

Tomoaki Yamada

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/378361/publications.pdf>

Version: 2024-02-01

149
papers

3,201
citations

279798

23
h-index

175258

52
g-index

153
all docs

153
docs citations

153
times ranked

3484
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Ferroelectric thin films: Review of materials, properties, and applications. Journal of Applied Physics, 2006, 100, . | 2.5 | 1,480 |
| 2 | Evidence for the existence of a metal-insulator-semiconductor junction at the electrode interfaces of CaCu ₃ Ti ₄ O ₁₂ thin film capacitors. Applied Physics Letters, 2007, 91, 202903. | 3.3 | 65 |
| 3 | Tuning of direct current bias-induced resonances in micromachined Ba _{0.3} Sr _{0.7} TiO ₃ thin-film capacitors. Journal of Applied Physics, 2007, 102, . | 2.5 | 55 |
| 4 | Epitaxial amorphous Ba _{0.3} Sr _{0.7} TiO ₃ film composite structure for tunable applications. Applied Physics Letters, 2006, 89, 032905. | 3.3 | 45 |
| 5 | Tunable thin film bulk acoustic wave resonator based on Ba _x Sr _{1-x} TiO ₃ thin film. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 379-385. | 3.0 | 45 |
| 6 | Strain relaxation of epitaxial SrTiO ₃ thin films on LaAlO ₃ by two-step growth technique. Applied Physics Letters, 2005, 86, 142904. | 3.3 | 43 |
| 7 | Configuration and local elastic interaction of ferroelectric domains and misfit dislocation in PbTiO ₃ /SrTiO ₃ epitaxial thin films. Science and Technology of Advanced Materials, 2011, 12, 034413. | 6.1 | 41 |
| 8 | Crystal Structure and Electrical Properties of {100}-Oriented Epitaxial BiCoO ₃ BiFeO ₃ Films Grown by Metalorganic Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2008, 47, 7582. | 1.5 | 40 |
| 9 | Epitaxial growth of SrTiO ₃ films on CeO ₂ /yttria-stabilized zirconia/Si(001) with TiO ₂ atomic layer by pulsed-laser deposition. Applied Physics Letters, 2003, 83, 4815-4817. | 3.3 | 36 |
| 10 | Electrical tuning of dc bias induced acoustic resonances in paraelectric thin films. Journal of Applied Physics, 2008, 104, . | 2.5 | 36 |
| 11 | Suppressed polar distortion with enhanced Curie temperature in in-plane 90°-domain structure of <i>c</i> -axis oriented PbTiO ₃ Film. Applied Physics Letters, 2015, 106, . | 3.3 | 33 |
| 12 | Heteroepitaxial growth of CeO ₂ thin film on Si(001) with an ultra thin YSZ buffer layer. Thin Solid Films, 2000, 371, 211-217. | 1.8 | 30 |
| 13 | In-Plane and Out-of-Plane Ferroelectric Instabilities in Epitaxial SrTiO ₃ Films. Physical Review Letters, 2006, 96, 157602. | 7.8 | 30 |
| 14 | Thick Epitaxial Pb(Zr _{0.35} ,Ti _{0.65})O ₃ Films Grown on (100)CaF ₂ Substrates with Polar-Axis-Orientation. Applied Physics Express, 0, 1, 085001. | 2.4 | 30 |
| 15 | Self-Assembled Perovskite-Fluorite Oblique Nanostructures for Adaptive (Tunable) Electronics. Advanced Materials, 2009, 21, 1363-1367. | 21.0 | 29 |
| 16 | Domain structure of (100)/(001)-oriented epitaxial PbTiO ₃ thick films with various volume fraction of (001) orientation grown by metal organic chemical vapor deposition. Applied Physics Letters, 2009, 94, . | 3.3 | 28 |
| 17 | Control of Mg content and carrier concentration via post annealing under different Mg partial pressures for Sb-doped Mg ₂ Si thermoelectric material. Journal of Solid State Chemistry, 2018, 258, 93-98. | 2.9 | 28 |
| 18 | Experimental evidence for orientation property of Pb(Zr _{0.35} Ti _{0.65})O ₃ by manipulating polar axis angle using CaF ₂ substrate. Applied Physics Letters, 2010, 96, 102905. | 3.3 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Processing and dielectric characterization of Ba _{0.3} Sr _{0.7} TiO ₃ thin films on alumina substrates. Journal of the European Ceramic Society, 2007, 27, 2945-2948. | 5.7 | 25 |
| 20 | Impact of pulse poling on static and dynamic ferroelastic-domain contributions in tetragonal Pb(Ti, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 2.5 | 25 |
| 21 | Structural and dielectric properties of strain-controlled epitaxial SrTiO ₃ thin films by two-step growth technique. Journal of Applied Physics, 2005, 98, 054105. | 2.5 | 24 |
| 22 | Strong growth orientation dependence of strain relaxation in epitaxial (Ba,Sr)TiO ₃ films and the resulting dielectric properties. Journal of Applied Physics, 2011, 109, . | 2.5 | 24 |
| 23 | Direct observation of intrinsic piezoelectricity of Pb(Zr,Ti)O ₃ by time-resolved x-ray diffraction measurement using single-crystalline films. Applied Physics Letters, 2014, 105, . | 3.3 | 24 |
| 24 | Epitaxial growth of Ba _{0.3} Sr _{0.7} TiO ₃ thin films on Al ₂ O ₃ (0001) using ultrathin TiN layer as a sacrificial template. Applied Physics Letters, 2007, 90, 142911. | 3.3 | 23 |
| 25 | Crystal structure and electrical property comparisons of epitaxial Pb(Zr,Ti)O ₃ thick films grown on (100)CaF ₂ and (100)SrTiO ₃ substrates. Journal of Applied Physics, 2009, 105, 061614. | 2.5 | 23 |
| 26 | Spontaneous polarization estimation from the soft mode in strain-free epitaxial polar axis-oriented Pb(Zr,Ti)O ₃ thick films with tetragonal symmetry. Applied Physics Letters, 2011, 98, . | 3.3 | 23 |
| 27 | In-situ observation of ultrafast 90° domain switching under application of an electric field in (100)/(001)-oriented tetragonal epitaxial Pb(Zr _{0.4} Ti _{0.6})O ₃ thin films. Scientific Reports, 2017, 7, 9641. | 3.3 | 23 |
| 28 | RuO ₂ clusters derived from bulk SrRuO ₃ : Robust catalyst for oxygen evolution reaction in acid. Nano Research, 2022, 15, 1959-1965. | 10.4 | 23 |
| 29 | Polar phonons in some compressively stressed epitaxial and polycrystalline SrTiO ₃ thin films. Journal of Electroceramics, 2009, 22, 297-301. | 2.0 | 22 |
| 30 | Effect of the Thickness of SiO ₂ under Layer on the Initial Stage of Epitaxial Growth Process of Yttria-Stabilized Zirconia (YSZ) Thin Film Deposited on Si(001) Substrate.. Journal of the Ceramic Society of Japan, 2001, 109, 766-770. | 1.3 | 21 |
| 31 | Ultrafast switching of ferroelastic nanodomains in bilayered ferroelectric thin films. Applied Physics Letters, 2011, 99, 182906. | 3.3 | 21 |
| 32 | Negligible substrate clamping effect on piezoelectric response in (111)-epitaxial tetragonal Pb(Zr, Ti)O ₃ films. Journal of Applied Physics, 2015, 118, . | 2.5 | 21 |
| 33 | Growth of Epitaxial KNbO ₃ Thick Films by Hydrothermal Method and Their Characterization. Japanese Journal of Applied Physics, 2009, 48, 09KA14. | 1.5 | 20 |
| 34 | Large impact of strain on the electro-optic effect in (Ba, Sr)TiO ₃ thin films: Experiment and theoretical comparison. Applied Physics Letters, 2019, 115, . | 3.3 | 20 |
| 35 | <i>In situ</i> Raman spectroscopy for characterization of the domain contributions to electrical and piezoelectric responses in Pb(Zr,Ti)O ₃ films. Applied Physics Letters, 2010, 97, . | 3.3 | 19 |
| 36 | Orientation control of (001) and (101) in epitaxial tetragonal Pb(Zr,Ti)O ₃ films with (100)/(001) and (110)/(101) mixture orientations. Journal of the Ceramic Society of Japan, 2010, 118, 627-630. | 1.1 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Structure Determination and Compositional Modification of Body-Centered Tetragonal PX-Phase Lead Titanate. <i>Chemistry of Materials</i> , 2011, 23, 2529-2535. | 6.7 | 18 |
| 38 | DC bias-dependent shift of the resonance frequencies in BST thin film membranes. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2007, 54, 2487-2492. | 3.0 | 17 |
| 39 | Composition control and thickness dependence of {100}-oriented epitaxial BiCoO ₃ â€“BiFeO ₃ films grown by metalorganic chemical vapor deposition. <i>Journal of Applied Physics</i> , 2009, 105, 061620. | 2.5 | 17 |
| 40 | Significant effect of Mg-pressure-controlled annealing: non-stoichiometry and thermoelectric properties of Mg₂âˆ“i>/sub>Si₁âˆ“x</sub>Sb_x. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25939-25950. | 2.8 | 17 |
| 41 | Effect of Yttria-Stabilized Zirconia Thickness on Crystal Structure and Electric Property of Epitaxial CeO ₂ /Yttria-Stabilized Zirconia Buffer Layer in Metal/Ferroelectric/Insulator/Semiconductor Structure. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 281-284. | 1.5 | 16 |
| 42 | Growth of (111)-oriented BaTiO ₃ â€“Bi(Mg _{0.5} Ti _{0.5})O ₃ epitaxial films and their crystal structure and electrical property characterizations. <i>Journal of Applied Physics</i> , 2012, 111, . | 2.5 | 15 |
| 43 | Annealing effect on dislocations in SrTiO ₃ âˆ“LaAlO ₃ heterostructures. <i>Journal of Applied Physics</i> , 2007, 101, 064102. | 2.5 | 14 |
| 44 | Effect of bottom electrode on dielectric property of sputtered-(Ba,Sr)TiO ₃ films. <i>Journal of Applied Physics</i> , 2009, 105, 061606. | 2.5 | 14 |
| 45 | Enhancement of piezoelectric response in (100)/(001) oriented tetragonal Pb(Zr, Ti)O ₃ films by controlling tetragonality and volume fraction of the (001) orientation. <i>Journal of Applied Physics</i> , 2011, 109, . | 2.5 | 14 |
| 46 | Diffraction contrast analysis of 90Â° and 180Â° ferroelectric domain structures of PbTiO₃ thin films. <i>Science and Technology of Advanced Materials</i> , 2011, 12, 034403. | 6.1 | 14 |
| 47 | Charge screening strategy for domain pattern control in nano-scale ferroelectric systems. <i>Scientific Reports</i> , 2017, 7, 5236. | 3.3 | 14 |
| 48 | Growth-mode induced defects in epitaxial SrTiO₃ thin films grown on single crystal LaAlO₃ by a two-step PLD process. <i>Journal of Materials Research</i> , 2011, 26, 770-774. | 2.6 | 13 |
| 49 | Piezoelectric Properties of {100}-Oriented Epitaxial BiCoO₃â€“BiFeO₃ Films Measured Using Synchrotron X-ray Diffraction. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 09KD06. | 1.5 | 12 |
| 50 | Effect of Film Thickness and Crystal Orientation on the Constituent Phase in Epitaxial BiFeO₃â€“BiCoO₃ Films Grown on SrTiO₃ Substrates. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 09MB04. | 1.5 | 12 |
| 51 | Influence of Confined Polymer Structure on Proton Transport Property in Sulfonated Polyimide Thin Films. <i>Electrochemistry</i> , 2014, 82, 865-869. | 1.4 | 12 |
| 52 | Phase transitions associated with competing order parameters in compressively strainedSrTiO_3 films. <i>Physical Review B</i> , 2015, 91, . | 3.0 | 12 |
| 53 | Low strain sensitivity of the dielectric property of pyrochlore Biâ€“Znâ€“Nbâ€“O films. <i>Applied Physics Letters</i> , 2008, 92, 182901. | 3.3 | 11 |
| 54 | Temperature and electric field stabilities of dielectric and insulating properties for <i>c</i>-axis-oriented CaBi ₄ Ti ₄ O ₁₅ films. <i>Journal of Applied Physics</i> , 2013, 114, . | 2.5 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Orientation control of epitaxial tetragonal $\text{Pb}(\text{Zr}_x\text{Ti}_{1-x})\text{O}_3$ thin films grown on (100) KTaO_3 substrates by tuning the $\text{Zr}/(\text{Zr}+\text{Ti})$ ratio. <i>Applied Physics Letters</i> , 2015, 107, . | 3.3 | 11 |
| 56 | Large Electromechanical Responses Driven by Electrically Induced Dense Ferroelastic Domains: Beyond Morphotropic Phase Boundaries. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1908-1916. | 4.3 | 11 |
| 57 | Composition dependence of crystal structure and electrical properties for epitaxial films of $\text{Bi}(\text{Zn}_{1/2}\text{Ti}_{1/2})\text{O}_3$ - BiFeO_3 solid solution system. <i>Journal of the Ceramic Society of Japan</i> , 2010, 118, 659-663. | 1.1 | 10 |
| 58 | 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. <i>Applied Physics Letters</i> , 2014, 104, . | 3.3 | 10 |
| 59 | Large irreversible non- 180° domain switching after poling treatment in $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ films. <i>Applied Physics Letters</i> , 2016, 108, . | 3.3 | 10 |
| 60 | Effect of in-plane tensile strain in (100)/(001)-oriented epitaxial PbTiO_3 films on their phase transition temperature and tetragonal distortion. <i>Applied Physics Letters</i> , 2017, 110, . | 3.3 | 10 |
| 61 | Linear electro-optic effect in ferroelectric HfO_2 -based epitaxial thin films. <i>Japanese Journal of Applied Physics</i> , 0, , . | 1.5 | 10 |
| 62 | Preparation and Characteristics of $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ Single-Crystalline Films by a Solid-State Process. <i>Journal of the American Ceramic Society</i> , 2011, 94, 3291-3295. | 3.8 | 9 |
| 63 | $\text{Ba}(\text{Zr Ti})\text{O}_3$ thin films for tunable microwave applications. <i>Ceramics International</i> , 2015, 41, S323-S330. | 4.8 | 9 |
| 64 | Crystallographic orientation dependence of the sputtering yields of nickel and copper for 4-keV argon ions determined using polycrystalline targets. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018, 418, 34-40. | 1.4 | 9 |
| 65 | <i>In Situ</i> XRD Observation of Crystal Deformation of Piezoelectric $(\text{K},\text{Na})\text{NbO}_3$ Thin Films. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2084-2089. | 4.3 | 9 |
| 66 | Preparation of $1\frac{1}{4}\mu\text{m}$ thick Y-doped HfO_2 ferroelectric films on $(111)\text{Pt}/\text{TiO}_x/\text{SiO}_2/(001)\text{Si}$ substrates by a sputtering method and their ferroelectric and piezoelectric properties. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 031009. | 1.5 | 9 |
| 67 | Growth Mechanism of SrTiO_3 Thin Film on $\text{CeO}_2(001)$ Surface. <i>Key Engineering Materials</i> , 2002, 228-229, 137-140. | 0.4 | 8 |
| 68 | Single crystal-like selection rules for unipolar-axis oriented tetragonal $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3$ thick epitaxial films. <i>Applied Physics Letters</i> , 2010, 97, 111901. | 3.3 | 8 |
| 69 | Growth of Orientation-Controlled Epitaxial KNbO_3 Thin Film by Hydrothermal Method. <i>Key Engineering Materials</i> , 0, 485, 199-202. | 0.4 | 8 |
| 70 | Unusual 90° domain structure in $(2/3)\text{Bi}(\text{Zn}_{1/2}\text{Ti}_{1/2})\text{O}_3$ - $(1/3)\text{BiFeO}_3$ epitaxial films with giant 22% tetragonal distortion. <i>Applied Physics Letters</i> , 2013, 103, . | 3.3 | 8 |
| 71 | Domain structure of tetragonal $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3$ nanorods and its size dependence. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 10NA07. | 1.5 | 8 |
| 72 | Fabrication and characterization of (110)-oriented $(\text{Ba}_{0.5},\text{Sr}_{0.5})\text{TiO}_3$ thin films using PdO/Pd buffer layer. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 10NA15. | 1.5 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | <i>Ab initio</i> Study on Face Azimuth Dependency of Surface Energy and Structure in PbTiO ₃ . <i>Ferroelectrics</i> , 2016, 490, 167-173. | 0.6 | 8 |
| 74 | Domain structure transition from two to three dimensions in tensile strained (100)/(001)-oriented epitaxial tetragonal PZT film. <i>Applied Physics Letters</i> , 2018, 113, . | 3.3 | 8 |
| 75 | Temperature dependence on the domain structure of epitaxial PbTiO ₃ films grown on single crystal substrates with different lattice parameters. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SPPB01. | 1.5 | 8 |
| 76 | Influence of Epitaxial Growth Orientation on Residual Strain and Dielectric Properties of (Ba _{0.3} Sr _{0.7})TiO ₃ Films Grown on In-Plane Compressive Substrates. <i>Ferroelectrics</i> , 2010, 405, 262-267. | 0.6 | 7 |
| 77 | Growth of (111)-Oriented Epitaxial Bi(Mg _{0.5} Ti _{0.5})O ₃ Films and their Characterization. <i>Key Engineering Materials</i> , 2011, 485, 195-198. | 0.4 | 7 |
| 78 | Influence of orientation on the electro-optic effect in epitaxial Y-doped HfO ₂ ferroelectric thin films. <i>Japanese Journal of Applied Physics</i> , 2021, 60, SFFB13. | 1.5 | 7 |
| 79 | Microwave phase shifters based on sol-gel derived Ba _{0.7} Sr _{0.3} TiO ₃ ferroelectric thin films. , 2007, , . | | 6 |
| 80 | Composition Dependency of Epitaxial Pb(Zr,Ti)O ₃ Films with Different Film Thickness. <i>Ferroelectrics</i> , 2009, 389, 10-17. | 0.6 | 6 |
| 81 | Antiferrodistortive Structural Phase Transition in Compressively-Strained Epitaxial SrTiO ₃ Film Grown on (La, Sr)(Al, Ta)O ₃ Substrate. <i>Integrated Ferroelectrics</i> , 2010, 115, 57-62. | 0.7 | 6 |
| 82 | Phase Boundary Shift by Thermal Strain in 100-Oriented Epitaxial Pb(ZrxTi1-x)O ₃ Film Grown on CaF ₂ Substrates. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 09KA02. | 1.5 | 6 |
| 83 | Experimental study of effect of strain on electrocaloric effect in (001)-epitaxial (Ba,Sr)TiO ₃ thin films. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 10PF15. | 1.5 | 6 |
| 84 | Influence of cooling rate on ferroelastic domain structure for epitaxial (100)/(001)-oriented Pb(Zr, Ti)O ₃ thin films. <i>Applied Physics Letters</i> , 2021, 119, . | 1.5 | 6 |
| 85 | Revealing intrinsic electro-optic effect in single domain Pb(Zr, Ti)O ₃ thin films. <i>Applied Physics Letters</i> , 2021, 119, . | 3.3 | 6 |
| 86 | Growth of BaO ultrathin films on Pt(1 1 1) followed by Ti incorporation to prepare oxide crystalline approximants and quasicrystals. <i>Applied Surface Science</i> , 2021, 561, 150099. | 6.1 | 6 |
| 87 | Growth and composition of an ultrathin Ba-Ti-O quasicrystal film and its crystalline approximant on Pt(111). <i>Physical Review Materials</i> , 2020, 4, . | 2.4 | 6 |
| 88 | Growth process approaches for improved properties of tunable ferroelectric thin films. <i>Journal of the European Ceramic Society</i> , 2007, 27, 3753-3758. | 5.7 | 5 |
| 89 | Synchrotron X-ray diffraction study on a single nanowire of PX-phase lead titanate. <i>Journal of the European Ceramic Society</i> , 2010, 30, 3259-3262. | 5.7 | 5 |
| 90 | Small-strain (100)/(001)-oriented epitaxial PbTiO ₃ films with film thickness ranging from nano- to micrometer order grown on (100)CaF ₂ substrates by metal organic chemical vapor deposition. <i>Journal of Materials Research</i> , 2013, 28, 696-701. | 2.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Influence of Ba/Sr ratio in compressively-strained (Ba,Sr)TiO ₃ (001) films on the ferroelectric phase transition. Journal of the Ceramic Society of Japan, 2013, 121, 690-692. | 1.1 | 5 |
| 92 | Preparation and characterization of Ba(ZrxTi1-x)O ₃ thin films for high-frequency applications. Japanese Journal of Applied Physics, 2014, 53, 09PB04. | 1.5 | 5 |
| 93 | High carrier concentration in Mg ₂ Si _{1-x} Sb _x (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 |
| 94 | Special Issue Ceramics Integration. Preparation of Epitaxial YSZ Thin Film Deposited on SiO ₂ /Si(001) at Room Temperature by Pulsed Laser Deposition(PLD).. Journal of the Ceramic Society of Japan, 2002, 110, 333-337. | 1.3 | 4 |
| 95 | Growth Behavior of Epitaxial MgO Films on Si(001) by Pulsed Laser Deposition. Key Engineering Materials, 2003, 253, 119-128. | 0.4 | 4 |
| 96 | Structural Property and Electric Field Response of a Single Perovskite PbTiO ₃ Nanowire Using Micro X-ray Beam. Japanese Journal of Applied Physics, 2010, 49, 09MC09. | 1.5 | 4 |
| 97 | 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 |
| 98 | 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 |
| 99 | Theoretical estimation of the linear electro-optic effect in compressively strained <i>c</i>-domain (Ba, Sr)TiO ₃ thin films using a phenomenological thermodynamic model. Journal of the Ceramic Society of Japan, 2019, 127, 348-352. | 1.1 | 4 |
| 100 | X-ray Diffraction Study of Electric-field-induced Strains in Polycrystalline BiFeO ₃ Thin Films at Low Temperature Using Synchrotron Radiation. Journal of the Korean Physical Society, 2011, 59, 2556-2559. | 0.7 | 4 |
| 101 | Effective Buffer Structures and Dielectric Properties of Epitaxial Pb(Mg _{1/3} Nb _{2/3})O ₃ Thin Films on Si Substrates. Key Engineering Materials, 2003, 248, 65-68. | 0.4 | 3 |
| 102 | RELATION BETWEEN PROCESSING, MICROSTRUCTURE AND ELECTRIC FIELD-DEPENDENT DIELECTRIC PROPERTIES OF Ba _{0.3} Sr _{0.7} TiO ₃ THIN FILMS ON ALUMINA SUBSTRATES. Integrated Ferroelectrics, 2007, 93, 119-125. | 0.7 | 3 |
| 103 | Reliability study of tunable ferroelectric capacitors. Journal of Applied Physics, 2008, 104, 064104. | 2.5 | 3 |
| 104 | Effect of mechanical loading on the tuning of acoustic resonances in Ba _x Sr _{1-x} TiO ₃ thin films. Journal of Electroceramics, 2010, 24, 237-244. | 2.0 | 3 |
| 105 | Crystal orientation dependency of ferroelectric property in rhombohedral Pb(Zr,Ti)O ₃ films. Japanese Journal of Applied Physics, 2014, 53, 04ED06. | 1.5 | 3 |
| 106 | Fabrication of Tetragonal Pb(Zr,Ti)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 |
| 107 | Orientation change with substrate type and composition in (100)/(001)-oriented epitaxial tetragonal Pb(Zr _x Ti _{1-x})O ₃ films. Journal of the Ceramic Society of Japan, 2017, 125, 458-462. | 1.1 | 3 |
| 108 | Influence of deposition conditions on self-assembled growth of Pb(Zr,Ti)O ₃ nanorods by pulsed laser deposition at elevated oxygen pressure. Journal of the Ceramic Society of Japan, 2018, 126, 276-280. | 1.1 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Fabrication of (Pb _{0.9} Sr _{0.1})Ti ₃ /SrTiO ₃ /artificial superlattice thin films and their electromechanical response. Journal of the Ceramic Society of Japan, 2020, 128, 431-435. | 1.1 | 2 |
| 128 | Domain structures induced by tensile thermal strain in epitaxial PbTiO ₃ films on silicon substrates. Journal of Applied Physics, 2022, 131, 035301. | 2.5 | 2 |
| 129 | Heating Deposition of 1/4-µm-Thick Doped HfO ₂ 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 |
| 130 | Effect of Ni doping on the electro-optic property in K(Ta _{0.6} Nb _{0.4})O ₃ films. Japanese Journal of Applied Physics, 2022, 61, SN1005. | 1.5 | 2 |
| 131 | Optimizing the growth of K(Ta _{0.6} Nb _{0.4})O ₃ films using pulsed laser deposition and their electro-optic property. Journal of the Ceramic Society of Japan, 2022, 130, 424-428. | 1.1 | 2 |
| 132 | Role of the First Atomic Layers in Epitaxial Relationship and Interface Characteristics of SrTiO ₃ Films on CeO ₂ /YSZ/Si(001). Materials Research Society Symposia Proceedings, 2002, 747, 1. | 0.1 | 1 |
| 133 | Growth of Epitaxial Potassium Niobate Film on (100)SrRuO ₃ /(100)SrTiO ₃ by Hydrothermal Method and their Electromechanical Properties. Materials Research Society Symposia Proceedings, 2008, 1139, 1. | 0.1 | 1 |
| 134 | Determination Factors of Strain-relaxed Complex Domain Structure observed in Thick Epitaxial pb(Zr,Ti)O ₃ Films. Materials Research Society Symposia Proceedings, 2009, 1199, 142. | 0.1 | 1 |
| 135 | Structural and dielectric properties of epitaxial (Ba,Sr)TiO ₃ films on c-Al ₂ O ₃ with ultra-thin TiN sacrificial template. Journal of the Ceramic Society of Japan, 2011, 119, 261-265. | 1.1 | 1 |
| 136 | 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 |
| 137 | Nano-Structure around 90° Domain Wall and Elastic Interaction with Misfit Dislocation in PbTiO ₃ Thin Film. Key Engineering Materials, 2013, 566, 167-170. | 0.4 | 1 |
| 138 | Bi ₄ Ti ₃ O ₁₂ Nanowall Growth Driven by Anisotropic Growth Rate and Size Control. Japanese Journal of Applied Physics, 2013, 52, 09KA09. | 1.5 | 1 |
| 139 | Strong impact of SrTiO ₃ /TiO ₂ buffer layer on epitaxial growth and dielectric response of Ba _{0.7} Sr _{0.3} TiO ₃ thin films on MgO. Japanese Journal of Applied Physics, 2018, 57, 0902B1. | 1.5 | 1 |
| 140 | Influence of Internal Strains of (110)-One-Axis-Oriented (Ba _{0.5} Sr _{0.5})TiO ₃ (BST) Thin Films on Their Dielectric Behaviors. Science of Advanced Materials, 2017, 9, 1806-1809. | 0.7 | 1 |
| 141 | Effects of Oxygen Partial Pressure and Laser Energy Density on the Heteroepitaxial Growth of YSZ on Si(001) by Pulsed Laser Deposition.. Journal of the Ceramic Society of Japan, 2000, 108, 777-779. | 1.3 | 0 |
| 142 | Strain Relaxation and Dislocation Confinement in Epitaxial SrTiO ₃ by Two-Step Growth Technique and the Resulting Dielectric Response. Materials Research Society Symposia Proceedings, 2005, 902, 1. | 0.1 | 0 |
| 143 | Growth of polar axis oriented tetragonal Pb(Zr,Ti)O ₃ films on CaF ₂ substrates with transparent (La _{0.07} Sr _{0.93})SnO ₃ . Journal of Crystal Growth, 2010, 312, 3127-3130. | 1.5 | 0 |
| 144 | Integration of Coplanar Barium-Strontium Titanate Tunable Capacitors on Micro-Machined Silicon. Integrated Ferroelectrics, 2010, 115, 110-119. | 0.7 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Dielectric Properties of Bismuth Layer-Structured Oxide Thin Films with Preferential Crystal Orientation at High-Temperature. <i>Key Engineering Materials</i> , 0, 485, 191-194. | 0.4 | 0 |
| 146 | Development of novel Pb, Li, Na and K-free piezoelectric materials for Si-based MEMS application. , 2012, , . | | 0 |
| 147 | Temperature and Frequency Dependencies of Ferroelectric Properties in Rhombohedral Epitaxial Pb(Zr,Ti)O ₃ Films with Perfect (111) Orientations Grown on CaF ₂ Substrates.. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1397, 65. | 0.1 | 0 |
| 148 | Noncontact probing method for estimation of ferroelectric properties of PbTiO ₃ -based films for microelectromechanical systems. <i>Journal of Materials Research</i> , 2012, 27, 1430-1435. | 2.6 | 0 |
| 149 | Enhanced figure of merit in Pb(Zr,Ti)O ₃ nanorods for piezoelectric energy harvesting. <i>AIP Advances</i> , 2020, 10, 105101. | 1.3 | 0 |