

Takao Shimizu

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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	A G-protein-coupled receptor for leukotriene B4 that mediates chemotaxis. <i>Nature</i> , 1997 , 387, 620-4	50.4	855
253	Role of cytosolic phospholipase A2 in allergic response and parturition. <i>Nature</i> , 1997 , 390, 618-22	50.4	621
252	Arachidonic acid cascade and signal transduction. <i>Journal of Neurochemistry</i> , 1990 , 55, 1-15	6	552
251	Lipid mediators in health and disease: enzymes and receptors as therapeutic targets for the regulation of immunity and inflammation. <i>Annual Review of Pharmacology and Toxicology</i> , 2009 , 49, 123-50 ⁹	17.9	419
250	The endocannabinoid 2-arachidonoylglycerol produced by diacylglycerol lipase alpha mediates retrograde suppression of synaptic transmission. <i>Neuron</i> , 2010 , 65, 320-7	13.9	352
249	Feasibility, safety, and therapeutic efficacy of human induced pluripotent stem cell-derived cardiomyocyte sheets in a porcine ischemic cardiomyopathy model. <i>Circulation</i> , 2012 , 126, S29-37	16.7	343
248	Stabilizing the ferroelectric phase in doped hafnium oxide. <i>Journal of Applied Physics</i> , 2015 , 118, 072006	2.5	294
247	Arachidonic acid metabolites as intracellular modulators of the G protein-gated cardiac K ⁺ channel. <i>Nature</i> , 1989 , 337, 555-7	50.4	288
246	Acute lung injury by sepsis and acid aspiration: a key role for cytosolic phospholipase A2. <i>Nature Immunology</i> , 2000 , 1, 42-6	19.1	248
245	G2A is a proton-sensing G-protein-coupled receptor antagonized by lysophosphatidylcholine. <i>Journal of Biological Chemistry</i> , 2004 , 279, 42484-91	5.4	180
244	The demonstration of significant ferroelectricity in epitaxial Y-doped HfO ₂ film. <i>Scientific Reports</i> , 2016 , 6, 32931	4.9	153
243	Impact of mechanical stress on ferroelectricity in (Hf _{0.5} Zr _{0.5})O ₂ thin films. <i>Applied Physics Letters</i> , 2016 , 108, 262904	3.4	121
242	Identification of macrophage migration inhibitory factor (MIF) in human skin and its immunohistochemical localization. <i>FEBS Letters</i> , 1996 , 381, 199-202	3.8	106
241	Fatty acid remodeling by LPCAT3 enriches arachidonate in phospholipid membranes and regulates triglyceride transport. <i>ELife</i> , 2015 , 4,	8.9	103
240	Growth of epitaxial orthorhombic YO _{1.5} -substituted HfO ₂ thin film. <i>Applied Physics Letters</i> , 2015 , 107, 032910	3.4	102
239	Platelet-activating factor receptor and signal transduction. <i>Biochemical Pharmacology</i> , 1992 , 44, 1001-8	6	88
238	Leukotriene receptors as potential therapeutic targets. <i>Journal of Clinical Investigation</i> , 2018 , 128, 2691-2701	27.01	87

237	Two different promoters direct expression of two distinct forms of mRNAs of human platelet-activating factor receptor. <i>FEBS Letters</i> , 1993 , 322, 129-34	3.8	85
236	Lysophospholipid acyltransferases mediate phosphatidylcholine diversification to achieve the physical properties required in vivo. <i>Cell Metabolism</i> , 2014 , 20, 295-305	24.6	82
235	Cloning, expression and tissue distribution of rat platelet-activating-factor-receptor cDNA. <i>FEBS Journal</i> , 1994 , 221, 211-8		79
234	Docosahexaenoic acid preserves visual function by maintaining correct disc morphology in retinal photoreceptor cells. <i>Journal of Biological Chemistry</i> , 2017 , 292, 12054-12064	5.4	75
233	Cytosolic phospholipase A2: biochemical properties and physiological roles. <i>IUBMB Life</i> , 2006 , 58, 328-334	4.7	75
232	A comprehensive classification system for lipids. <i>European Journal of Lipid Science and Technology</i> , 2005 , 107, 337-364	3	71
231	Inhibition of both etoposide-induced DNA fragmentation and activation of poly(ADP-ribose) synthesis by zinc ion. <i>Biochemical and Biophysical Research Communications</i> , 1990 , 169, 1172-7	3.4	66
230	Leukotriene receptors. <i>Chemical Reviews</i> , 2011 , 111, 6231-98	68.1	63
229	Purification of a new acidic glutathione S-transferase, GST-Yn1Yn1, with a high leukotriene-C4 synthase activity from rat brain. <i>FEBS Journal</i> , 1987 , 170, 159-64		63
228	Participation of lipoxygenase products from arachidonic acid in the pathogenesis of cerebral vasospasm. <i>Journal of Neurochemistry</i> , 1988 , 50, 1145-50	6	61
227	Na-mimicking ligands stabilize the inactive state of leukotriene B receptor BLT1. <i>Nature Chemical Biology</i> , 2018 , 14, 262-269	11.7	60
226	Roxithromycin reduces the degree of bronchial hyperresponsiveness in children with asthma. <i>Chest</i> , 1994 , 106, 458-61	5.3	59
225	Effects of deposition conditions on the ferroelectric properties of (Al _{1-x} Sc _x)N thin films. <i>Journal of Applied Physics</i> , 2020 , 128, 114103	2.5	58
224	Contribution of oxygen vacancies to the ferroelectric behavior of Hf _{0.5} Zr _{0.5} O ₂ thin films. <i>Applied Physics Letters</i> , 2015 , 106, 112904	3.4	55
223	The Atlas of Inflammation Resolution (AIR). <i>Molecular Aspects of Medicine</i> , 2020 , 74, 100894	16.7	54
222	Growth of (111)-oriented epitaxial and textured ferroelectric Y-doped HfO ₂ films for downscaled devices. <i>Applied Physics Letters</i> , 2016 , 109, 112901	3.4	54
221	Interaction between neurone and microglia mediated by platelet-activating factor. <i>Genes To Cells</i> , 2000 , 5, 397-406	2.3	52
220	Expression of lysophosphatidic acid receptor in rat astrocytes: mitogenic effect and expression of neurotrophic genes. <i>Neurochemical Research</i> , 2000 , 25, 573-82	4.6	51

219	Alpha-adrenergic activation of the muscarinic K ⁺ channel is mediated by arachidonic acid metabolites. <i>Pflugers Archiv European Journal of Physiology</i> , 1989 , 414, 102-4	4.6	50
218	Study on the effect of heat treatment conditions on metalorganic-chemical-vapor-deposited ferroelectric Hf _{0.5} Zr _{0.5} O ₂ thin film on Ir electrode. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 09PA041-4	1.4	49
217	Ferroelectricity mediated by ferroelastic domain switching in HfO ₂ -based epitaxial thin films. <i>Applied Physics Letters</i> , 2018 , 113, 212901	3.4	49
216	A comprehensive quantification method for eicosanoids and related compounds by using liquid chromatography/mass spectrometry with high speed continuous ionization polarity switching. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015 , 995-996, 74-84	3.2	48
215	Endotoxin transduces Ca ²⁺ signaling via platelet-activating factor receptor. <i>FEBS Letters</i> , 1992 , 314, 125-9	3.8	46
214	Lipid signaling in cytosolic phospholipase A ₂ α-cyclooxygenase-2 cascade mediates cerebellar long-term depression and motor learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 3198-203	11.5	45
213	Enzymic synthesis of leukotriene B ₄ in guinea pig brain. <i>Journal of Neurochemistry</i> , 1987 , 48, 1541-6	6	45
212	A novel lysophosphatidic acid acyltransferase enzyme (LPAAT4) with a possible role for incorporating docosahexaenoic acid into brain glycerophospholipids. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 443, 718-24	3.4	43
211	Orientation control and domain structure analysis of {100}-oriented epitaxial ferroelectric orthorhombic HfO ₂ -based thin films. <i>Journal of Applied Physics</i> , 2016 , 119, 134101	2.5	42
210	Epitaxial growth of metastable multiferroic AlFeO ₃ film on SrTiO ₃ (111) substrate. <i>Applied Physics Letters</i> , 2014 , 104, 082906	3.4	40
209	Leukotriene A ₄ hydrolase, a bifunctional enzyme. Distinction of leukotriene A ₄ hydrolase and aminopeptidase activities by site-directed mutagenesis at Glu-297. <i>FEBS Letters</i> , 1992 , 309, 353-7	3.8	40
208	Sequential expression of bone morphogenetic protein, tumor necrosis factor, and their receptors in bone-forming reaction after mouse femoral marrow ablation. <i>Bone</i> , 1998 , 23, 127-33	4.7	39
207	Thickness-dependent crystal structure and electric properties of epitaxial ferroelectric Y ₂ O ₃ -HfO ₂ films. <i>Applied Physics Letters</i> , 2018 , 113, 102901	3.4	39
206	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	5.4	37
205	Ferroelectricity in YO _{1.5} -HfO ₂ films around 1 μm in thickness. <i>Applied Physics Letters</i> , 2019 , 115, 032901	3.4	36
204	Ferroelectricity in wurtzite structure simple chalcogenide. <i>Applied Physics Letters</i> , 2014 , 104, 242909	3.4	36
203	Nuclear-localization-signal-dependent and nuclear-export-signal-dependent mechanisms determine the localization of 5-lipoxygenase. <i>Biochemical Journal</i> , 2002 , 361, 505-514	3.8	36
202	Sweet syndrome in a child with aplastic anemia receiving recombinant granulocyte colony-stimulating factor. <i>Journal of Pediatric Hematology/Oncology</i> , 1996 , 18, 282-4	1.2	35

201	Corneal lesions induced by the systemic administration of capsaicin in neonatal mice and rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1984 , 326, 347-51	3.4	35
200	Mechanism for suppression of ferroelectricity in Cd _{1-x} CaxTiO ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	33
199	Activation of phospholipase D in Chinese hamster ovary cells expressing platelet-activating factor receptor. <i>Journal of Biochemistry</i> , 1994 , 116, 882-91	3.1	31
198	Characterization of prostaglandin F ₂ alpha receptor of mouse 3T3 fibroblasts and its functional expression in <i>Xenopus laevis</i> oocytes. <i>Journal of Cellular Physiology</i> , 1993 , 155, 257-64	7	31
197	Environmental Optimization Enables Maintenance of Quiescent Hematopoietic Stem Cells Ex Vivo. <i>Cell Reports</i> , 2019 , 28, 145-158.e9	10.6	30
196	Essential Role of Lysophosphatidylcholine Acyltransferase 3 in the Induction of Macrophage Polarization in PMA-Treated U937 Cells. <i>Journal of Cellular Biochemistry</i> , 2015 , 116, 2840-8	4.7	30
195	Expression of human leukotriene A ₄ hydrolase cDNA in <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1988 , 229, 279-82	3.8	30
194	Role of cytosolic phospholipase A ₂ in the production of lipid mediators and histamine release in mouse bone-marrow-derived mast cells. <i>Biochemical Journal</i> , 2000 , 352, 311-317	3.8	30
193	Effect of the film thickness on the crystal structure and ferroelectric properties of (Hf _{0.5} Zr _{0.5})O ₂ thin films deposited on various substrates. <i>Materials Science in Semiconductor Processing</i> , 2017 , 70, 239-243	4.3	29
192	Differential cellular localization of antioxidant enzymes in the trigeminal ganglion. <i>Neuroscience</i> , 2013 , 248, 345-58	3.9	29
191	Magnetic resonance cholangiopancreatography in assessing the cause of acute pancreatitis in children. <i>Pancreas</i> , 2001 , 22, 196-9	2.6	29
190	Formation of (111) orientation-controlled ferroelectric orthorhombic HfO ₂ thin films from solid phase via annealing. <i>Applied Physics Letters</i> , 2016 , 109, 052903	3.4	29
189	Reduced pain behaviors and extracellular signal-related protein kinase activation in primary sensory neurons by peripheral tissue injury in mice lacking platelet-activating factor receptor. <i>Journal of Neurochemistry</i> , 2007 , 102, 1658-1668	6	27
188	Effects of cyclosporin A on progressive and regressive tumors induced by two cancer lines derived from a single colon carcinoma chemically induced in the rat. <i>Immunobiology</i> , 1989 , 178, 401-15	3.4	27
187	Recombinant human interleukin-11 decreases severity of acute necrotizing pancreatitis in mice. <i>Pancreas</i> , 2000 , 21, 134-40	2.6	26
186	Dependence of the Curie temperature on the Diameter of Fe ₃ O ₄ Ultra-fine Particles. <i>Journal of the Magnetics Society of Japan</i> , 2000 , 24, 511-514		26
185	Roles of polyunsaturated fatty acids, from mediators to membranes. <i>Journal of Lipid Research</i> , 2020 , 61, 1150-1160	6.3	25
184	Cytosolic phospholipase A and lysophospholipid acyltransferases. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019 , 1864, 838-845	5	24

183	Aminopeptidase B is structurally related to leukotriene-A4 hydrolase but is not a bifunctional enzyme with epoxide hydrolase activity. <i>Biochemical Journal</i> , 1999 , 339, 497-502	3.8	24
182	Leukotriene A4 hydrolase from guinea pig lung: the presence of two catalytically active forms. <i>Journal of Biochemistry</i> , 1989 , 105, 261-4	3.1	24
181	Pirfenidone prevents collagen accumulation in the remnant kidney in rats with partial nephrectomy. <i>Kidney International, Supplement</i> , 1997 , 63, S239-43		24
180	Fever Is Mediated by Conversion of Endocannabinoid 2-Arachidonoylglycerol to Prostaglandin E2. <i>PLoS ONE</i> , 2015 , 10, e0133663	3.7	23
179	Role of p38 mitogen-activated protein kinase in linking stearoyl-CoA desaturase-1 activity with endoplasmic reticulum homeostasis. <i>FASEB Journal</i> , 2015 , 29, 2439-49	0.9	23
178	Platelet-activating factor receptor is not required for long-term potentiation in the hippocampal CA1 region. <i>European Journal of Neuroscience</i> , 1999 , 11, 1313-6	3.5	23
177	Rapid production of platelet-activating factor is induced by protein kinase C-mediated phosphorylation of lysophosphatidylcholine acyltransferase 2 protein. <i>Journal of Biological Chemistry</i> , 2014 , 289, 15566-76	5.4	21
176	Electrical Properties of (110)-Oriented Nondoped Mg ₂ Si Films with p-Type Conduction Prepared by RF Magnetron Sputtering Method. <i>Journal of Electronic Materials</i> , 2014 , 43, 2269-2273	1.9	20
175	Comparative study of phase transitions in BaTiO ₃ thin films grown on (001)- and (110)-oriented SrTiO ₃ substrate. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 132001	1.8	20
174	Transfected rat cMOAT is functionally expressed on the apical membrane in Madin-Darby canine kidney (MDCK) cells. <i>Pharmaceutical Research</i> , 1998 , 15, 1851-6	4.5	20
173	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> , 1987 , 40, 676-80	7.5	20
172	Synthesis and structural identification of four dihydroxy acids and 11,12-leukotriene C4 derived from 11,12-leukotriene A4. <i>FEBS Journal</i> , 1988 , 176, 725-31		20
171	Crystal Isomers of ScFeO ₃ . <i>Crystal Growth and Design</i> , 2016 , 16, 5214-5222	3.5	20
170	Effects of heat treatment and in situ high-temperature X-ray diffraction study on the formation of ferroelectric epitaxial Y-doped HfO ₂ film. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, SB3B09	1.4	19
169	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> , 2017 , 7, 9641	4.9	19
168	Crystal Structure Analysis of Hydrothermally Synthesized Epitaxial (K _x Na _{1-x})NbO ₃ Films. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 09KA11	1.4	19
167	Lysophosphatidic acid receptor, LPA, regulates endothelial blood-brain barrier function: Implication for hepatic encephalopathy. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 501, 1048-1054	2.4	19
166	Raman Tensor Analysis of Crystalline Lead Titanate by Quantitative Polarized Spectroscopy. <i>Ferroelectrics</i> , 2014 , 462, 8-13	0.6	18

165	Selective inhibitors of a PAF biosynthetic enzyme lysophosphatidylcholine acyltransferase 2. <i>Journal of Lipid Research</i> , 2014 , 55, 1386-96	6.3	18
164	Room-temperature deposition of ferroelectric HfO ₂ -based films by the sputtering method. <i>Applied Physics Letters</i> , 2020 , 116, 062901	3.4	18
163	Ferroelectricity in HfO ₂ and related ferroelectrics. <i>Journal of the Ceramic Society of Japan</i> , 2018 , 126, 667-674	1	18
162	Thickness- and orientation- dependences of Curie temperature in ferroelectric epitaxial Y doped HfO ₂ films. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SGGB04	1.4	17
161	Distribution and pathway of the cerebrovascular nerve fibers from the otic ganglion in the rat: anterograde tracing study. <i>Journal of the Autonomic Nervous System</i> , 1994 , 49, 47-54		17
160	Crystal structure and dielectric/ferroelectric properties of CSD-derived HfO ₂ -ZrO ₂ solid solution films. <i>Ceramics International</i> , 2017 , 43, S501-S505	5.1	16
159	Orchestrating Role of Apoptosis Inhibitor of Macrophage in the Resolution of Acute Lung Injury. <i>Journal of Immunology</i> , 2017 , 199, 3870-3882	5.3	16
158	Negligible substrate clamping effect on piezoelectric response in (111)-epitaxial tetragonal Pb(Zr, Ti)O ₃ films. <i>Journal of Applied Physics</i> , 2015 , 118, 072012	2.5	16
157	Platelet-derived growth factor induces cellular growth in cultured chick ventricular myocytes. <i>Cardiovascular Research</i> , 1999 , 41, 641-53	9.9	16
156	Analysis of the genes responsible for the O-antigen synthesis in enterohaemorrhagic Escherichia coli O157. <i>Microbial Pathogenesis</i> , 1999 , 26, 235-47	3.8	16
155	Mechanism of polarization switching in wurtzite-structured zinc oxide thin films. <i>Applied Physics Letters</i> , 2016 , 109, 102903	3.4	16
154	Capsaicin-induced corneal lesions in mice and the effects of chemical sympathectomy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1987 , 243, 690-5	4.7	15
153	Formation of the orthorhombic phase in CeO ₂ -HfO ₂ solid solution epitaxial thin films and their ferroelectric properties. <i>Applied Physics Letters</i> , 2019 , 114, 232902	3.4	14
152	Evidence of ferroelectricity in ferrimagnetic α -Al ₂ O ₃ -type In _{0.25} Fe _{1.75} O ₃ films. <i>Applied Physics Letters</i> , 2016 , 109, 162901	3.4	14
151	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	3.2	13
150	The absence of the leukotriene B ₄ receptor BLT1 attenuates peripheral inflammation and spinal nociceptive processing following intraplantar formalin injury. <i>Molecular Pain</i> , 2015 , 11, 11	3.4	13
149	Lysophosphatidylcholine acyltransferase 1 protects against cytotoxicity induced by polyunsaturated fatty acids. <i>FASEB Journal</i> , 2016 , 30, 2027-39	0.9	13
148	Origin of the dielectric response in Ba _{0.767} Ca _{0.233} TiO ₃ . <i>Applied Physics Letters</i> , 2012 , 100, 102908	3.4	13

147	Immunohistochemical localization of guinea-pig leukotriene B4 12-hydroxydehydrogenase/15-ketoprostaglandin 13-reductase. <i>FEBS Journal</i> , 2001 , 268, 6105-13		13
146	The G β 2/13-coupled receptor LPA4 limits proper adipose tissue expansion and remodeling in diet-induced obesity. <i>JCI Insight</i> , 2018 , 3,	9.9	13
145	Role of lysophosphatidic acid acyltransferase 3 for the supply of highly polyunsaturated fatty acids in TM4 Sertoli cells. <i>FASEB Journal</i> , 2010 , 24, 4929-4938	0.9	13
144	Domain orientation relationship of orthorhombic and coexisting monoclinic phases of YO1.5-doped HfO2 epitaxial thin films. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 11UF16	1.4	13
143	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	3.4	12
142	Sensory system-predominant distribution of leukotriene A4 hydrolase and its colocalization with calretinin in the mouse nervous system. <i>Neuroscience</i> , 2006 , 141, 917-927	3.9	12
141	Molecular cloning and expression of inducible nitric oxide synthase in chick embryonic ventricular myocytes. <i>Cardiovascular Research</i> , 1998 , 38, 405-13	9.9	12
140	Occurrence and distribution of substance P receptors in the cerebral blood vessels of the rat. <i>Brain Research</i> , 1999 , 830, 372-8	3.7	12
139	Fabrication of ferroelectric Fe doped HfO2 epitaxial thin films by ion-beam sputtering method and their characterization. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 11UF02	1.4	12
138	Structural Modification and Domain Structure in a BaTiO3 Film on (110) SrTiO3. <i>Applied Physics Express</i> , 2013 , 6, 015803	2.4	11
137	Electric-Field-Driven Nanosecond Ferroelastic-Domain Switching Dynamics in Epitaxial Pb(Zr,Ti)O ₃ Film. <i>Physical Review Letters</i> , 2019 , 123, 217601	7.4	11
136	Growth of epitaxial (K, Na)NbO3 films with various orientations by hydrothermal method and their properties. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, SLLB14	1.4	10
135	The atypical N-glycosylation motif, Asn-Cys-Cys, in human GPR109A is required for normal cell surface expression and intracellular signaling. <i>FASEB Journal</i> , 2015 , 29, 2412-22	0.9	10
134	Crystal structure and magnetism in γ -Al ₂ O ₃ -type Al _x Fe _{2-x} O ₃ films on SrTiO ₃ (111). <i>Journal of Applied Physics</i> , 2017 , 122, 015301	2.5	10
133	Epitaxial growth of YO1.5 doped HfO2 films on (100) YSZ substrates with various concentrations. <i>Ferroelectrics</i> , 2017 , 512, 105-110	0.6	10
132	Orientation control of epitaxial tetragonal Pb(Zr _x Ti _{1-x})O ₃ thin films grown on (100)KTaO ₃ substrates by tuning the Zr/(Zr + Ti) ratio. <i>Applied Physics Letters</i> , 2015 , 107, 022902	3.4	10
131	Comprehensive Study on the Kinetic Formation of the Orthorhombic Ferroelectric Phase in Epitaxial Y-Doped Ferroelectric HfO ₂ Thin Films. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 3123-3130	4	10
130	High temperature stability of the dielectric and insulating properties of Ca(Ti, Zr)SiO ₅ ceramics. <i>Applied Physics Letters</i> , 2016 , 108, 062902	3.4	10

129	Imaging of intracellular fatty acids by scanning X-ray fluorescence microscopy. <i>FASEB Journal</i> , 2016 , 30, 4149-4158	0.9	10
128	Epitaxial ferroelectric Y-doped HfO ₂ film grown by the RF magnetron sputtering. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 11UF15	1.4	10
127	Effects of starting materials on the deposition behavior of hydrothermally synthesized {1 0 0}-oriented epitaxial (K,Na)NbO ₃ thick films and their ferroelectric and piezoelectric properties. <i>Journal of Crystal Growth</i> , 2019 , 511, 1-7	1.6	9
126	Stepwise phosphorylation of leukotriene B receptor 1 defines cellular responses to leukotriene B. <i>Science Signaling</i> , 2018 , 11,	8.8	9
125	Predominant role of cytosolic phospholipase A ₂ in dioxin-induced neonatal hydronephrosis in mice. <i>Scientific Reports</i> , 2014 , 4, 4042	4.9	9
124	Effect of influenza A virus infection on acid-induced cough response in children with asthma. <i>European Respiratory Journal</i> , 1997 , 10, 71-4	13.6	9
123	Ferroelectric phase transition of Cd ₂ Nb ₂ O ₇ studied by Raman scattering. <i>Physical Review B</i> , 2008 , 77,	3.3	9
122	The future potential of eicosanoids and their inhibitors in paediatric practice. <i>Drugs</i> , 1998 , 56, 169-76	12.1	9
121	Indomethacin inhibition of ossification induced by direct current stimulation. <i>Journal of Orthopaedic Research</i> , 1995 , 13, 123-31	3.8	9
120	Electron microscopic studies on mineral movement of calcifying process on the hard tissues. <i>Japanese Journal of Oral Biology</i> , 1972 , 14, 560-570		9
119	Electric-Field-Induced Ferroelectricity in 5%Y-doped Hf _{0.5} Zr _{0.5} O ₂ : Transformation from the Paraelectric Tetragonal Phase to the Ferroelectric Orthorhombic Phase. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021 , 15, 2000589	2.5	9
118	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, 122902	3.4	8
117	Role of the high-affinity leukotriene B ₄ receptor signaling in fibrosis after unilateral ureteral obstruction in mice. <i>PLoS ONE</i> , 2019 , 14, e0202842	3.7	8
116	Lysophosphatidylcholine acyltransferase 4 is involved in chondrogenic differentiation of ATDC5 cells. <i>Scientific Reports</i> , 2017 , 7, 16701	4.9	8
115	Transport Properties of CuNb Reinforced Nb_3Sn Rutherford Coils in High Fields. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-4	1.8	8
114	Synthesis of 11,12-leukotriene A ₄ , 11S,12S-oxido-5Z,7E,9E,14Z-eicosatetraenoic acid, a novel leukotriene of the 12-lipoxygenase pathway. <i>FEBS Letters</i> , 1987 , 213, 169-73	3.8	8
113	Effective Extraction and Analysis for Lysophosphatidic Acids and Their Precursors in Human Plasma Using Electrospray Ionization Mass Spectrometry. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2005 , 53, 217-226	0.2	8
112	Large thermal hysteresis of ferroelectric transition in HfO ₂ -based ferroelectric films. <i>Applied Physics Letters</i> , 2021 , 118, 112903	3.4	8

111	Thermally stable dielectric responses in uniaxially (001)-oriented CaBi ₄ Ti ₄ O ₁₅ nanofilms grown on a Ca ₂ Nb ₃ O ₁₀ - nanosheet seed layer. <i>Scientific Reports</i> , 2016 , 6, 20713	4.9	8
110	Thickness scaling of (Al _{0.8} Sc _{0.2})N films with remanent polarization beyond 100 μm^2 around 10 μm in thickness. <i>Applied Physics Express</i> , 2021 , 14, 105501	2.4	8
109	Domain structure of tetragonal Pb(Zr,Ti)O ₃ nanorods and its size dependence. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 10NA07	1.4	7
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