering yields of nickel and copper for 4-keV argon ions determined using polycrystalline targets. Nuclear Instruments & Methods in Physics Research B, 2018, 418, 34-40.                           | 1.4 | 9         |
| 26 | Control of Mg content and carrier concentration via post annealing under different Mg partial pressures for Sb-doped Mg <sub>2</sub> Si thermoelectric material. Journal of Solid State Chemistry, 2018, 258, 93-98.                                  | 2.9 | 28        |
| 27 | Significant effect of Mg-pressure-controlled annealing: non-stoichiometry and thermoelectric properties of Mg <sub>2-x</sub> Si <sub>1-x</sub> Sb <sub>x</sub> . Physical Chemistry Chemical Physics, 2018, 20, 25939-25950.                          | 2.8 | 17        |
| 28 | Domain structure transition from two to three dimensions in tensile strained (100)/(001)-oriented epitaxial tetragonal PZT film. Applied Physics Letters, 2018, 113, .  | 3.3 | 8         |
| 29 | Strong impact of SrTiO <sub>3</sub> /TiO <sub>2</sub> buffer layer on epitaxial growth and dielectric response of Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> thin films on MgO. Japanese Journal of Applied Physics, 2018, 57, 0902B1.      | 1.5 | 1         |
| 30 | Influence of deposition conditions on self-assembled growth of Pb(Zr,Ti)O <sub>3</sub> nanorods by pulsed laser deposition at elevated oxygen pressure. Journal of the Ceramic Society of Japan, 2018, 126, 276-280.                                  | 1.1 | 3         |
| 31 | Effect of in-plane tensile strain in (100)/(001)-oriented epitaxial PbTiO <sub>3</sub> films on their phase transition temperature and tetragonal distortion. Applied Physics Letters, 2017, 110, .   | 3.3 | 10        |
| 32 | High carrier concentration in Mg <sub>2</sub> Si <sub>1-x</sub> Sb <sub>x</sub> (0 ≤ x ≤ 0.10) prepared by a combination of liquid-solid reaction, ball milling, and spark plasma sintering. Intermetallics, 2017, 81, 47-51.                         | 3.9 | 5         |
| 33 | Experimental study of effect of strain on electrocaloric effect in (001)-epitaxial (Ba,Sr)TiO <sub>3</sub> thin films. Japanese Journal of Applied Physics, 2017, 56, 10PF15.   | 1.5 | 6         |
| 34 | In-situ observation of ultrafast 90° domain switching under application of an electric field in (100)/(001)-oriented tetragonal epitaxial Pb(Zr <sub>0.4</sub> Ti <sub>0.6</sub> )O <sub>3</sub> thin films. Scientific Reports, 2017, 7, 9641.       | 3.3 | 23        |
| 35 | Charge screening strategy for domain pattern control in nano-scale ferroelectric systems. Scientific Reports, 2017, 7, 5236.  | 3.3 | 14        |
| 36 | Indirect measurements of electrocaloric effect in ferroelectric thin films by positive-up-negative-down method. Journal of the Ceramic Society of Japan, 2017, 125, 441-444.  | 1.1 | 4         |

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|----|--|-----|-----------|
| 37 | Orientation change with substrate type and composition in (100)/(001)-oriented epitaxial tetragonal $\text{Pb}(\text{Zr}_x\text{Ti}_{1-x})\text{O}_3$ films. Journal of the Ceramic Society of Japan, 2017, 125, 458-462.                                    | 1.1 | 3         |
| 38 | Influence of Internal Strains of (110)-One-Axis-Oriented $(\text{Ba}_{0.5}\text{Sr}_{0.5})\text{TiO}_3$ (BST) Thin Films on Their Dielectric Behaviors. Science of Advanced Materials, 2017, 9, 1806-1809.   | 0.7 | 1         |
| 39 | Large irreversible non-180° domain switching after poling treatment in $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ films. Applied Physics Letters, 2016, 108, .  | 3.3 | 10        |
| 40 | Fabrication and characterization of (111)-epitaxial $\text{Pb}(\text{Zr}_{0.35}\text{Ti}_{0.65})\text{O}_3/\text{Pb}(\text{Zr}_{0.65}\text{Ti}_{0.35})\text{O}_3$ artificial superlattice thin films. Japanese Journal of Applied Physics, 2016, 55, 10TA20. | 1.5 | 2         |
| 41 | Significant suppression of island growth in epitaxial $(\text{Pb}, \text{La})(\text{Zr}, \text{Ti})\text{O}_3$ thin films by two-step growth technique. Journal of the Ceramic Society of Japan, 2016, 124, 1127-1131.                                       | 1.1 | 2         |
| 42 | Fabrication of Tetragonal $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ Nanorods by Focused Ion Beam and Characterization of the Domain Structure. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 1642-1646.               | 3.0 | 3         |
| 43 | Study on Face Azimuth Dependency of Surface Energy and Structure in $\text{PbTiO}_3$ . Ferroelectrics, 2016, 490, 167-173.   | 0.6 | 8         |
| 44 | Domain structure of tetragonal $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ nanorods and its size dependence. Japanese Journal of Applied Physics, 2015, 54, 10NA07.  | 1.5 | 8         |
| 45 | Phase transitions associated with competing order parameters in compressively strained $\text{SrTiO}_3$ films. Physical Review B, 2015, 91, .  | 1.1 | 1         |
| 46 | Negligible substrate clamping effect on piezoelectric response in (111)-epitaxial tetragonal $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ films. Journal of Applied Physics, 2015, 118, .   | 2.5 | 21        |
| 47 | Orientation control of epitaxial tetragonal $\text{Pb}(\text{Zr}_x\text{Ti}_{1-x})\text{O}_3$ thin films grown on (100) $\text{KTaO}_3$ substrates by tuning the $\text{Zr}/(\text{Zr} + \text{Ti})$ ratio. Applied Physics Letters, 2015, 107, .            | 3.3 | 11        |
| 48 | Fabrication and characterization of (110)-oriented $(\text{Ba}_{0.5}\text{Sr}_{0.5})\text{TiO}_3$ thin films using $\text{PdO}/\text{Pd}$ buffer layer. Japanese Journal of Applied Physics, 2015, 54, 10NA15.   | 1.5 | 8         |
| 49 | $\text{Ba}(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3$ thin films for tunable microwave applications. Ceramics International, 2015, 41, S323-S330.  | 4.8 | 9         |
| 50 | Suppressed polar distortion with enhanced Curie temperature in in-plane 90°-domain structure of $a$ -axis oriented $\text{PbTiO}_3$ Film. Applied Physics Letters, 2015, 106, .  | 3.3 | 33        |
| 51 | Interfacial dislocations in (111) oriented $(\text{Ba}_{0.7}\text{Sr}_{0.3})\text{TiO}_3$ films on $\text{SrTiO}_3$ single crystal. Applied Physics Letters, 2015, 107, 141605.  | 3.3 | 2         |
| 52 | Crystal orientation dependency of ferroelectric property in rhombohedral $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ films. Japanese Journal of Applied Physics, 2014, 53, 04ED06.   | 1.5 | 3         |
| 53 | Direct observation of intrinsic piezoelectricity of $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ by time-resolved x-ray diffraction measurement using single-crystalline films. Applied Physics Letters, 2014, 105, .   | 3.3 | 24        |
| 54 | Dielectric tunability analysis of pyrochlore $\text{Bi}_{1.5}\text{Zn}_{1.0}\text{Nb}_{1.5}\text{O}_7$ using epitaxial films on pyrochlore $\text{Bi}_2\text{Ru}_2\text{O}_7$ conductive layers. Applied Physics Letters, 2014, 104, .                       | 3.3 | 10        |

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|----|---|-----|-----------|
| 55 | Impact of pulse poling on static and dynamic ferroelastic-domain contributions in tetragonal Pb(Ti, Tj ETQq1 1 0.784314 rgBT /Overled   | 2.5 | 25        |
| 56 | Preparation and characterization of Ba(ZrxTi1-x)O3 thin films for high-frequency applications. Japanese Journal of Applied Physics, 2014, 53, 09PB04.   | 1.5 | 5         |
| 57 | Influence of Confined Polymer Structure on Proton Transport Property in Sulfonated Polyimide Thin Films. Electrochemistry, 2014, 82, 865-869.   | 1.4 | 12        |
| 58 | TEM Analysis of the Nanostructure of Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> Thin Films by MOD Method. Key Engineering Materials, 2013, 582, 19-22.  | 0.4 | 2         |
| 59 | Small-strain (100)/(001)-oriented epitaxial PbTiO <sub>3</sub> films with film thickness ranging from nano- to micrometer order grown on (100)CaF <sub>2</sub> substrates by metal organic chemical vapor deposition. Journal of Materials Research, 2013, 28, 696-701. | 2.6 | 5         |
| 60 | Direct Observation of Atomic Arrangement around 90° Domain Wall in Lead Titanate Thin Films.. Materials Research Society Symposia Proceedings, 2013, 1515, 1.   | 0.1 | 1         |
| 61 | Strain-Stable Nonlinear Dielectric Responses in Pyrochlore Bismuth Zinc Niobate Thin Films. Japanese Journal of Applied Physics, 2013, 52, 09KA13.  | 1.5 | 2         |
| 62 | Phase Boundary Shift by Thermal Strain in 100-Oriented Epitaxial Pb(ZrxTi1-x)O3 Film Grown on CaF2 Substrates. Japanese Journal of Applied Physics, 2013, 52, 09KA02.   | 1.5 | 6         |
| 63 | Nano-Structure around 90° Domain Wall and Elastic Interaction with Misfit Dislocation in PbTiO <sub>3</sub> Thin Film. Key Engineering Materials, 2013, 566, 167-170.   | 0.4 | 1         |
| 64 | Unusual 90° domain structure in (2/3)Bi(Zn1/2Ti1/2)O3-(1/3)BiFeO3 epitaxial films with giant 22% tetragonal distortion. Applied Physics Letters, 2013, 103, .   | 3.3 | 8         |
| 65 | Control of Volume Fraction of Non-180° Domains by Thermal Strain in Epitaxial Rhombohedral Pb(Zr, Tj ETQq1 1 0.784314, rgBT /Overled  | 0.1 | 2         |
| 66 | Bi4Ti3O12 Nanowall Growth Driven by Anisotropic Growth Rate and Size Control. Japanese Journal of Applied Physics, 2013, 52, 09KA09.  | 1.5 | 1         |
| 67 | Temperature and electric field stabilities of dielectric and insulating properties for c-axis-oriented CaBi4Ti4O15 films. Journal of Applied Physics, 2013, 114, .  | 2.5 | 11        |
| 68 | Influence of Ba/Sr ratio in compressively-strained (Ba,Sr)TiO <sub>3</sub> (001) films on the ferroelectric phase transition. Journal of the Ceramic Society of Japan, 2013, 121, 690-692.  | 1.1 | 5         |
| 69 | Effects of A-Site Occupancy of Bismuth Ions on the Dielectric Tunable Properties of Pyrochlore Bismuth Zinc Niobate Films. Japanese Journal of Applied Physics, 2012, 51, 09LA10.   | 1.5 | 2         |
| 70 | Anisotropic electrical properties in bismuth layer structured dielectrics with natural super lattice structure. Applied Physics Letters, 2012, 101, .   | 3.3 | 2         |
| 71 | Development of novel Pb, Li, Na and K-free piezoelectric materials for Si-based MEMS application. , 2012, , .   |     | 0         |
| 72 | Temperature and Frequency Dependencies of Ferroelectric Properties in Rhombohedral Epitaxial Pb(Zr,Ti)O3 Films with Perfect (111) Orientations Grown on CaF2 Substrates.. Materials Research Society Symposia Proceedings, 2012, 1397, 65.                              | 0.1 | 0         |

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|----|---|-----|-----------|
| 73 | Noncontact probing method for estimation of ferroelectric properties of PbTiO <sub>3</sub> -based films for microelectromechanical systems. Journal of Materials Research, 2012, 27, 1430-1435.   | 2.6 | 0         |
| 74 | Growth of (111)-oriented BaTiO <sub>3</sub> –Bi(Mg <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> epitaxial films and their crystal structure and electrical property characterizations. Journal of Applied Physics, 2012, 111, .                         | 2.5 | 15        |
| 75 | Effects of A-Site Occupancy of Bismuth Ions on the Dielectric Tunable Properties of Pyrochlore Bismuth Zinc Niobate Films. Japanese Journal of Applied Physics, 2012, 51, 09LA10.   | 1.5 | 2         |
| 76 | Strong growth orientation dependence of strain relaxation in epitaxial (Ba,Sr)TiO <sub>3</sub> films and the resulting dielectric properties. Journal of Applied Physics, 2011, 109, .  | 2.5 | 24        |
| 77 | Structure Determination and Compositional Modification of Body-Centered Tetragonal PX-Phase Lead Titanate. Chemistry of Materials, 2011, 23, 2529-2535.   | 6.7 | 18        |
| 78 | Spontaneous polarization estimation from the soft mode in strain-free epitaxial polar axis-oriented Pb(Zr,Ti)O <sub>3</sub> thick films with tetragonal symmetry. Applied Physics Letters, 2011, 98, .  | 3.3 | 23        |
| 79 | Enhancement of piezoelectric response in (100)/(001) oriented tetragonal Pb(Zr, Ti)O <sub>3</sub> films by controlling tetragonality and volume fraction of the (001) orientation. Journal of Applied Physics, 2011, 109, .                                 | 2.5 | 14        |
| 80 | Structural and dielectric properties of epitaxial (Ba,Sr)TiO <sub>3</sub> films on c-Al <sub>2</sub> O <sub>3</sub> with ultra-thin TiN sacrificial template. Journal of the Ceramic Society of Japan, 2011, 119, 261-265.                                  | 1.1 | 1         |
| 81 | Preparation and Characteristics of Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> Single-Crystalline Films by a Solid-State Process. Journal of the American Ceramic Society, 2011, 94, 3291-3295.  | 3.8 | 9         |
| 82 | Ultrafast switching of ferroelastic nanodomains in bilayered ferroelectric thin films. Applied Physics Letters, 2011, 99, 182906.   | 3.3 | 21        |
| 83 | Configuration and local elastic interaction of ferroelectric domains and misfit dislocation in PbTiO <sub>3</sub> /SrTiO <sub>3</sub> epitaxial thin films. Science and Technology of Advanced Materials, 2011, 12, 034413.                                 | 6.1 | 41        |
| 84 | Growth-mode induced defects in epitaxial SrTiO <sub>3</sub> thin films grown on single crystal LaAlO <sub>3</sub> by a two-step PLD process. Journal of Materials Research, 2011, 26, 770-774.  | 2.6 | 13        |
| 85 | Diffraction contrast analysis of 90° and 180° ferroelectric domain structures of PbTiO <sub>3</sub> thin films. Science and Technology of Advanced Materials, 2011, 12, 034403.   | 6.1 | 14        |
| 86 | Growth of (111)-Oriented Epitaxial Bi(Mg <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> Films and their Characterization. Key Engineering Materials, 2011, 485, 195-198.  | 0.4 | 7         |
| 87 | X-ray Diffraction Study of Electric-field-induced Strains in Polycrystalline BiFeO <sub>3</sub> Thin Films at Low Temperature Using Synchrotron Radiation. Journal of the Korean Physical Society, 2011, 59, 2556-2559.                                     | 0.7 | 4         |
| 88 | Orientation control of (001) and (101) in epitaxial tetragonal Pb(Zr,Ti)O <sub>3</sub> films with (100)/(001) and (110)/(101) mixture orientations. Journal of the Ceramic Society of Japan, 2010, 118, 627-630.  | 1.1 | 18        |
| 89 | Composition dependence of crystal structure and electrical properties for epitaxial films of Bi(Zn <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> -BiFeO <sub>3</sub> solid solution system. Journal of the Ceramic Society of Japan, 2010, 118, 659-663. | 1.1 | 10        |
| 90 | Effect of mechanical loading on the tuning of acoustic resonances in Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> thin films. Journal of Electroceramics, 2010, 24, 237-244.  | 2.0 | 3         |

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|-----|--|-----|-----------|
| 91  | Growth of polar axis oriented tetragonal Pb(Zr,Ti)O <sub>3</sub> films on CaF <sub>2</sub> substrates with transparent (La <sub>0.07</sub> Sr <sub>0.93</sub> )SnO <sub>3</sub> . Journal of Crystal Growth, 2010, 312, 3127-3130.   | 1.5 | 0         |
| 92  | Synchrotron X-ray diffraction study on a single nanowire of PX-phase lead titanate. Journal of the European Ceramic Society, 2010, 30, 3259-3262.  | 5.7 | 5         |
| 93  | Single crystal-like selection rules for unipolar-axis oriented tetragonal Pb(Zr,Ti)O <sub>3</sub> thick epitaxial films. Applied Physics Letters, 2010, 97, 111901.  | 3.3 | 8         |
| 94  | <i>In situ</i> Raman spectroscopy for characterization of the domain contributions to electrical and piezoelectric responses in Pb(Zr,Ti)O <sub>3</sub> films. Applied Physics Letters, 2010, 97, .                                  | 3.3 | 19        |
| 95  | Antiferrodistortive Structural Phase Transition in Compressively-Strained Epitaxial SrTiO <sub>3</sub> Film Grown on (La, Sr)(Al, Ta)O <sub>3</sub> Substrate. Integrated Ferroelectrics, 2010, 115, 57-62.                          | 0.7 | 6         |
| 96  | Integration of Coplanar Barium-Strontium Titanate Tunable Capacitors on Micro-Machined Silicon. Integrated Ferroelectrics, 2010, 115, 110-119.   | 0.7 | 0         |
| 97  | Experimental evidence for orientation property of Pb(Zr <sub>0.35</sub> Ti <sub>0.65</sub> )O <sub>3</sub> by manipulating polar axis angle using CaF <sub>2</sub> substrate. Applied Physics Letters, 2010, 96, 102905.             | 3.3 | 26        |
| 98  | Structural Property and Electric Field Response of a Single Perovskite PbTiO <sub>3</sub> Nanowire Using Micro X-ray Beam. Japanese Journal of Applied Physics, 2010, 49, 09MC09.  | 1.5 | 4         |
| 99  | Effect of Film Thickness and Crystal Orientation on the Constituent Phase in Epitaxial BiFeO <sub>3</sub> â€“BiCoO <sub>3</sub> Films Grown on SrTiO <sub>3</sub> Substrates. Japanese Journal of Applied Physics, 2010, 49, 09MB04. | 1.5 | 12        |
| 100 | Tunable thin film bulk acoustic wave resonator based on Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> thin film. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 379-385.                    | 3.0 | 45        |
| 101 | Influence of Epitaxial Growth Orientation on Residual Strain and Dielectric Properties of (Ba <sub>0.3</sub> Sr <sub>0.7</sub> )TiO <sub>3</sub> Films Grown on In-Plane Compressive Substrates. Ferroelectrics, 2010, 405, 262-267. | 0.6 | 7         |
| 102 | Comparison of BST film microwave tunable devices based on (100) and (111) MgO substrates. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 2221-2227.  | 3.0 | 4         |
| 103 | Effect of bottom electrode on dielectric property of sputtered-(Ba,Sr)TiO <sub>3</sub> films. Journal of Applied Physics, 2009, 105, 061606.   | 2.5 | 14        |
| 104 | Crystal structure and electrical property comparisons of epitaxial Pb(Zr,Ti)O <sub>3</sub> thick films grown on (100)CaF <sub>2</sub> and (100)SrTiO <sub>3</sub> substrates. Journal of Applied Physics, 2009, 105, 061614.         | 2.5 | 23        |
| 105 | Composition control and thickness dependence of {100}-oriented epitaxial BiCoO <sub>3</sub> â€“BiFeO <sub>3</sub> films grown by metalorganic chemical vapor deposition. Journal of Applied Physics, 2009, 105, 061620.              | 2.5 | 17        |
| 106 | Domain structure of (100)/(001)-oriented epitaxial PbTiO <sub>3</sub> thick films with various volume fraction of (001) orientation grown by metal organic chemical vapor deposition. Applied Physics Letters, 2009, 94, .           | 3.3 | 28        |
| 107 | Composition Dependency of Epitaxial Pb(Zr,Ti)O <sub>3</sub> Films with Different Film Thickness. Ferroelectrics, 2009, 389, 10-17.   | 0.6 | 6         |
| 108 | Determination Factors of Strain-relaxed Complex Domain Structure observed in Thick Epitaxial pb(Zr,Ti)O <sub>3</sub> Films. Materials Research Society Symposia Proceedings, 2009, 1199, 142.  | 0.1 | 1         |

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|-----|--|------|-----------|
| 109 | Growth of Epitaxial KNbO <sub>3</sub> Thick Films by Hydrothermal Method and Their Characterization. Japanese Journal of Applied Physics, 2009, 48, 09KA14.  | 1.5  | 20        |
| 110 | Piezoelectric Properties of {100}-Oriented Epitaxial BiCoO <sub>3</sub> BiFeO <sub>3</sub> Films Measured Using Synchrotron X-ray Diffraction. Japanese Journal of Applied Physics, 2009, 48, 09KD06.                                  | 1.5  | 12        |
| 111 | Geometric Phase Analysis of Nano-Scale Strain Fields Around 90° Domains in PbTiO <sub>3</sub> /SrTiO <sub>3</sub> Epitaxial Thin Film. Materials Research Society Symposia Proceedings, 2009, 1199, 12.                                | 0.1  | 2         |
| 112 | Self-Assembled Perovskite-Fluorite Oblique Nanostructures for Adaptive (Tunable) Electronics. Advanced Materials, 2009, 21, 1363-1367.   | 21.0 | 29        |
| 113 | Fabrication of conductive oxide polycrystalline BaPbO <sub>3</sub> films by chemical solution deposition and their electrical resistivity. Journal of Electroceramics, 2009, 22, 78-81.  | 2.0  | 2         |
| 114 | Polar phonons in some compressively stressed epitaxial and polycrystalline SrTiO <sub>3</sub> thin films. Journal of Electroceramics, 2009, 22, 297-301.   | 2.0  | 22        |
| 115 | Electrical tuning of dc bias induced acoustic resonances in paraelectric thin films. Journal of Applied Physics, 2008, 104, .  | 2.5  | 36        |
| 116 | Low strain sensitivity of the dielectric property of pyrochlore BiZnNbO films. Applied Physics Letters, 2008, 92, 182901.  | 3.3  | 11        |
| 117 | Crystal Structure and Electrical Properties of {100}-Oriented Epitaxial BiCoO <sub>3</sub> BiFeO <sub>3</sub> Films Grown by Metalorganic Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2008, 47, 7582.              | 1.5  | 40        |
| 118 | Growth of Epitaxial Potassium Niobate Film on (100)SrRuO <sub>3</sub> /(100)SrTiO <sub>3</sub> by Hydrothermal Method and their Electromechanical Properties. Materials Research Society Symposia Proceedings, 2008, 1139, 1.          | 0.1  | 1         |
| 119 | Reliability study of tunable ferroelectric capacitors. Journal of Applied Physics, 2008, 104, 064104.  | 2.5  | 3         |
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