

Takao Shimizu

List of Publications by Year in descending order

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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	A G-protein-coupled receptor for leukotriene B4 that mediates chemotaxis. <i>Nature</i> , 1997, 387, 620-624.	27.8	918
2	Role of cytosolic phospholipase A2 in allergic response and parturition. <i>Nature</i> , 1997, 390, 618-622.	27.8	691
3	Arachidonic Acid Cascade and Signal Transduction. <i>Journal of Neurochemistry</i> , 1990, 55, 1-15.	3.9	589
4	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, 123-150.	9.4	499
5	Stabilizing the ferroelectric phase in doped hafnium oxide. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	424
6	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.	1.6	421
7	The Endocannabinoid 2-Arachidonoylglycerol Produced by Diacylglycerol Lipase $\hat{\pm}$ Mediates Retrograde Suppression of Synaptic Transmission. <i>Neuron</i> , 2010, 65, 320-327.	8.1	407
8	Arachidonic acid metabolites as intracellular modulators of the G protein-gated cardiac K ⁺ channel. <i>Nature</i> , 1989, 337, 555-557.	27.8	304
9	Acute lung injury by sepsis and acid aspiration: a key role for cytosolic phospholipase A2. <i>Nature Immunology</i> , 2000, 1, 42-46.	14.5	294
10	G2A Is a Proton-sensing G-protein-coupled Receptor Antagonized by Lysophosphatidylcholine. <i>Journal of Biological Chemistry</i> , 2004, 279, 42484-42491.	3.4	205
11	The demonstration of significant ferroelectricity in epitaxial Y-doped HfO ₂ film. <i>Scientific Reports</i> , 2016, 6, 32931.	3.3	194
12	Impact of mechanical stress on ferroelectricity in (Hf _{0.5} Zr _{0.5})O ₂ thin films. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	187
13	Fatty acid remodeling by LPCAT3 enriches arachidonate in phospholipid membranes and regulates triglyceride transport. <i>ELife</i> , 2015, 4, .	6.0	161
14	Lysophospholipid Acyltransferases Mediate Phosphatidylcholine Diversification to Achieve the Physical Properties Required In Vivo. <i>Cell Metabolism</i> , 2014, 20, 295-305.	16.2	133
15	Leukotriene receptors as potential therapeutic targets. <i>Journal of Clinical Investigation</i> , 2018, 128, 2691-2701.	8.2	129
16	Identification of macrophage migration inhibitory factor (MIF) in human skin and its immunohistochemical localization. <i>FEBS Letters</i> , 1996, 381, 199-202.	2.8	127
17	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, .	2.5	127
18	Growth of epitaxial orthorhombic YO _{1.5} -substituted HfO ₂ thin film. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	123

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19	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
20	The Atlas of Inflammation Resolution (AIR). <i>Molecular Aspects of Medicine</i> , 2020, 74, 100894.	6.4	110
21	Two different promoters direct expression of two distinct forms of mRNAs of human platelet-activating factor receptor. <i>FEBS Letters</i> , 1993, 322, 129-134.	2.8	96
22	A comprehensive classification system for lipids. <i>European Journal of Lipid Science and Technology</i> , 2005, 107, 337-364.	1.5	94
23	Platelet-activating factor receptor and signal transduction. <i>Biochemical Pharmacology</i> , 1992, 44, 1001-1008.	4.4	89
24	Cloning, expression and tissue distribution of rat platelet-activating-factor-receptor cDNA. <i>FEBS Journal</i> , 1994, 221, 211-218.	0.2	84
25	Cytosolic phospholipase A 2 : Biochemical properties and physiological roles. <i>IUBMB Life</i> , 2006, 58, 328-333.	3.4	84
26	Roles of polyunsaturated fatty acids, from mediators to membranes. <i>Journal of Lipid Research</i> , 2020, 61, 1150-1160.	4.2	83
27	Na ⁺ -mimicking ligands stabilize the inactive state of leukotriene B4 receptor BLT1. <i>Nature Chemical Biology</i> , 2018, 14, 262-269.	8.0	80
28	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, 1172-1177.	2.1	75
29	Leukotriene Receptors. <i>Chemical Reviews</i> , 2011, 111, 6231-6298.	47.7	75
30	Roxithromycin Reduces the Degree of Bronchial Hyperresponsiveness in Children With Asthma. <i>Chest</i> , 1994, 106, 458-461.	0.8	72
31	Ferroelectricity mediated by ferroelastic domain switching in HfO ₂ -based epitaxial thin films. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	69
32	Purification of a new acidic glutathione S-transferase, GST-Yn1 Yn1, with a high leukotriene-C4 synthase activity from rat brain. <i>FEBS Journal</i> , 1987, 170, 159-164.	0.2	68
33	Participation of Lipoxygenase Products from Arachidonic Acid in the Pathogenesis of Cerebral Vasospasm. <i>Journal of Neurochemistry</i> , 1988, 50, 1145-1150.	3.9	65
34	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, .	3.3	65
35	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.	2.3	63
36	Interaction between neurone and microglia mediated by platelet-activating factor. <i>Genes To Cells</i> , 2000, 5, 397-406.	1.2	62

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37	Growth of (111)-oriented epitaxial and textured ferroelectric Y-doped HfO ₂ films for downscaled devices. Applied Physics Letters, 2016, 109, .	3.3	62
38	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. Japanese Journal of Applied Physics, 2014, 53, 09PA04.	1.5	59
39	A novel lysophosphatidic acid acyltransferase enzyme (LPAAT4) with a possible role for incorporating docosahexaenoic acid into brain glycerophospholipids. Biochemical and Biophysical Research Communications, 2014, 443, 718-724.	2.1	57
40	Orientation control and domain structure analysis of {100}-oriented epitaxial ferroelectric orthorhombic HfO ₂ -based thin films. Journal of Applied Physics, 2016, 119, .	2.5	57
41	Endotoxin transduces Ca ²⁺ signaling via platelet-activating factor receptor. FEBS Letters, 1992, 314, 125-129.	2.8	55
42	γ-Adrenergic activation of the muscarinic K ⁺ channel is mediated by arachidonic acid metabolites. Pflugers Archiv European Journal of Physiology, 1989, 414, 102-104.	2.8	54
43	Cytosolic phospholipase A ₂ and lysophospholipid acyltransferases. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 838-845.	2.4	54
44	Environmental Optimization Enables Maintenance of Quiescent Hematopoietic Stem Cells Ex Vivo. Cell Reports, 2019, 28, 145-158.e9.	6.4	54
45	Lysophosphatidic acid acyltransferase 3 tunes the membrane status of germ cells by incorporating docosahexaenoic acid during spermatogenesis. Journal of Biological Chemistry, 2017, 292, 12065-12076.	3.4	53
46	Ferroelectricity in YO _{1.5} -HfO ₂ films around 1¼ m in thickness. Applied Physics Letters, 2019, 115, .	3.3	53
47	Expression of lysophosphatidic acid receptor in rat astrocytes: mitogenic effect and expression of neurotrophic genes. Neurochemical Research, 2000, 25, 573-582.	3.3	52
48	Ferroelectricity in wurtzite structure simple chalcogenide. Applied Physics Letters, 2014, 104, .	3.3	52
49	Differential cellular localization of antioxidant enzymes in the trigeminal ganglion. Neuroscience, 2013, 248, 345-358.	2.3	51
50	Lipid signaling in cytosolic phospholipase A ₂ cyclooxygenase-2 cascade mediates cerebellar long-term depression and motor learning. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3198-3203.	7.1	48
51	Thickness-dependent crystal structure and electric properties of epitaxial ferroelectric Y ₂ O ₃ -HfO ₂ films. Applied Physics Letters, 2018, 113, .	3.3	48
52	Enzymic Synthesis of Leukotriene B ₄ in Guinea Pig Brain. Journal of Neurochemistry, 1987, 48, 1541-1546.	3.9	47
53	Leukotriene A ₄ hydrolase, a bifunctional enzyme Distinction of leukotriene A ₄ hydrolase and aminopeptidase activities by site-directed mutagenesis at Glu-297. FEBS Letters, 1992, 309, 353-357.	2.8	46
54	Epitaxial growth of metastable multiferroic AlFeO ₃ film on SrTiO ₃ (111) substrate. Applied Physics Letters, 2014, 104, 082906.	3.3	44

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55	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, 2840-2848.	2.6	42
56	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, 127-133.	2.9	41
57	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, 239-245.	4.0	41
58	Sweet Syndrome in a Child with Aplastic Anemia Receiving Recombinant Granulocyte Colony-Stimulating Factor. <i>Journal of Pediatric Hematology/Oncology</i> , 1996, 18, 282-284.	0.6	40
59	Mechanism for suppression of ferroelectricity in Cd _{1-x} CaxTiO ₃ . <i>Physical Review B</i> , 2011, 84, .	3.2	40
60	Corneal lesions induced by the systemic administration of capsaicin in neonatal mice and rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1984, 326, 347-351.	3.0	39
61	Role of cytosolic phospholipase A2 in the production of lipid mediators and histamine release in mouse bone-marrow-derived mast cells. <i>Biochemical Journal</i> , 2000, 352, 311-317.	3.7	39
62	Nuclear-localization-signal-dependent and nuclear-export-signal-dependent mechanisms determine the localization of 5-lipoxygenase. <i>Biochemical Journal</i> , 2002, 361, 505-514.	3.7	38
63	Platelet-activating factor receptor is not required for long-term potentiation in the hippocampal CA1 region. <i>European Journal of Neuroscience</i> , 1999, 11, 1313-1316.	2.6	37
64	Activation of Phospholipase D in Chinese Hamster Ovary Cells Expressing Platelet-Activating Factor Receptor1. <i>Journal of Biochemistry</i> , 1994, 116, 882-891.	1.7	35
65	Recombinant Human Interleukin-11 Decreases Severity of Acute Necrotizing Pancreatitis in Mice. <i>Pancreas</i> , 2000, 21, 134-140.	1.1	35
66	Role of p38 mitogen-activated protein kinase in linking stearyl-CoA desaturase activity with endoplasmic reticulum homeostasis. <i>FASEB Journal</i> , 2015, 29, 2439-2449.	0.5	35
67	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.	0.4	34
68	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, SBBB09.	1.5	34
69	Characterization of prostaglandin F ₂ receptor of mouse 3T3 fibroblasts and its functional expression in <i>Xenopus laevis</i> oocytes. <i>Journal of Cellular Physiology</i> , 1993, 155, 257-264.	4.1	33
70	Magnetic Resonance Cholangiopancreatography in Assessing the Cause of Acute Pancreatitis in Children. <i>Pancreas</i> , 2001, 22, 196-199.	1.1	32
71	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.	4.3	32
72	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, 15566-15576.	3.4	31

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73	Expression of human leukotriene A4hydrolase cDNA in Escherichia coli. FEBS Letters, 1988, 229, 279-282.	2.8	30
74	Aminopeptidase B is structurally related to leukotriene-A4 hydrolase but is not a bifunctional enzyme with epoxide hydrolase activity. Biochemical Journal, 1999, 339, 497-502.	3.7	30
75	Fever Is Mediated by Conversion of Endocannabinoid 2-Arachidonoylglycerol to Prostaglandin E2. PLoS ONE, 2015, 10, e0133663.	2.5	30
76	Mechanism of polarization switching in wurtzite-structured zinc oxide thin films. Applied Physics Letters, 2016, 109, .	3.3	30
77	Formation of the orthorhombic phase in CeO ₂ -HfO ₂ solid solution epitaxial thin films and their ferroelectric properties. Applied Physics Letters, 2019, 114, .	3.3	30
78	Thickness scaling of (Al _{0.8} Sc _{0.2})N films with remanent polarization beyond 100 Å ² around 10 nm in thickness. Applied Physics Express, 2021, 14, 105501.	2.4	30
79	Reduced pain behaviors and extracellular signalâ€related protein kinase activation in primary sensory neurons by peripheral tissue injury in mice lacking plateletâ€activating factor receptor. Journal of Neurochemistry, 2007, 102, 1658-1668.	3.9	29
80	Formation of (111) orientation-controlled ferroelectric orthorhombic HfO ₂ thin films from solid phase via annealing. Applied Physics Letters, 2016, 109, .	3.3	29
81	Room-temperature deposition of ferroelectric HfO ₂ -based films by the sputtering method. Applied Physics Letters, 2020, 116, .	3.3	28
82	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. Immunobiology, 1989, 178, 401-415.	1.9	27
83	Lysophosphatidic acid receptor, LPA6, regulates endothelial blood-brain barrier function: Implication for hepatic encephalopathy. Biochemical and Biophysical Research Communications, 2018, 501, 1048-1054.	2.1	27
84	Hepatic Levels of DHA-Containing Phospholipids Instruct SREBP1-Mediated Synthesis and Systemic Delivery of Polyunsaturated Fatty Acids. IScience, 2020, 23, 101495.	4.1	26
85	Pirfenidone prevents collagen accumulation in the remnant kidney in rats with partial nephrectomy. Kidney International, Supplement, 1997, 63, S239-43.	0.1	26
86	Leukotriene A4 Hydrolase from Guinea Pig Lung: The Presence of Two Catalytically Active Forms1. Journal of Biochemistry, 1989, 105, 261-264.	1.7	25
87	Electrical Properties of (110)-Oriented Nondoped Mg ₂ Si Films with p-Type Conduction Prepared by RF Magnetron Sputtering Method. Journal of Electronic Materials, 2014, 43, 2269-2273.	2.2	25
88	Crystal Isomers of ScFeO ₃ . Crystal Growth and Design, 2016, 16, 5214-5222.	3.0	25
89	Lysophosphatidylcholine acyltransferase 1 protects against cytotoxicity induced by polyunsaturated fatty acids. FASEB Journal, 2016, 30, 2027-2039.	0.5	24
90	Crystal structure and dielectric/ferroelectric properties of CSD-derived HfO ₂ -ZrO ₂ solid solution films. Ceramics International, 2017, 43, S501-S505.	4.8	24

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91	Comparative study of phase transitions in BaTiO ₃ thin films grown on (001)- and (110)-oriented SrTiO ₃ substrate. Journal of Physics Condensed Matter, 2013, 25, 132001.	1.8	23
92	Orchestrating Role of Apoptosis Inhibitor of Macrophage in the Resolution of Acute Lung Injury. Journal of Immunology, 2017, 199, 3870-3882.	0.8	23
93	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
94	Fabrication of ferroelectric Fe doped HfO ₂ epitaxial thin films by ion-beam sputtering method and their characterization. Japanese Journal of Applied Physics, 2018, 57, 11UF02.	1.5	23
95	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. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2000589.	2.4	23
96	Effect of Film Microstructure on Domain Nucleation and Intrinsic Switching in Ferroelectric Y:HfO ₂ Thin Film Capacitors. Advanced Functional Materials, 2022, 32, 2108876.	14.9	23
97	Distribution and pathway of the cerebrovascular nerve fibers from the otic ganglion in the rat: anterograde tracing study. Journal of the Autonomic Nervous System, 1994, 49, 47-54.	1.9	22
98	Transfected rat cMOAT is functionally expressed on the apical membrane in Madin-Darby canine kidney (MDCK) cells. Pharmaceutical Research, 1998, 15, 1851-1856.	3.5	22
99	Crystal Structure Analysis of Hydrothermally Synthesized Epitaxial (K _x Na _{1-x})NbO ₃ Films. Japanese Journal of Applied Physics, 2013, 52, 09KA11.	1.5	22
100	Raman Tensor Analysis of Crystalline Lead Titanate by Quantitative Polarized Spectroscopy. Ferroelectrics, 2014, 462, 8-13.	0.6	22
101	Imaging of intracellular fatty acids by scanning X-ray fluorescence microscopy. FASEB Journal, 2016, 30, 4149-4158.	0.5	22
102	Ferroelectricity in HfO ₂ and related ferroelectrics. Journal of the Ceramic Society of Japan, 2018, 126, 667-674.	1.1	22
103	Lysophosphatidylethanolamine acyltransferase 2 (LPEAT2) incorporates DHA into phospholipids and has possible functions for fatty acid-induced cell death. Biochemical and Biophysical Research Communications, 2020, 526, 246-252.	2.1	22
104	Thickness- and orientation- dependences of Curie temperature in ferroelectric epitaxial Y doped HfO ₂ films. Japanese Journal of Applied Physics, 2020, 59, SCGB04.	1.5	22
105	The G \pm 12/13-coupled receptor LPA4 limits proper adipose tissue expansion and remodeling in diet-induced obesity. JCI Insight, 2018, 3, .	5.0	22
106	Effects of a single injection of anti-asialo GM1 serum on natural cytotoxicity and the growth of a regressive colonic tumor in syngeneic rats. International Journal of Cancer, 1987, 40, 676-680.	5.1	21
107	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
108	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

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109	Synthesis and structural identification of four dihydroxy acids and 11, 12-leukotriene C4 derived from 11, 12-leukotriene A4. FEBS Journal, 1988, 176, 725-731.	0.2	20
110	Selective inhibitors of a PAF biosynthetic enzyme lysophosphatidylcholine acyltransferase 2. Journal of Lipid Research, 2014, 55, 1386-1396.	4.2	20
111	Capsaicin-induced corneal lesions in mice and the effects of chemical sympathectomy. Journal of Pharmacology and Experimental Therapeutics, 1987, 243, 690-5.	2.5	20
112	A computational search for wurtzite-structured ferroelectrics with low coercive voltages. APL Materials, 2020, 8, .	5.1	19
113	Large thermal hysteresis of ferroelectric transition in HfO ₂ -based ferroelectric films. Applied Physics Letters, 2021, 118, .	3.3	19
114	Occurrence and distribution of substance P receptors in the cerebral blood vessels of the rat. Brain Research, 1999, 830, 372-378.	2.2	18
115	Analysis of the genes responsible for the O-antigen synthesis in enterohaemorrhagic Escherichia coli O157. Microbial Pathogenesis, 1999, 26, 235-247.	2.9	18
116	The Absence of the Leukotriene B ₄ Receptor BLT1 Attenuates Peripheral Inflammation and Spinal Nociceptive Processing Following Intraplantar Formalin Injury. Molecular Pain, 2015, 11, s12990-015-0010.	2.1	18
117	Lysophosphatidylcholine acyltransferase 4 is involved in chondrogenic differentiation of ATDC5 cells. Scientific Reports, 2017, 7, 16701.	3.3	18
118	Effects of starting materials on the deposition behavior of hydrothermally synthesized {110}O-oriented epitaxial (K,Na)NbO ₃ thick films and their ferroelectric and piezoelectric properties. Journal of Crystal Growth, 2019, 511, 1-7.	1.5	18
119	Platelet-derived growth factor induces cellular growth in cultured chick ventricular myocytes. Cardiovascular Research, 1999, 41, 641-653.	3.8	17
120	Multiplex quantitative analysis of eicosanoid mediators in human plasma and serum: Possible introduction into clinical testing. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1068-1069, 98-104.	2.3	17
121	Mitochondrial complex I inhibitors suppress tumor growth through concomitant acidification of the intra- and extracellular environment. iScience, 2021, 24, 103497.	4.1	17
122	Molecular cloning and expression of inducible nitric oxide synthase in chick embryonic ventricular myocytes. Cardiovascular Research, 1998, 38, 405-413.	3.8	16
123	Immunohistochemical localization of guinea-pig leukotriene B ₄ 12-hydroxydehydrogenase/15-ketoprostaglandin 13-reductase. FEBS Journal, 2001, 268, 6105-6113.	0.2	16
124	Domain orientation relationship of orthorhombic and coexisting monoclinic phases of YO _{1.5} -doped HfO ₂ epitaxial thin films. Japanese Journal of Applied Physics, 2018, 57, 111JF16.	1.5	16
125	Nanosecond Ferroelastic-Domain Switching Dynamics in Epitaxial $\text{Pb}(\text{Zr}_{0.1}\text{Ti}_{0.9})\text{O}_3$ Thin Films. Applied Physics Letters, 2016, 109, .	7.8	16
126	Evidence of ferroelectricity in ferrimagnetic $\text{In}_{0.25}\text{Fe}_{1.75}\text{O}_3$ films. Applied Physics Letters, 2016, 109, .	3.3	15

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127	Epitaxial ferroelectric Y-doped HfO ₂ film grown by the RF magnetron sputtering. Japanese Journal of Applied Physics, 2018, 57, 11UF15.	1.5	15
128	Stepwise phosphorylation of leukotriene B ₄ receptor 1 defines cellular responses to leukotriene B ₄ . Science Signaling, 2018, 11, .	3.6	15
129	Role of lysophosphatidic acid acyltransferase 3 for the supply of highly polyunsaturated fatty acids in TM4 Sertoli cells. FASEB Journal, 2010, 24, 4929-4938.	0.5	15
130	Demonstration of ferroelectricity in ScGaN thin film using sputtering method. Applied Physics Letters, 2021, 119, .	3.3	15
131	Sensory system-predominant distribution of leukotriene A4 hydrolase and its colocalization with calretinin in the mouse nervous system. Neuroscience, 2006, 141, 917-927.	2.3	14
132	Origin of the dielectric response in Ba _{0.767} Ca _{0.233} TiO ₃ . Applied Physics Letters, 2012, 100, .	3.3	14
133	Crystal structure and magnetism in $\hat{\rho}$ -Al ₂ O ₃ -type Al _x Fe _{2-x} O ₃ films on SrTiO ₃ (111). Journal of Applied Physics, 2017, 122, 015301.	2.5	14
134	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
135	Preparation of near-1- μ m-thick {100}-oriented epitaxial Y-doped HfO ₂ ferroelectric films on (100)Si substrates by a radio-frequency magnetron sputtering method. Journal of the Ceramic Society of Japan, 2020, 128, 539-543.	1.1	14
136	Protective role of the leukotriene B ₄ receptor BLT2 in murine inflammatory colitis. FASEB Journal, 2010, 24, 4678-4690.	0.5	14
137	Indomethacin inhibition of ossification induced by direct current stimulation. Journal of Orthopaedic Research, 1995, 13, 123-131.	2.3	13
138	The atypical N-glycosylation motif, Asn-Cys-Cys, in human GPR109A is required for normal cell surface expression and intracellular signaling. FASEB Journal, 2015, 29, 2412-2422.	0.5	13
139	Effect of influenza A virus infection on acid-induced cough response in children with asthma. European Respiratory Journal, 1997, 10, 71-74.	6.7	12
140	Mapping membrane lipids in the developing and adult mouse retina under physiological and pathological conditions using mass spectrometry. Journal of Biological Chemistry, 2021, 296, 100303.	3.4	12
141	The Future Potential of Eicosanoids and Their Inhibitors in Paediatric Practice. Drugs, 1998, 56, 169-176.	10.9	11
142	Structural Modification and Domain Structure in a BaTiO ₃ Film on (110) SrTiO ₃ . Applied Physics Express, 2013, 6, 015803.	2.4	11
143	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. Applied Physics Letters, 2015, 107, .	3.3	11
144	High temperature stability of the dielectric and insulating properties of Ca(Ti, Zr)SiO ₅ ceramics. Applied Physics Letters, 2016, 108, .	3.3	11

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145	Polyunsaturated fatty acids promote <i>Plasmodium falciparum</i> gametocytogenesis. <i>Biology Open</i> , 2019, 8, .	1.2	11
146	Growth of epitaxial (K, Na)NbO ₃ films with various orientations by hydrothermal method and their properties. <i>Japanese Journal of Applied Physics</i> , 2019, 58, SLLB14.	1.5	11
147	Role of the high-affinity leukotriene B4 receptor signaling in fibrosis after unilateral ureteral obstruction in mice. <i>PLoS ONE</i> , 2019, 14, e0202842.	2.5	11
148	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
149	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
150	Ferroelectric phase transition of $Cd_{1-x}Zn_xO$ by Raman scattering. <i>Physical Review B</i> , 2008, 77, .	1.2	10
151	Predominant Role of Cytosolic Phospholipase A ₂ in Dioxin-induced Neonatal Hydronephrosis in Mice. <i>Scientific Reports</i> , 2015, 4, 4042.	3.3	10
152	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
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