

# Takao Shimizu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

254  
papers

8,722  
citations

43  
h-index

87  
g-index

279  
ext. papers

9,836  
ext. citations

4.5  
avg, IF

6.12  
L-index

#	Paper	IF	Citations
254	Domain structures induced by tensile thermal strain in epitaxial PbTiO <sub>3</sub> films on silicon substrates. <i>Journal of Applied Physics</i> , <b>2022</b> , 131, 035301	2.5	1
253	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> , <b>2022</b> , 120, 022903	3.4	2
252	Mitochondrial complex I inhibitors suppress tumor growth through concomitant acidification of the intra- and extracellular environment.. <i>IScience</i> , <b>2021</b> , 24, 103497	6.1	3
251	Thickness dependence of phase stability in epitaxial (Hf <sub>x</sub> Zr <sub>1-x</sub> )O <sub>2</sub> films. <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	2
250	Large Piezoelectric Response in Lead-Free (BiNa)TiO-Based Perovskite Thin Films by Ferroelastic Domain Switching: Beyond the Morphotropic Phase Boundary Paradigm. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 57532-57539	9.5	0
249	Demonstration of ferroelectricity in ScGaN thin film using sputtering method. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 172901	3.4	1
248	Composition dependencies of crystal structure and electrical properties of epitaxial tetragonal (Bi, Na)TiO <sub>3</sub> BaTiO <sub>3</sub> films grown on (100)cSrRuO <sub>3</sub> /(100)SrTiO <sub>3</sub> substrates by pulsed laser depositions. <i>Journal of Applied Physics</i> , <b>2021</b> , 130, 134102	2.5	1
247	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> , <b>2021</b> , 15, 2000589	2.5	9
246	Preparation of 1 $\mu$ m 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> , <b>2021</b> , 60, 031009	1.4	5
245	Large thermal hysteresis of ferroelectric transition in HfO <sub>2</sub> -based ferroelectric films. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 112903	3.4	8
244	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> , <b>2021</b> , 15, 2170023	2.5	1
243	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> , <b>2021</b> , 3, 3123-3130	4	10
242	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. <i>Journal of the Ceramic Society of Japan</i> , <b>2021</b> , 129, 337-342	1	
241	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. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2021</b> , 218, 2100302	1.6	1
240	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> , <b>2021</b> , 56, 1231-1241	4.3	2
239	Mapping membrane lipids in the developing and adult mouse retina under physiological and pathological conditions using mass spectrometry. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100303	5.4	3
238	Influence of cooling rate on ferroelastic domain structure for epitaxial (100)/(001)-oriented Pb(Zr, Ti)O <sub>3</sub> thin films under tensile strain. <i>Japanese Journal of Applied Physics</i> , <b>2021</b> , 60, SFFB07	1.4	1

237	High-precision local $CV$ mapping for ferroelectrics using principal component analysis. <i>Japanese Journal of Applied Physics</i> , <b>2021</b> , 60, SFFB09	1.4	0
236	Thickness scaling of $(Al_{0.8}Sc_{0.2})N$ films with remanent polarization beyond $100\mu C/cm^2$ around $10\mu m$ in thickness. <i>Applied Physics Express</i> , <b>2021</b> , 14, 105501	2.4	8
235	Domain structure transition in compressively strained (100)/(001) epitaxial tetragonal PZT film. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 024101	2.5	1
234	A computational search for wurtzite-structured ferroelectrics with low coercive voltages. <i>APL Materials</i> , <b>2020</b> , 8, 121102	5.7	5
233	Epitaxial Crystal Growth of Bismuth Silicate Driven by Fluorite-like Layers. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 7163-7169	3.5	0
232	Fabrication and characterization of $(Ca_xSr_{1-x})Si_2$ films prepared by co-sputtering method. <i>MRS Advances</i> , <b>2020</b> , 5, 451-458	0.7	
231	Large Electromechanical Responses Driven by Electrically Induced Dense Ferroelastic Domains: Beyond Morphotropic Phase Boundaries. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 1908-1916	4	5
230	Roles of polyunsaturated fatty acids, from mediators to membranes. <i>Journal of Lipid Research</i> , <b>2020</b> , 61, 1150-1160	6.3	25
229	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> , <b>2020</b> , 526, 246-252	3.4	12
228	Fabrication and characterization of $ReO_3$ -type dielectric films. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 4680-4684	7.1	
227	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> , <b>2020</b> , 59, SPPB014	1.4	5
226	Thickness- and orientation- dependences of Curie temperature in ferroelectric epitaxial Y doped $HfO_2$ films. <i>Japanese Journal of Applied Physics</i> , <b>2020</b> , 59, SGGB04	1.4	17
225	Thermoelectric $(Ba_xSr_{1-x})Si_2$ films prepared by sputtering method over the barium solubility limit. <i>Japanese Journal of Applied Physics</i> , <b>2020</b> , 59, SFFB02	1.4	1
224	Quantification of Fatty Acids in Mammalian Tissues by Gas Chromatography-Hydrogen Flame Ionization Detection. <i>Bio-protocol</i> , <b>2020</b> , 10, e3613	0.9	0
223	Preparation of near- $1\mu m$ -thick {100}-oriented epitaxial Y-doped $HfO_2$ ferroelectric films on (100)Si substrates by a radio-frequency magnetron sputtering method. <i>Journal of the Ceramic Society of Japan</i> , <b>2020</b> , 128, 539-543	1	7
222	High yield preparation of (100)c-oriented $(K,Na)NbO_3$ thick films by hydrothermal method using amorphous niobium source. <i>Journal of the Ceramic Society of Japan</i> , <b>2020</b> , 128, 512-517	1	4
221	Rapid deposition of $(K,Na)NbO_3$ thick films using microwave-assisted hydrothermal technique. <i>Japanese Journal of Applied Physics</i> , <b>2020</b> , 59, SPPB02	1.4	4
220	Dependency of direct and inverse transverse piezoelectric properties on composition in self-polarized epitaxial $(K_xNa_{1-x})NbO_3$ films grown via a hydrothermal method. <i>Japanese Journal of Applied Physics</i> , <b>2020</b> , 59, SPPC03	1.4	2

219	Crystal structure, ferroelectric and piezoelectric properties of epitaxial $(1-x)(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3-x(\text{Bi}_{0.5}\text{K}_{0.5})\text{TiO}_3$ films grown by hydrothermal method. <i>Japanese Journal of Applied Physics</i> , <b>2020</b> , 59, SPPB10	1.4	2
218	Optimization of deposition conditions of yttrium doped-SrZrO <sub>3</sub> thin films fabricated by pulsed laser deposition. <i>Journal of the Ceramic Society of Japan</i> , <b>2020</b> , 128, 436-440	1	1
217	Room-temperature deposition of ferroelectric HfO <sub>2</sub> -based films by the sputtering method. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 062901	3.4	18
216	Local $\text{C}\bar{\nu}$ mapping for ferroelectrics using scanning nonlinear dielectric microscopy. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 244105	2.5	1
215	Epitaxial growth of Mg <sub>2</sub> Si films on (111) Si substrates covered with epitaxial SiC layers. <i>Japanese Journal of Applied Physics</i> , <b>2020</b> , 59, SF1001	1.4	3
214	The Atlas of Inflammation Resolution (AIR). <i>Molecular Aspects of Medicine</i> , <b>2020</b> , 74, 100894	16.7	54
213	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. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 142903	3.4	2
212	Effects of deposition conditions on the ferroelectric properties of $(\text{Al}_{1-x}\text{Sc}_x)\text{N}$ thin films. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 114103	2.5	58
211	Hepatic Levels of DHA-Containing Phospholipids Instruct SREBP1-Mediated Synthesis and Systemic Delivery of Polyunsaturated Fatty Acids. <i>iScience</i> , <b>2020</b> , 23, 101495	6.1	7
210	Composition Dependence of Crystal Structures and Electrical Properties of Ca-Mg-Si Films Prepared by Sputtering. <i>Journal of Electronic Materials</i> , <b>2020</b> , 49, 7509-7517	1.9	0
209	Na-positive glial cells in the organum vasculosum laminae terminalis produce epoxyeicosatrienoic acids to induce water intake in response to increases in [Na] in body fluids. <i>Neuroscience Research</i> , <b>2020</b> , 154, 45-51	2.9	6
208	Limitations of deuterium-labeled internal standards for quantitative electrospray ionization mass spectrometry analysis of fatty acid metabolites. <i>Rapid Communications in Mass Spectrometry</i> , <b>2020</b> , 34, e8814	2.2	3
207	Growth of epitaxial (K, Na)NbO <sub>3</sub> films with various orientations by hydrothermal method and their properties. <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, SLLB14	1.4	10
206	Ferroelastic domain motion by pulsed electric field in $(111)/(111\bar{1})$ rhombohedral epitaxial $\text{Pb}(\text{Zr}_{0.65}\text{Ti}_{0.35})\text{O}_3$ thin films: Fast switching and relaxation. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	1
205	Effects of starting materials on the deposition behavior of hydrothermally synthesized $\{1\ 0\ 0\}$ -oriented epitaxial (K,Na)NbO <sub>3</sub> thick films and their ferroelectric and piezoelectric properties. <i>Journal of Crystal Growth</i> , <b>2019</b> , 511, 1-7	1.6	9
204	Characterization of supported liquid extraction as a sample pretreatment method for eicosanoids and related metabolites in biological fluids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2019</b> , 1124, 298-307	3.2	6
203	Formation of the orthorhombic phase in CeO <sub>2</sub> -HfO <sub>2</sub> solid solution epitaxial thin films and their ferroelectric properties. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 232902	3.4	14
202	Preparation of CaMgSi and Ca <sub>7</sub> Mg <sub>7.25</sub> Si <sub>14</sub> single phase films and their thermoelectric properties. <i>MRS Advances</i> , <b>2019</b> , 4, 1503-1508	0.7	2

201	Role of the high-affinity leukotriene B4 receptor signaling in fibrosis after unilateral ureteral obstruction in mice. <i>PLoS ONE</i> , <b>2019</b> , 14, e0202842	3.7	8
200	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. <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, SB09	1.4	19
199	Epitaxial Growth of Doped HfO <sub>2</sub> Ferroelectric Materials <b>2019</b> , 173-192		2
198	Structural Origin of Temperature-Dependent Ferroelectricity <b>2019</b> , 193-216		2
197	Cytosolic phospholipase A and lysophospholipid acyltransferases. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2019</b> , 1864, 838-845	5	24
196	Ferroelectric properties of epitaxial Bi <sub>2</sub> SiO <sub>5</sub> thin films grown on SrTiO <sub>3</sub> substrates with various orientations. <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, SLLB04	1.4	2
195	Ferroelectricity in YO <sub>1.5</sub> -HfO <sub>2</sub> films around 1 μm in thickness. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 032901	3.4	36
194	Evaluation of phase and thermoelectric properties of thin film SrSi <sub>2</sub> . <i>Journal of the Ceramic Society of Japan</i> , <b>2019</b> , 127, 394-398	1	4
193	Environmental Optimization Enables Maintenance of Quiescent Hematopoietic Stem Cells Ex Vivo. <i>Cell Reports</i> , <b>2019</b> , 28, 145-158.e9	10.6	30
192	Polyunsaturated fatty acids promote gametocytogenesis. <i>Biology Open</i> , <b>2019</b> , 8,	2.2	6
191	Electric field-induced change in the crystal structure of MOCVD-Pb(Zr,Ti)O <sub>3</sub> films near the phase boundary. <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, SLLB07	1.4	2
190	Electric-Field-Driven Nanosecond Ferroelastic-Domain Switching Dynamics in Epitaxial Pb(Zr,Ti)O <sub>3</sub> Film. <i>Physical Review Letters</i> , <b>2019</b> , 123, 217601	7.4	11
189	Deposition of orientation-controlled thick (K,Na)NbO <sub>3</sub> films on metal substrates by repeated hydrothermal deposition technique. <i>Journal of the Ceramic Society of Japan</i> , <b>2019</b> , 127, 478-484	1	5
188	Isobaric mass tagging and triple quadrupole mass spectrometry to determine lipid biomarker candidates for Alzheimer's disease. <i>PLoS ONE</i> , <b>2019</b> , 14, e0226073	3.7	7
187	Control of p- and n-type Conduction in Thermoelectric Non-doped Mg <sub>2</sub> Si Thin Films Prepared by Sputtering Method. <i>MRS Advances</i> , <b>2018</b> , 3, 1355-1359	0.7	4
186	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. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 5151-5158	4.3	6
185	Na-mimicking ligands stabilize the inactive state of leukotriene B receptor BLT1. <i>Nature Chemical Biology</i> , <b>2018</b> , 14, 262-269	11.7	60
184	Stepwise phosphorylation of leukotriene B receptor 1 defines cellular responses to leukotriene B. <i>Science Signaling</i> , <b>2018</b> , 11,	8.8	9

183	The G12/13-coupled receptor LPA4 limits proper adipose tissue expansion and remodeling in diet-induced obesity. <i>JCI Insight</i> , <b>2018</b> , 3,	9.9	13
182	Leukotriene receptors as potential therapeutic targets. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 2691-2701	27.0	87
181	Ferroelectricity mediated by ferroelastic domain switching in HfO <sub>2</sub> -based epitaxial thin films. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 212901	3.4	49
180	Formation of polar phase in Fe-doped ZrO <sub>2</sub> epitaxial thin films. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 262903	3.4	7
179	Domain structure transition from two to three dimensions in tensile strained (100)/(001)-oriented epitaxial tetragonal PZT film. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 132905	3.4	6
178	Epitaxial ferroelectric Y-doped HfO <sub>2</sub> film grown by the RF magnetron sputtering. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 11UF15	1.4	10
177	Domain orientation relationship of orthorhombic and coexisting monoclinic phases of YO <sub>1.5</sub> -doped HfO <sub>2</sub> epitaxial thin films. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 11UF16	1.4	13
176	Thickness-dependent crystal structure and electric properties of epitaxial ferroelectric Y <sub>2</sub> O <sub>3</sub> -HfO <sub>2</sub> films. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 102901	3.4	39
175	Fabrication of ferroelectric Fe doped HfO <sub>2</sub> epitaxial thin films by ion-beam sputtering method and their characterization. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 11UF02	1.4	12
174	Epitaxial growth of perovskite-type oxide thin film on (111)SrTiO <sub>3</sub> substrate using (101)PdO as a buffer layer. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 11UF04	1.4	1
173	Ferroelectricity in HfO <sub>2</sub> and related ferroelectrics. <i>Journal of the Ceramic Society of Japan</i> , <b>2018</b> , 126, 667-674	1	18
172	Lysophosphatidic acid receptor, LPA, regulates endothelial blood-brain barrier function: Implication for hepatic encephalopathy. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 501, 1048-1054	2.4	19
171	Stability of the orthorhombic phase in (111)-oriented YO <sub>1.5</sub> -substituted HfO <sub>2</sub> films. <i>Journal of the Ceramic Society of Japan</i> , <b>2018</b> , 126, 269-275	1	6
170	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 Pb(Zr,Ti)O <sub>3</sub> film. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 0902B8	1.4	2
169	Preparation of preferentially (111)-oriented Mg <sub>2</sub> Si thin films on (001)Al <sub>2</sub> O <sub>3</sub> and (100)CaF <sub>2</sub> substrates and their thermoelectric properties. <i>Japanese Journal of Applied Physics</i> , <b>2017</b> , 56, 05DC02	1.4	6
168	Docosahexaenoic acid preserves visual function by maintaining correct disc morphology in retinal photoreceptor cells. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 12054-12064	5.4	75
167	Lysophosphatidic acid acyltransferase 3 tunes the membrane status of germ cells by incorporating docosahexaenoic acid during spermatogenesis. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 12065-12076	5.4	37
166	Crystal structure and dielectric/ferroelectric properties of CSD-derived HfO <sub>2</sub> -ZrO <sub>2</sub> solid solution films. <i>Ceramics International</i> , <b>2017</b> , 43, S501-S505	5.1	16

165	Effect of in-plane tensile strain in (100)/(001)-oriented epitaxial PbTiO <sub>3</sub> films on their phase transition temperature and tetragonal distortion. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 122902	3.4	8
164	Mediator lipidomics by liquid chromatography-tandem mass spectrometry. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2017</b> , 1862, 777-781	5	4
163	Effect of the film thickness on the crystal structure and ferroelectric properties of (Hf <sub>0.5</sub> Zr <sub>0.5</sub> )O <sub>2</sub> thin films deposited on various substrates. <i>Materials Science in Semiconductor Processing</i> , <b>2017</b> , 70, 239-243	4.3	29
162	Orchestrating Role of Apoptosis Inhibitor of Macrophage in the Resolution of Acute Lung Injury. <i>Journal of Immunology</i> , <b>2017</b> , 199, 3870-3882	5.3	16
161	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> , <b>2017</b> , 1068-1069, 98-104	3.2	13
160	Dynamic observation of ferroelectric domain switching using scanning nonlinear dielectric microscopy. <i>Japanese Journal of Applied Physics</i> , <b>2017</b> , 56, 10PF16	1.4	4
159	Electric-field-induced lattice distortion in epitaxial BiFeO <sub>3</sub> thin films as determined by in situ time-resolved x-ray diffraction. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 082907	3.4	2
158	In-situ observation of ultrafast 90° domain switching under application of an electric field in (100)/(001)-oriented tetragonal epitaxial Pb(ZrTi)O thin films. <i>Scientific Reports</i> , <b>2017</b> , 7, 9641	4.9	19
157	Crystal structure and magnetism in $\sqrt{3}\text{Al}_2\text{O}_3$ -type Al <sub>x</sub> Fe <sub>2-x</sub> O <sub>3</sub> films on SrTiO <sub>3</sub> (111). <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 015301	2.5	10
156	Epitaxial growth of YO <sub>1.5</sub> doped HfO <sub>2</sub> films on (100) YSZ substrates with various concentrations. <i>Ferroelectrics</i> , <b>2017</b> , 512, 105-110	0.6	10
155	Lysophosphatidylcholine acyltransferase 4 is involved in chondrogenic differentiation of ATDC5 cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 16701	4.9	8
154	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. <i>Journal of the Ceramic Society of Japan</i> , <b>2017</b> , 125, 458-462	1	3
153	The demonstration of significant ferroelectricity in epitaxial Y-doped HfO <sub>2</sub> film. <i>Scientific Reports</i> , <b>2016</b> , 6, 32931	4.9	153
152	Preparation of Ca-Si Films on (001) Al <sub>2</sub> O <sub>3</sub> Substrates by an RF Magnetron Sputtering Method and Their Electrical Properties. <i>Journal of Electronic Materials</i> , <b>2016</b> , 45, 3121-3126	1.9	5
151	Growth of {110}-one-axis-oriented perovskite-type oxide films using self-aligned epitaxial (101)PdO/(111) Pd double layers. <i>Thin Solid Films</i> , <b>2016</b> , 599, 133-137	2.2	6
150	Lysophosphatidylcholine acyltransferase 1 protects against cytotoxicity induced by polyunsaturated fatty acids. <i>FASEB Journal</i> , <b>2016</b> , 30, 2027-39	0.9	13
149	Lysophosphatidylethanolamine acyltransferase 1/membrane-bound O-acyltransferase 1 regulates morphology and function of P19C6 cell-derived neurons. <i>FASEB Journal</i> , <b>2016</b> , 30, 2591-601	0.9	5
148	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. <i>Scientific Reports</i> , <b>2016</b> , 6, 20713	4.9	8

147	Mechanism of polarization switching in wurtzite-structured zinc oxide thin films. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 102903	3.4	16
146	Impact of mechanical stress on ferroelectricity in (Hf <sub>0.5</sub> Zr <sub>0.5</sub> )O <sub>2</sub> thin films. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 262904	3.4	121
145	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. <i>AIP Advances</i> , <b>2016</b> , 6, 015304	1.5	3
144	Evidence of ferroelectricity in ferrimagnetic $\text{Al}_2\text{O}_3$ -type In <sub>0.25</sub> Fe <sub>1.75</sub> O <sub>3</sub> films. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 162901	3.4	14
143	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. <i>Journal of Materials Research</i> , <b>2016</b> , 31, 693-701	2.5	4
142	Growth of (111)-oriented epitaxial and textured ferroelectric Y-doped HfO <sub>2</sub> films for downscaled devices. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 112901	3.4	54
141	Orientation control and domain structure analysis of {100}-oriented epitaxial ferroelectric orthorhombic HfO <sub>2</sub> -based thin films. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 134101	2.5	42
140	Formation of (111) orientation-controlled ferroelectric orthorhombic HfO <sub>2</sub> thin films from solid phase via annealing. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 052903	3.4	29
139	Fabrication and characterization of (111)-epitaxial Pb(Zr <sub>0.35</sub> Ti <sub>0.65</sub> )O <sub>3</sub> /Pb(Zr <sub>0.65</sub> Ti <sub>0.35</sub> )O <sub>3</sub> artificial superlattice thin films. <i>Japanese Journal of Applied Physics</i> , <b>2016</b> , 55, 10TA20	1.4	1
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136	Imaging of intracellular fatty acids by scanning X-ray fluorescence microscopy. <i>FASEB Journal</i> , <b>2016</b> , 30, 4149-4158	0.9	10
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131	Establishment of LC-MS methods for the analysis of palmitoylated surfactant proteins. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 1370-9	6.3	3
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128	Growth of epitaxial orthorhombic YO <sub>1.5</sub> -substituted HfO <sub>2</sub> thin film. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 032910	3.4	102
127	The leukotriene B receptor BLT1 is stabilized by transmembrane helix capping mutations. <i>Biochemistry and Biophysics Reports</i> , <b>2015</b> , 4, 243-249	2.2	2
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12	Synthesis of 11,12-leukotriene A4, 11S,12S-oxido-5Z,7E,9E,14Z-eicosatetraenoic acid, a novel leukotriene of the 12-lipoxygenase pathway. <i>FEBS Letters</i> , <b>1987</b> , 213, 169-73	3.8	8
11	Effects of a single injection of anti-asialo GM1 serum on natural cytotoxicity and the growth of a regressive colonic tumor in syngeneic rats. <i>International Journal of Cancer</i> , <b>1987</b> , 40, 676-80	7.5	20
10	Enzymic synthesis of leukotriene B4 in guinea pig brain. <i>Journal of Neurochemistry</i> , <b>1987</b> , 48, 1541-6	6	45
9	Purification of a new acidic glutathione S-transferase, GST-Yn1Yn1, with a high leukotriene-C4 synthase activity from rat brain. <i>FEBS Journal</i> , <b>1987</b> , 170, 159-64		63
8	Capsaicin-induced corneal lesions in mice and the effects of chemical sympathectomy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>1987</b> , 243, 690-5	4.7	15
7	Biosynthesis and further transformations of leukotriene A4. <i>Advances in Prostaglandin, Thromboxane, and Leukotriene Research</i> , <b>1987</b> , 17A, 64-8		1
6	Corneal lesions induced by the systemic administration of capsaicin in neonatal mice and rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>1984</b> , 326, 347-51	3.4	35
5	Prostaglandin Inactivation in Normal and Sensitized Guinea-pig Lung and its Inhibition by Indomethacin. <i>Japanese Journal of Medicine</i> , <b>1976</b> , 15, 12-17		3
4	Electron microscopic studies on mineral movement of calcifying process on the hard tissues. <i>Japanese Journal of Oral Biology</i> , <b>1972</b> , 14, 560-570		9

3	No-Heating Deposition of 1- $\mu\text{m}$ -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> ,2100574	2.5	0
2	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> ,2108876	15.6	3
1	Chemokines in synovial inflammation in rheumatoid arthritis: basic and clinical aspects		2