

# Takao Shimizu

## List of Publications by Year in descending order

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Version: 2024-02-01

266  
papers

11,033  
citations

44069

48  
h-index

36028

97  
g-index

279  
all docs

279  
docs citations

279  
times ranked

10255  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Effect of Film Microstructure on Domain Nucleation and Intrinsic Switching in Ferroelectric Y:HfO <sub>2</sub> Thin Film Capacitors. <i>Advanced Functional Materials</i> , 2022, 32, 2108876.  | 14.9 | 23        |
| 2  | Domain structures induced by tensile thermal strain in epitaxial PbTiO <sub>3</sub> films on silicon substrates. <i>Journal of Applied Physics</i> , 2022, 131, 035301.   | 2.5  | 2         |
| 3  | No-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. <i>Physica Status Solidi - Rapid Research Letters</i> , 2022, 16, .                           | 2.4  | 2         |
| 4  | Polar-axis-oriented epitaxial tetragonal (Bi,K)TiO <sub>3</sub> films with large remanent polarization deposited below Curie temperature by a hydrothermal method. <i>Applied Physics Letters</i> , 2022, 120, 022903.  | 3.3  | 6         |
| 5  | Lipid Profiles of Human Serum Fractions Enhanced with CD9 Antibody-Immobilized Magnetic Beads. <i>Metabolites</i> , 2022, 12, 230.  | 2.9  | 0         |
| 6  | TRACES: A Lightweight Browser for Liquid Chromatography-“Multiple Reaction Monitoring”-Mass Spectrometry Chromatograms. <i>Metabolites</i> , 2022, 12, 354.   | 2.9  | 4         |
| 7  | Preparation of orthorhombic Y-doped TaON film. <i>Journal of the Ceramic Society of Japan</i> , 2022, 130, 432-435.   | 1.1  | 2         |
| 8  | Lattice deformation and phase transition of aluminum nitride studied by density functional theory calculations. <i>Journal of the Ceramic Society of Japan</i> , 2022, 130, 452-457.  | 1.1  | 2         |
| 9  | Lower ferroelectric coercive field of ScGaN with equivalent remanent polarization as ScAlN. <i>Applied Physics Express</i> , 2022, 15, 081003.  | 2.4  | 5         |
| 10 | Enhancement of crystal anisotropy and ferroelectricity by decreasing thickness in (Al,Sc)N films. <i>Journal of the Ceramic Society of Japan</i> , 2022, 130, 436-441.  | 1.1  | 11        |
| 11 | Lamellar-like nanostructure in a relaxor ferroelectrics Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> . <i>Journal of Materials Science</i> , 2021, 56, 1231-1241.   | 3.7  | 7         |
| 12 | Mapping membrane lipids in the developing and adult mouse retina under physiological and pathological conditions using mass spectrometry. <i>Journal of Biological Chemistry</i> , 2021, 296, 100303.   | 3.4  | 12        |
| 13 | Electric-Field-Induced Ferroelectricity in 5%Y-doped Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> : Transformation from the Paraelectric Tetragonal Phase to the Ferroelectric Orthorhombic Phase. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2000589.   | 2.4  | 23        |
| 14 | Preparation of 1/4-µm 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. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 031009. | 1.5  | 9         |
| 15 | Large thermal hysteresis of ferroelectric transition in HfO <sub>2</sub> -based ferroelectric films. <i>Applied Physics Letters</i> , 2021, 118, .  | 3.3  | 19        |
| 16 | Electric-Field-Induced Ferroelectricity in 5%Y-doped Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> : Transformation from the Paraelectric Tetragonal Phase to the Ferroelectric Orthorhombic Phase. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2170023.   | 2.4  | 1         |
| 17 | Local C-V Characterization for Ferroelectric Films. , 2021, , .   |      | 0         |
| 18 | Comprehensive Study on the Kinetic Formation of the Orthorhombic Ferroelectric Phase in Epitaxial Y-Doped Ferroelectric HfO <sub>2</sub> Thin Films. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3123-3130.  | 4.3  | 32        |

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|----|---|-----|-----------|
| 19 | Growth of 0.1(Bi,Na)TiO <sub>3</sub> /0.9BaTiO <sub>3</sub> epitaxial films by pulsed laser deposition and their electric properties. Journal of the Ceramic Society of Japan, 2021, 129, 337-342.  | 1.1 | 2         |
| 20 | Impact of Deposition Temperature on Crystal Structure and Ferroelectric Properties of (Al <sub>1-x</sub> Sc <sub>x</sub> )N Films Prepared by Sputtering Method. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100302.                          | 1.8 | 6         |
| 21 | Influence of cooling rate on ferroelastic domain structure for epitaxial (100)/(001)-oriented Pb(Zr, Tj ETQq1 1 0.784314 rgBT /Overlo   | 1.5 | 6         |
| 22 | High-precision local C&V mapping for ferroelectrics using principal component analysis. Japanese Journal of Applied Physics, 2021, 60, SFFB09.  | 1.5 | 1         |
| 23 | Thickness scaling of (Al <sub>0.8</sub> Sc <sub>0.2</sub> )N films with remanent polarization beyond 100Å <sup>2</sup> around 10Ånm in thickness. Applied Physics Express, 2021, 14, 105501.  | 2.4 | 30        |
| 24 | Domain structure transition in compressively strained (100)/(001) epitaxial tetragonal PZT film. Journal of Applied Physics, 2021, 129, 024101.   | 2.5 | 2         |
| 25 | Multi-Omics Analysis to Generate Hypotheses for Mild Health Problems in Monkeys. Metabolites, 2021, 11, 701.  | 2.9 | 0         |
| 26 | Demonstration of ferroelectricity in ScGaN thin film using sputtering method. Applied Physics Letters, 2021, 119, .   | 3.3 | 15        |
| 27 | Composition dependencies of crystal structure and electrical properties of epitaxial tetragonal (Bi, Tj ETQq1 1 0.784314 rgBT /Overlo<br>depositions. Journal of Applied Physics, 2021, 130, .  | 2.5 | 3         |
| 28 | Development of Tandem Mass Tag Labeling Method for Lipid Molecules Containing Carboxy and Phosphate Groups, and Their Stability in Human Serum. Metabolites, 2021, 11, 19.  | 2.9 | 3         |
| 29 | Mitochondrial complex I inhibitors suppress tumor growth through concomitant acidification of the intra- and extracellular environment. IScience, 2021, 24, 103497.   | 4.1 | 17        |
| 30 | Thickness dependence of phase stability in epitaxial $\text{O}_{2-x}\text{Hf}_x$ films. Physical Review Materials, 2021, 5, .   | 2.4 | 10        |
| 31 | Large Piezoelectric Response in Lead-Free (Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> -Based Perovskite Thin Films by Ferroelastic Domain Switching: Beyond the Morphotropic Phase Boundary Paradigm. ACS Applied Materials & Interfaces, 2021, 13, 57532-57539. | 8.0 | 8         |
| 32 | Nax-positive glial cells in the organum vasculosum laminae terminalis produce epoxyeicosatrienoic acids to induce water intake in response to increases in [Na <sup>+</sup> ] in body fluids. Neuroscience Research, 2020, 154, 45-51.                                      | 1.9 | 10        |
| 33 | Epitaxial growth of Mg <sub>2</sub> Si films on (111) Si substrates covered with epitaxial SiC layers. Japanese Journal of Applied Physics, 2020, 59, SF1001.   | 1.5 | 4         |
| 34 | The Atlas of Inflammation Resolution (AIR). Molecular Aspects of Medicine, 2020, 74, 100894.  | 6.4 | 110       |
| 35 | Good piezoelectricity of self-polarized thick epitaxial (K,Na)NbO <sub>3</sub> films grown below the Curie temperature (240&C) using a hydrothermal method. Applied Physics Letters, 2020, 117, .   | 3.3 | 8         |
| 36 | Effects of deposition conditions on the ferroelectric properties of (Al <sub>1-x</sub> Sc <sub>x</sub> )N thin films. Journal of Applied Physics, 2020, 128, .  | 2.5 | 127       |

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|----|--|-----|-----------|
| 37 | Hepatic Levels of DHA-Containing Phospholipids Instruct SREBP1-Mediated Synthesis and Systemic Delivery of Polyunsaturated Fatty Acids. <i>IScience</i> , 2020, 23, 101495.  | 4.1 | 26        |
| 38 | Composition Dependence of Crystal Structures and Electrical Properties of Ca-Mg-Si Films Prepared by Sputtering. <i>Journal of Electronic Materials</i> , 2020, 49, 7509-7517.   | 2.2 | 1         |
| 39 | A computational search for wurtzite-structured ferroelectrics with low coercive voltages. <i>APL Materials</i> , 2020, 8, .  | 5.1 | 19        |
| 40 | Epitaxial Crystal Growth of Bismuth Silicate Driven by Fluorite-like Layers. <i>Crystal Growth and Design</i> , 2020, 20, 7163-7169.   | 3.0 | 2         |
| 41 | Fabrication and characterization of $(\text{Ca}_x\text{Sr}_{1-x})\text{Si}_2$ films prepared by co-sputtering method. <i>MRS Advances</i> , 2020, 5, 451-458.  | 0.9 | 0         |
| 42 | 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        |
| 43 | Roles of polyunsaturated fatty acids, from mediators to membranes. <i>Journal of Lipid Research</i> , 2020, 61, 1150-1160.   | 4.2 | 83        |
| 44 | Lysophosphatidylethanolamine acyltransferase 2 (LPEAT2) incorporates DHA into phospholipids and has possible functions for fatty acid-induced cell death. <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 246-252.                                 | 2.1 | 22        |
| 45 | Fabrication and characterization of $\text{ReO}_3$ -type dielectric films. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4680-4684.   | 5.5 | 0         |
| 46 | Temperature dependence on the domain structure of epitaxial $\text{PbTiO}_3$ films grown on single crystal substrates with different lattice parameters. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SPPB01.  | 1.5 | 8         |
| 47 | Thickness- and orientation- dependences of Curie temperature in ferroelectric epitaxial Y doped $\text{HfO}_2$ films. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SCGB04.   | 1.5 | 22        |
| 48 | Thermoelectric $(\text{Ba}_x\text{Sr}_{1-x})\text{Si}_2$ films prepared by sputtering method over the barium solubility limit. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SFFB02.  | 1.5 | 4         |
| 49 | Limitations of deuterium-labeled internal standards for quantitative electrospray ionization mass spectrometry analysis of fatty acid metabolites. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8814.   | 1.5 | 7         |
| 50 | Room-temperature deposition of ferroelectric $\text{HfO}_2$ -based films by the sputtering method. <i>Applied Physics Letters</i> , 2020, 116, .   | 3.3 | 28        |
| 51 | Local $\text{C}\delta\text{V}$ mapping for ferroelectrics using scanning nonlinear dielectric microscopy. <i>Journal of Applied Physics</i> , 2020, 128, 244105.   | 2.5 | 4         |
| 52 | Preparation of near-1- $\mu\text{m}$ -thick $\{100\}$ -oriented epitaxial Y-doped $\text{HfO}_2$ ferroelectric films on $(100)\text{Si}$ substrates by a radio-frequency magnetron sputtering method. <i>Journal of the Ceramic Society of Japan</i> , 2020, 128, 539-543. | 1.1 | 14        |
| 53 | High yield preparation of $\{100\}$ -oriented $(\text{K,Na})\text{NbO}_3$ thick films by hydrothermal method using amorphous niobium source. <i>Journal of the Ceramic Society of Japan</i> , 2020, 128, 512-517.  | 1.1 | 9         |
| 54 | Rapid deposition of $(\text{K,Na})\text{NbO}_3$ thick films using microwave-assisted hydrothermal technique. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SPPB02.  | 1.5 | 7         |

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|----|--|-----|-----------|
| 55 | Dependency of direct and inverse transverse piezoelectric properties on composition in self-polarized epitaxial $(\text{K}_{1-x}\text{Na}_x)\text{NbO}_3$ films grown via a hydrothermal method. Japanese Journal of Applied Physics, 2020, 59, SPPC03.        | 1.5 | 10        |
| 56 | Crystal structure, ferroelectric and piezoelectric properties of epitaxial $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ films grown by hydrothermal method. Japanese Journal of Applied Physics, 2020, 59, SPPB10.   | 1.5 | 10        |
| 57 | Optimization of deposition conditions of yttrium doped-SrZrO <sub>3</sub> thin films fabricated by pulsed laser deposition. Journal of the Ceramic Society of Japan, 2020, 128, 436-440.   | 1.1 | 4         |
| 58 | Quantification of Fatty Acids in Mammalian Tissues by Gas Chromatography-Hydrogen Flame Ionization Detection. Bio-protocol, 2020, 10, e3613.   | 0.4 | 3         |
| 59 | Cytosolic phospholipase A2 and lysophospholipid acyltransferases. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 838-845.   | 2.4 | 54        |
| 60 | Ferroelectric properties of epitaxial $\text{Bi}_2\text{SiO}_5$ thin films grown on $\text{SrTiO}_3$ substrates with various orientations. Japanese Journal of Applied Physics, 2019, 58, SLLB04.  | 1.5 | 5         |
| 61 | Ferroelectricity in $\text{YO}_{1.5}\text{-HfO}_2$ films around $1\frac{1}{4}$ m in thickness. Applied Physics Letters, 2019, 115, .   | 3.3 | 53        |
| 62 | Evaluation of phase and thermoelectric properties of thin film $\text{SrSi}_2$ . Journal of the Ceramic Society of Japan, 2019, 127, 394-398.  | 1.1 | 6         |
| 63 | Environmental Optimization Enables Maintenance of Quiescent Hematopoietic Stem Cells Ex Vivo. Cell Reports, 2019, 28, 145-158.e9.  | 6.4 | 54        |
| 64 | Polyunsaturated fatty acids promote <i>Plasmodium falciparum</i> gametocytogenesis. Biology Open, 2019, 8, .   | 1.2 | 11        |
| 65 | Electric field-induced change in the crystal structure of MOCVD-Pb(Zr,Ti)O <sub>3</sub> films near the phase boundary. Japanese Journal of Applied Physics, 2019, 58, SLLB07.  | 1.5 | 2         |
| 66 | Growth of epitaxial (K, Na)NbO <sub>3</sub> films with various orientations by hydrothermal method and their properties. Japanese Journal of Applied Physics, 2019, 58, SLLB14.  | 1.5 | 11        |
| 67 | Ferroelastic domain motion by pulsed electric field in rhombohedral epitaxial $\text{Pb}$ thin films. Applied Physics Letters, 2019, 114, .  | 3.2 | 3         |
| 68 | Effects of starting materials on the deposition behavior of hydrothermally synthesized $\{1\bar{1}0\}$ -oriented epitaxial (K,Na)NbO <sub>3</sub> thick films and their ferroelectric and piezoelectric properties. Journal of Crystal Growth, 2019, 511, 1-7. | 1.5 | 18        |
| 69 | Characterization of supported liquid extraction as a sample pretreatment method for eicosanoids and related metabolites in biological fluids. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1124, 298-307.   | 2.3 | 14        |
| 70 | Formation of the orthorhombic phase in $\text{CeO}_2\text{-HfO}_2$ solid solution epitaxial thin films and their ferroelectric properties. Applied Physics Letters, 2019, 114, .   | 3.3 | 30        |
| 71 | Preparation of $\text{CaMgSi}$ and $\text{Ca}_7\text{Mg}_7.25\text{Si}_{14}$ single phase films and their thermoelectric properties. MRS Advances, 2019, 4, 1503-1508.   | 0.9 | 3         |
| 72 | Role of the high-affinity leukotriene B4 receptor signaling in fibrosis after unilateral ureteral obstruction in mice. PLoS ONE, 2019, 14, e0202842.   | 2.5 | 11        |

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|----|---|-----|-----------|
| 73 | Effects of heat treatment and in situ high-temperature X-ray diffraction study on the formation of ferroelectric epitaxial Y-doped HfO <sub>2</sub> film. Japanese Journal of Applied Physics, 2019, 58, SBBB09.                        | 1.5 | 34        |
| 74 | Epitaxial Growth of Doped HfO <sub>2</sub> Ferroelectric Materials. , 2019, , 173-192.  |     | 3         |
| 75 | Structural Origin of Temperature-Dependent Ferroelectricity. , 2019, , 193-216.   |     | 2         |
| 76 | Electric-Field-Driven Nanosecond Ferroelastic-Domain Switching Dynamics in Epitaxial $\text{PbTiO}_3/\text{SrTiO}_3$ Overlaid with $\text{ZrO}_2$ Buffer Layer  | 7.8 | 16        |
| 77 | Deposition of orientation-controlled thick (K,Na)NbO <sub>3</sub> films on metal substrates by repeated hydrothermal deposition technique. Journal of the Ceramic Society of Japan, 2019, 127, 478-484.                                 | 1.1 | 7         |
| 78 | Isobaric mass tagging and triple quadrupole mass spectrometry to determine lipid biomarker candidates for Alzheimer's disease. PLoS ONE, 2019, 14, e0226073.  | 2.5 | 21        |
| 79 | Control of p- and n-type Conduction in Thermoelectric Non-doped Mg <sub>2</sub> Si Thin Films Prepared by Sputtering Method. MRS Advances, 2018, 3, 1355-1359.  | 0.9 | 5         |
| 80 | Growth of (111)-oriented epitaxial magnesium silicide (Mg <sub>2</sub> Si) films on (001) Al <sub>2</sub> O <sub>3</sub> substrates by RF magnetron sputtering and their properties. Journal of Materials Science, 2018, 53, 5151-5158. | 3.7 | 8         |
| 81 | Na <sup>+</sup> -mimicking ligands stabilize the inactive state of leukotriene B <sub>4</sub> receptor BLT <sub>1</sub> . Nature Chemical Biology, 2018, 14, 262-269.   | 8.0 | 80        |
| 82 | Ferroelectricity mediated by ferroelastic domain switching in HfO <sub>2</sub> -based epitaxial thin films. Applied Physics Letters, 2018, 113, .   | 3.3 | 69        |
| 83 | Formation of polar phase in Fe-doped ZrO <sub>2</sub> epitaxial thin films. Applied Physics Letters, 2018, 113, .   | 3.3 | 8         |
| 84 | 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         |
| 85 | Epitaxial ferroelectric Y-doped HfO <sub>2</sub> film grown by the RF magnetron sputtering. Japanese Journal of Applied Physics, 2018, 57, 11UF15.  | 1.5 | 15        |
| 86 | Domain orientation relationship of orthorhombic and coexisting monoclinic phases of YO <sub>1.5</sub> -doped HfO <sub>2</sub> epitaxial thin films. Japanese Journal of Applied Physics, 2018, 57, 11UF16.                              | 1.5 | 16        |
| 87 | Thickness-dependent crystal structure and electric properties of epitaxial ferroelectric Y <sub>2</sub> O <sub>3</sub> -HfO <sub>2</sub> films. Applied Physics Letters, 2018, 113, .   | 3.3 | 48        |
| 88 | Fabrication of ferroelectric Fe doped HfO <sub>2</sub> epitaxial thin films by ion-beam sputtering method and their characterization. Japanese Journal of Applied Physics, 2018, 57, 11UF02.  | 1.5 | 23        |
| 89 | Epitaxial growth of perovskite-type oxide thin film on (111)SrTiO <sub>3</sub> substrate using (101)PdO as a buffer layer. Japanese Journal of Applied Physics, 2018, 57, 11UF04.   | 1.5 | 2         |
| 90 | Ferroelectricity in HfO <sub>2</sub> and related ferroelectrics. Journal of the Ceramic Society of Japan, 2018, 126, 667-674.   | 1.1 | 22        |

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|-----|--|-----|-----------|
| 91  | Lysophosphatidic acid receptor, LPA6, regulates endothelial blood-brain barrier function: Implication for hepatic encephalopathy. <i>Biochemical and Biophysical Research Communications</i> , 2018, 501, 1048-1054.   | 2.1 | 27        |
| 92  | Stability of the orthorhombic phase in (111)-oriented $\text{YO}_{1.5}$ -substituted $\text{HfO}_2$ films. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 269-275.  | 1.1 | 8         |
| 93  | Time response demonstration of in situ lattice deformation under an applied electric field by synchrotron-based time-resolved X-ray diffraction in polar-axis-oriented epitaxial $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3$ film. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 0902B8. | 1.5 | 2         |
| 94  | Stepwise phosphorylation of leukotriene B <sub>4</sub> receptor 1 defines cellular responses to leukotriene B <sub>4</sub> . <i>Science Signaling</i> , 2018, 11, .  | 3.6 | 15        |
| 95  | The $\text{G}_{12/13}$ -coupled receptor LPA4 limits proper adipose tissue expansion and remodeling in diet-induced obesity. <i>JCI Insight</i> , 2018, 3, .   | 5.0 | 22        |
| 96  | Leukotriene receptors as potential therapeutic targets. <i>Journal of Clinical Investigation</i> , 2018, 128, 2691-2701.   | 8.2 | 129       |
| 97  | Phospholipid metabolism in health and disease. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, CL-31.   | 0.0 | 0         |
| 98  | Preparation of preferentially (111)-oriented $\text{Mg}_2\text{Si}$ thin films on (001) $\text{Al}_2\text{O}_3$ and (100) $\text{CaF}_2$ substrates and their thermoelectric properties. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 05DC02.  | 1.5 | 9         |
| 99  | Docosahexaenoic acid preserves visual function by maintaining correct disc morphology in retinal photoreceptor cells. <i>Journal of Biological Chemistry</i> , 2017, 292, 12054-12064.   | 3.4 | 113       |
| 100 | Lysophosphatidic acid acyltransferase 3 tunes the membrane status of germ cells by incorporating docosahexaenoic acid during spermatogenesis. <i>Journal of Biological Chemistry</i> , 2017, 292, 12065-12076.   | 3.4 | 53        |
| 101 | Crystal structure and dielectric/ferroelectric properties of CSD-derived $\text{HfO}_2$ - $\text{ZrO}_2$ solid solution films. <i>Ceramics International</i> , 2017, 43, S501-S505.  | 4.8 | 24        |
| 102 | Effect of in-plane tensile strain in (100)/(001)-oriented epitaxial $\text{PbTiO}_3$ films on their phase transition temperature and tetragonal distortion. <i>Applied Physics Letters</i> , 2017, 110, .  | 3.3 | 10        |
| 103 | Mediator lipidomics by liquid chromatography-tandem mass spectrometry. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 777-781.  | 2.4 | 6         |
| 104 | Effect of the film thickness on the crystal structure and ferroelectric properties of $(\text{Hf}_{0.5}\text{Zr}_{0.5})\text{O}_2$ thin films deposited on various substrates. <i>Materials Science in Semiconductor Processing</i> , 2017, 70, 239-245.   | 4.0 | 41        |
| 105 | Orchestrating Role of Apoptosis Inhibitor of Macrophage in the Resolution of Acute Lung Injury. <i>Journal of Immunology</i> , 2017, 199, 3870-3882.   | 0.8 | 23        |
| 106 | Multiplex quantitative analysis of eicosanoid mediators in human plasma and serum: Possible introduction into clinical testing. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1068-1069, 98-104.                                       | 2.3 | 17        |
| 107 | Dynamic observation of ferroelectric domain switching using scanning nonlinear dielectric microscopy. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 10PF16.   | 1.5 | 4         |
| 108 | Electric-field-induced lattice distortion in epitaxial $\text{BiFeO}_3$ thin films as determined by <i>in situ</i> time-resolved x-ray diffraction. <i>Applied Physics Letters</i> , 2017, 111, .  | 3.3 | 3         |

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|-----|---|-----|-----------|
| 109 | 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        |
| 110 | Crystal structure and magnetism in $\hat{\rho}$ -Al <sub>2</sub> O <sub>3</sub> -type Al <sub>x</sub> Fe <sub>2-x</sub> O <sub>3</sub> films on SrTiO <sub>3</sub> (111). Journal of Applied Physics, 2017, 122, 015301.  | 2.5 | 14        |
| 111 | Epitaxial growth of YO <sub>1.5</sub> doped HfO <sub>2</sub> films on (100) YSZ substrates with various concentrations. Ferroelectrics, 2017, 512, 105-110.   | 0.6 | 10        |
| 112 | Lysophosphatidylcholine acyltransferase 4 is involved in chondrogenic differentiation of ATDC5 cells. Scientific Reports, 2017, 7, 16701.   | 3.3 | 18        |
| 113 | Orientation change with substrate type and composition in (100)/(001)-oriented epitaxial tetragonal Pb(Zr <sub>x</sub> Ti <sub>1-x</sub> )O <sub>3</sub> films. Journal of the Ceramic Society of Japan, 2017, 125, 458-462.  | 1.1 | 3         |
| 114 | Lysophosphatidylethanolamine acyltransferase 1/membrane-bound acyltransferase 1 regulates morphology and function of P19C6 cell-derived neurons. FASEB Journal, 2016, 30, 2591-2601.  | 0.5 | 8         |
| 115 | Thermally stable dielectric responses in uniaxially (001)-oriented CaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> nanofilms grown on a Ca <sub>2</sub> Nb <sub>3</sub> O <sub>10</sub> nanosheet seed layer. Scientific Reports, 2016, 6, 20713.                     | 3.3 | 8         |
| 116 | Mechanism of polarization switching in wurtzite-structured zinc oxide thin films. Applied Physics Letters, 2016, 109, .   | 3.3 | 30        |
| 117 | Impact of mechanical stress on ferroelectricity in (Hf <sub>0.5</sub> Zr <sub>0.5</sub> )O <sub>2</sub> thin films. Applied Physics Letters, 2016, 108, .   | 3.3 | 187       |
| 118 | Simultaneous achievement of high dielectric constant and low temperature dependence of capacitance in (111)-oriented BaTiO <sub>3</sub> -Bi(Mg <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> -BiFeO <sub>3</sub> solid solution thin films. AIP Advances, 2016, 6, . | 1.3 | 4         |
| 119 | Evidence of ferroelectricity in ferrimagnetic $\hat{\rho}$ -Al <sub>2</sub> O <sub>3</sub> -type In <sub>0.25</sub> Fe <sub>1.75</sub> O <sub>3</sub> films. Applied Physics Letters, 2016, 109, .  | 3.3 | 15        |
| 120 | Crystal structure and compositional analysis of epitaxial (K <sub>0.56</sub> Na <sub>0.44</sub> )NbO <sub>3</sub> films prepared by hydrothermal method. Journal of Materials Research, 2016, 31, 693-701.  | 2.6 | 7         |
| 121 | Growth of (111)-oriented epitaxial and textured ferroelectric Y-doped HfO <sub>2</sub> films for downscaled devices. Applied Physics Letters, 2016, 109, .  | 3.3 | 62        |
| 122 | Orientation control and domain structure analysis of {100}-oriented epitaxial ferroelectric orthorhombic HfO <sub>2</sub> -based thin films. Journal of Applied Physics, 2016, 119, .   | 2.5 | 57        |
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