Tomoaki Yamada

List of Publications by Year
in descending order

149 papers	3,201 citations	279701 23 h-index	175177 52 g-index
153 all docs	153 docs citations	153 times ranked	3484 citing authors

#	Article	IF	Citations
1	Ferroelectric thin films: Review of materials, properties, and applications. Journal of Applied Physics, 2006, 100, 051606.	1.1	1,480
2	Evidence for the existence of a metal-insulator-semiconductor junction at the electrode interfaces of CaCu3Ti4O12 thin film capacitors. Applied Physics Letters, 2007, 91, 202903.	1.5	65
3	Tuning of direct current bias-induced resonances in micromachined Ba0.3Sr0.7TiO3 thin-film capacitors. Journal of Applied Physics, 2007, 102, .	1.1	55
4	Epitaxialâˆ•amorphous Ba0.3Sr0.7TiO3 film composite structure for tunable applications. Applied Physics Letters, 2006, 89, 032905.	1.5	45
5	Tunable thin film bulk acoustic wave resonator based on Ba_xSr_{1-x}TiO₃ thin film. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 379-385.	1.7	45
6	Strain relaxation of epitaxial SrTiO3 thin films on LaAlO3 by two-step growth technique. Applied Physics Letters, 2005, 86, 142904.	1.5	43
7	Configuration and local elastic interaction of ferroelectric domains and misfit dislocation in PbTiO₃/SrTiO₃epitaxial thin films. Science and Technology of Advanced Materials, 2011, 12, 034413.	2.8	41
8	Crystal Structure and Electrical Properties of {100}-Oriented Epitaxial BiCoO₃â€“BiFeO₃ Films Grown by Metalorganic Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2008, 47, 7582.	0.8	40
9	Epitaxial growth of SrTiO3 films on CeO2/yttria-stabilized zirconia/Si(001) with TiO2 atomic layer by pulsed-laser deposition. Applied Physics Letters, 2003, 83, 4815-4817.	1.5	36
10	Electrical tuning of dc bias induced acoustic resonances in paraelectric thin films. Journal of Applied Physics, 2008, 104, .	1.1	36
11	Suppressed polar distortion with enhanced Curie temperature in in-plane 90Â°-domain structure of a-axis oriented PbTiO3 Film. Applied Physics Letters, 2015, 106, .	1.5	33
12	Heteroepitaxial growth of CeO2 thin film on Si(001) with an ultra thin YSZ buffer layer. Thin Solid Films, 2000, 371, 211-217.	0.8	30
13	In-Plane and Out-of-Plane Ferroelectric Instabilities in EpitaxialSrTiO3Films. Physical Review Letters, 2006, 96, 157602.	2.9	30
14	Thick Epitaxial Pb(Zr_{0.35},Ti_{0.65})O₃Films Grown on (100)CaF₂Substrates with Polar-Axis-Orientation. Applied Physics Express, 0, 1, 085001.	1.1	30
15	Selfâ€Assembled Perovskiteâ€Fluorite Oblique Nanostructures for Adaptive (Tunable) Electronics. Advanced Materials, 2009, 21, 1363-1367.	11.1	29
16	Domain structure of (100)/(001)-oriented epitaxial PbTiO3 thick films with various volume fraction of (001) orientation grown by metal organic chemical vapor deposition. Applied Physics Letters, 2009, 94, .	1.5	28
17	Control of Mg content and carrier concentration via post annealing under different Mg partial pressures for Sb-doped Mg2Si thermoelectric material. Journal of Solid State Chemistry, 2018, 258, 93-98.	1.4	28
18	Experimental evidence for orientation property of Pb(Zr0.35Ti0.65)O3 by manipulating polar axis angle using CaF2 substrate. Applied Physics Letters, 2010, 96, 102905.	1.5	26

#	Article	IF	Citations
19	Processing and dielectric characterization of Ba0.3Sr0.7TiO3 thin films on alumina substrates. Journal of the European Ceramic Society, 2007, 27, 2945-2948.	2.8	25
20	Impact of pulse poling on static and dynamic ferroelastic-domain contributions in tetragonal Pb(Ti,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 .	1.1	25
21	Structural and dielectric properties of strain-controlled epitaxial SrTiO3 thin films by two-step growth technique. Journal of Applied Physics, 2005, 98, 054105.	1.1	24
22	Strong growth orientation dependence of strain relaxation in epitaxial (Ba,Sr)TiO3 films and the resulting dielectric properties. Journal of Applied Physics, 2011, 109, .	1.1	24
23	Direct observation of intrinsic piezoelectricity of Pb(Zr,Ti)O3 by time-resolved x-ray diffraction measurement using single-crystalline films. Applied Physics Letters, 2014, 105, .	1.5	24
24	Epitaxial growth of Ba0.3Sr0.7TiO3 thin films on Al2O3(0001) using ultrathin TiN layer as a sacrificial template. Applied Physics Letters, 2007, 90, 142911.	1.5	23
25	Crystal structure and electrical property comparisons of epitaxial Pb(Zr,Ti)O3 thick films grown on (100)CaF2 and (100)SrTiO3 substrates. Journal of Applied Physics, 2009, 105, 061614.	1.1	23
26	Spontaneous polarization estimation from the soft mode in strain-free epitaxial polar axis-oriented Pb(Zr,Ti)O3 thick films with tetragonal symmetry. Applied Physics Letters, 2011, 98, .	1.5	23
27	In-situ observation of ultrafast 90Â° domain switching under application of an electric field in (100)/(001)-oriented tetragonal epitaxial Pb(Zr0.4Ti0.6)O3 thin films. Scientific Reports, 2017, 7, 9641.	1.6	23
28	RuO2 clusters derived from bulk SrRuO3: Robust catalyst for oxygen evolution reaction in acid. Nano Research, 2022, 15, 1959-1965.	5.8	23
29	Polar phonons in some compressively stressed epitaxial and polycrystalline SrTiO3 thin films. Journal of Electroceramics, 2009, 22, 297-301.	0.8	22
30	Effect of the Thickness of SiO2 under Layer on the Initial Stage of Epitaxial Growth Process of Yttria-Stabilized Zirconia (YSZ) Thin Film Deposited on Si(001) Substrate.. Journal of the Ceramic Society of Japan, 2001, 109, 766-770.	1.3	21
31	Ultrafast switching of ferroelastic nanodomains in bilayered ferroelectric thin films. Applied Physics Letters, 2011, 99, 182906.	1.5	21
32	Negligible substrate clamping effect on piezoelectric response in (111)-epitaxial tetragonal Pb(Zr, Ti)O3 films. Journal of Applied Physics, 2015, 118, .	1.1	21
33	Growth of Epitaxial KNbO₃Thick Films by Hydrothermal Method and Their Characterization. Japanese Journal of Applied Physics, 2009, 48, 09KA14.	0.8	20
34	Large impact of strain on the electro-optic effect in (Ba, Sr)TiO3 thin films: Experiment and theoretical comparison. Applied Physics Letters, 2019, 115, .	1.5	20
35	In situ Raman spectroscopy for characterization of the domain contributions to electrical and piezoelectric responses in Pb(Zr,Ti)O3 films. Applied Physics Letters, 2010, 97, .	1.5	19
36	Orientation control of (001) and (101) in epitaxial tetragonal Pb(Zr,Ti)O3 films with (100)/(001) and (110)/(101) mixture orientations. Journal of the Ceramic Society of Japan, 2010, 118, 627-630.	0.5	18

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37	Structure Determination and Compositional Modification of Body-Centered Tetragonal PX-Phase Lead Titanate. Chemistry of Materials, 2011, 23, 2529-2535.	3.2	18
38	DC bias-dependent shift of the resonance frequencies in BST thin film membranes. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 2487-2492.	1.7	17
39	Composition control and thickness dependence of {100}-oriented epitaxial BiCoO3â€“BiFeO3 films grown by metalorganic chemical vapor deposition. Journal of Applied Physics, 2009, 105, 061620.	1.1	17
40	Significant effect of Mg-pressure-controlled annealing: non-stoichiometry and thermoelectric properties of Mg_{2â^Î´}Si_{1â^'x}Sb_x. Physical Chemistry Chemical Physics, 2018, 20, 25939-25950.	1.3	17
41	Effect of Yttria-Stabilized Zirconia Thickness on Crystal Structure and Electric Property of Epitaxial CeO2/Yttria-Stabilized Zirconia Buffer Layer in Metal/Ferroelectric/Insulator/Semiconductor Structure. Japanese Journal of Applied Physics, 2001, 40, 281-284.	0.8	16
42	Growth of (111)-oriented BaTiO3â€“Bi(Mg0.5Ti0.5)O3 epitaxial films and their crystal structure and electrical property characterizations. Journal of Applied Physics, 2012, 111, .	1.1	15
43	Annealing effect on dislocations in SrTiO3â•LaAlO3 heterostructures. Journal of Applied Physics, 2007, 101, 064102.	1.1	14
44	Effect of bottom electrode on dielectric property of sputtered-(Ba,Sr)TiO3 films. Journal of Applied Physics, 2009, 105, 061606.	1.1	14
45	Enhancement of piezoelectric response in (100)/(001) oriented tetragonal Pb(Zr, Ti)O3 films by controlling tetragonality and volume fraction of the (001) orientation. Journal of Applied Physics, 2011, 109, .	1.1	14
46	Diffraction contrast analysis of 90Â° and 180Â° ferroelectric domain structures of PbTiO₃thin films. Science and Technology of Advanced Materials, 2011, 12, 034403.	2.8	14
47	Charge screening strategy for domain pattern control in nano-scale ferroelectric systems. Scientific Reports, 2017, 7, 5236.	1.6	14
48	Growth-mode induced defects in epitaxial SrTiO₃ thin films grown on single crystal LaAlO₃ by a two-step PLD process. Journal of Materials Research, 2011, 26, 770-774.	1.2	13
49	Piezoelectric Properties of {100}-Oriented Epitaxial BiCoO₃â€“BiFeO₃Films Measured Using Synchrotron X-ray Diffraction. Japanese Journal of Applied Physics, 2009, 48, 09KD06.	0.8	12
50	Effect of Film Thickness and Crystal Orientation on the Constituent Phase in Epitaxial BiFeO₃â€“BiCoO₃ Films Grown on SrTiO₃ Substrates. Japanese Journal of Applied Physics, 2010, 49, 09MB04.	0.8	12
51	Influence of Confined Polymer Structure on Proton Transport Property in Sulfonated Polyimide Thin Films. Electrochemistry, 2014, 82, 865-869.	0.6	12
52	Phase transitions associated with competing order parameters in compressively strained<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></m films. Physical Review B, 2015, 91, .	1.1	12
53	Low strain sensitivity of the dielectric property of pyrochlore Biâ€“Znâ€“Nbâ€“O films. Applied Physics Letters, 2008, 92, 182901.	1.5	11
54	Temperature and electric field stabilities of dielectric and insulating properties for c-axis-oriented CaBi4Ti4O15 films. Journal of Applied Physics, 2013, 114, .	1.1	11

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55	Orientation control of epitaxial tetragonal Pb(ZrxTi1â^'x)O3 thin films grown on (100)KTaO3 substrates by tuning the Zr/(Zrâ€‰+â€‰Ti) ratio. Applied Physics Letters, 2015, 107, .	1.5	11
56	Large Electromechanical Responses Driven by Electrically Induced Dense Ferroelastic Domains: Beyond Morphotropic Phase Boundaries. ACS Applied Electronic Materials, 2020, 2, 1908-1916.	2.0	11
57	Composition dependence of crystal structure and electrical properties for epitaxial films of Bi(Zn1/2Ti1/2)O3-BiFeO3 solid solution system. Journal of the Ceramic Society of Japan, 2010, 118, 659-663.	0.5	10
58	Dielectric tunability analysis of pyrochlore Bi1.5Zn1.0Nb1.5O7 using epitaxial films on pyrochlore Bi2Ru2O7 conductive layers. Applied Physics Letters, 2014, 104, .	1.5	10
59	Large irreversible non-180Â° domain switching after poling treatment in Pb(Zr, Ti)O3 films. Applied Physics Letters, 2016, 108, .	1.5	10
60	Effect of in-plane tensile strain in (100)/(001)-oriented epitaxial PbTiO3 films on their phase transition temperature and tetragonal distortion. Applied Physics Letters, 2017, 110, .	1.5	10
61	Linear electro-optic effect in ferroelectric HfO2-based epitaxial thin films. Japanese Journal of Applied Physics, 0, , .	0.8	10
62	Preparation and Characteristics of Bi_{0.5}Na_{0.5}TiO₃ Singleâ€Crystalline Films by a Solidâ€State Process. Journal of the American Ceramic Society, 2011, 94, 3291-3295.	1.9	9
63	Ba(Zr Ti1â^')O3 thin films for tunable microwave applications. Ceramics International, 2015, 41, S323-S330.	2.3	9
64	Crystallographic orientation dependence of the sputtering yields of nickel and copper for 4-keV argon ions determined using polycrystalline targets. Nuclear Instruments & Methods in Physics Research B, 2018, 418, 34-40.	0.6	9
65	In Situ XRD Observation of Crystal Deformation of Piezoelectric (K,Na)NbO₃ Thin Films. ACS Applied Electronic Materials, 2020, 2, 2084-2089.	2.0	9
66	Preparation of 1ÂÎ¼m thick Y-doped HfO₂ ferroelectric films on (111)Pt/TiO _x /SiO₂/(001)Si substrates by a sputtering method and their ferroelectric and piezoelectric properties. Japanese Journal of Applied Physics, 2021, 60, 031009.	0.8	9
67	Growth Mechanism of SrTiO₃ Thin Film on CeO₂(001) Surface. Key Engineering Materials, 2002, 228-229, 137-140.	0.4	8
68	Single crystal-like selection rules for unipolar-axis oriented tetragonal Pb(Zr,Ti)O3 thick epitaxial films. Applied Physics Letters, 2010, 97, 111901.	1.5	8
69	Growth of Orientation-Controlled Epitaxial KNbO₃ Thin Film by Hydrothermal Method. Key Engineering Materials, 0, 485, 199-202.	0.4	8
70	Unusual 90Â° domain structure in (2/3)Bi(Zn1/2Ti1/2)O3-(1/3)BiFeO3 epitaxial films with giant 22% tetragonal distortion. Applied Physics Letters, 2013, 103, .	1.5	8
71	Domain structure of tetragonal Pb(Zr,Ti)O₃ nanorods and its size dependence. Japanese Journal of Applied Physics, 2015, 54, 10NA07.	0.8	8
72	Fabrication and characterization of (110)-oriented (Ba0.5,Sr0.5)TiO3thin films using PdO//Pd buffer layer. Japanese Journal of Applied Physics, 2015, 54, 10NA15.	0.8	8

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73	Ab initioStudy on Face Azimuth Dependency of Surface Energy and Structure in PbTiO₃. Ferroelectrics, 2016, 490, 167-173.	0.3	8
74	Domain structure transition from two to three dimensions in tensile strained (100)/(001)-oriented epitaxial tetragonal PZT film. Applied Physics Letters, 2018, 113, .	1.5	8
75	Temperature dependence on the domain structure of epitaxial PbTiO₃ films grown on single crystal substrates with different lattice parameters. Japanese Journal of Applied Physics, 2020, 59, SPPB01.	0.8	8
76	Influence of Epitaxial Growth Orientation on Residual Strain and Dielectric Properties of (Ba_{0.3}Sr_{0.7})TiO₃Films Grown on In-Plane Compressive Substrates. Ferroelectrics, 2010, 405, 262-267.	0.3	7
77	Growth of (111)-Oriented Epitaxial Bi(Mg_{0.5}Ti_{0.5})O₃ Films and their Characterization. Key Engineering Materials, 2011, 485, 195-198.	0.4	7
78	Influence of orientation on the electro-optic effect in epitaxial Y-doped HfO₂ ferroelectric thin films. Japanese Journal of Applied Physics, 2021, 60, SFFB13.	0.8	7
79	Microwave phase shifters based on sol-gel derived Ba<inf>0</inf>.<inf>3</inf>Sr<inf>0</inf>.<inf>7</inf>TiO<inf>3</inf> ferroelectric thin films. , 2007, , .		6
80	Composition Dependency of Epitaxial Pb(Zr,Ti)O₃Films with Different Film Thickness. Ferroelectrics, 2009, 389, 10-17.	0.3	6
81	Antiferrodistortive Structural Phase Transition in Compressively-Strained Epitaxial SrTiO3 Film Grown on (La, Sr)(Al, Ta)O3 Substrate. Integrated Ferroelectrics, 2010, 115, 57-62.	0.3	6
82	Phase Boundary Shift by Thermal Strain in 100-Oriented Epitaxial Pb(ZrxTi1-x)O3Film Grown on CaF2Substrates. Japanese Journal of Applied Physics, 2013, 52, 09KA02.	0.8	6
83	Experimental study of effect of strain on electrocaloric effect in (001)-epitaxial (Ba,Sr)TiO₃ thin films. Japanese Journal of Applied Physics, 2017, 56, 10PF15.	0.8	6
84	Influence of cooling rate on ferroelastic domain structure for epitaxial (100)/(001)-oriented Pb(Zr,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	6
85	Revealing intrinsic electro-optic effect in single domain Pb(Zr, Ti)O3 thin films. Applied Physics Letters, 2021, 119, .	1.5	6
86	Growth of Baâ€“O ultrathin films on Pt(1 1 1) followed by Ti incorporation to prepare oxide crystalline approximants and quasicrystals. Applied Surface Science, 2021, 561, 150099.	3.1	6
87	Growth and composition of an ultrathin Ba-Ti-O quasicrystal film and its crystalline approximant on Pt(111). Physical Review Materials, 2020, 4, .	0.9	6
88	Growth process approaches for improved properties of tunable ferroelectric thin films. Journal of the European Ceramic Society, 2007, 27, 3753-3758.	2.8	5
89	Synchrotron X-ray diffraction study on a single nanowire of PX-phase lead titanate. Journal of the European Ceramic Society, 2010, 30, 3259-3262.	2.8	5
90	Small-strain (100)/(001)-oriented epitaxial PbTiO₃ films with film thickness ranging from nano- to micrometer order grown on (100)CaF₂ substrates by metal organic chemical vapor deposition. Journal of Materials Research, 2013, 28, 696-701.	1.2	5

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91	Influence of Ba/Sr ratio in compressively-strained (Ba,Sr)TiO₃(001) films on the ferroelectric phase transition. Journal of the Ceramic Society of Japan, 2013, 121, 690-692.	0.5	5
92	Preparation and characterization of Ba(ZrxTi1â^'x)O3thin films for high-frequency applications. Japanese Journal of Applied Physics, 2014, 53, 09PB04.	0.8	5
93	High carrier concentration in Mg 2 Si 1â^'x Sb x (0Ââ‰Â x Ââ‰Â0.10) prepared by a combination of liquid-solid reaction, ball milling, and spark plasma sintering. Intermetallics, 2017, 81, 47-51.	1.8	5
94	Special Issue Ceramics Integration. Preparation of Epitaxial YSZ Thin Film Deposited on SiO2/Si(001) at Room Temperature by Pulsed Laser Deposition(PLD).. Journal of the Ceramic Society of Japan, 2002, 110, 333-337.	1.3	4
95	Growth Behavior of Epitaxial MgO Films on Si(001) by Pulsed Laser Deposition. Key Engineering Materials, 2003, 253, 119-128.	0.4	4
96	Structural Property and Electric Field Response of a Single Perovskite PbTiO3Nanowire Using Micro X-ray Beam. Japanese Journal of Applied Physics, 2010, 49, 09MC09.	0.8	4
97	Comparison of BST film microwave tunable devices based on (100) and (111) MgO substrates. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 2221-2227.	1.7	4
98	Indirect measurements of electrocaloric effect in ferroelectric thin films by positive-up-negative-down method. Journal of the Ceramic Society of Japan, 2017, 125, 441-444.	0.5	4
99	Theoretical estimation of the linear electro-optic effect in compressively strained <i>c</i>-domain (Ba, Sr)TiO₃ thin films using a phenomenological thermodynamic model. Journal of the Ceramic Society of Japan, 2019, 127, 348-352.	0.5	4
100	X-ray Diffraction Study of Electric-field-induced Strains in Polycrystalline BiFeO3 Thin Films at Low Temperature Using Synchrotron Radiation. Journal of the Korean Physical Society, 2011, 59, 2556-2559.	0.3	4
101	Effective Buffer Structures and Dielectric Properties of Epitaxial Pb(Mg_{1/3}Nb_{2/3})O₃ Thin Films on Si Substrates. Key Engineering Materials, 2003, 248, 65-68.	0.4	3
102	RELATION BETWEEN PROCESSING, MICROSTRUCTURE AND ELECTRIC FIELD-DEPENDENT DIELECTRIC PROPERTIES OF Ba_{0.3}Sr_{0.7}TiO₃ THIN FILMS ON ALUMINA SUBSTRATES. Integrated Ferroelectrics, 2007, 93, 119-125.	0.3	3
103	Reliability study of tunable ferroelectric capacitors. Journal of Applied Physics, 2008, 104, 064104.	1.1	3
104	Effect of mechanical loading on the tuning of acoustic resonances in Ba x Sr1â^'x TiO3 thin films. Journal of Electroceramics, 2010, 24, 237-244.	0.8	3
105	Crystal orientation dependency of ferroelectric property in rhombohedral Pb(Zr,Ti)O3films. Japanese Journal of Applied Physics, 2014, 53, 04ED06.	0.8	3
106	Fabrication of Tetragonal Pb(Zr,Ti)O₃Nanorods by Focused Ion Beam and Characterization of the Domain Structure. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 1642-1646.	1.7	3
107	Orientation change with substrate type and composition in (100)/(001)-oriented epitaxial tetragonal Pb(Zr_xTi_{1−}_x)O₃ films. Journal of the Ceramic Society of Japan, 2017, 125, 458-462.	0.5	3
108	Influence of deposition conditions on self-assembled growth of Pb(Zr,Ti)O₃ nanorods by pulsed laser deposition at elevated oxygen pressure. Journal of the Ceramic Society of Japan, 2018, 126, 276-280.	0.5	3

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109	Time-resolved X-ray diffraction system for study of Pb(Zr, Ti)O3 films under a temporal electric field at BL15XU, SPring-8. Review of Scientific Instruments, 2019, 90, 093001.	0.6	3
110	Ferroelastic domain motion by pulsed electric field in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mn>111</mml:mn><mm rhombohedral epitaxial <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Pb</mml:mi><mml:mrow><. Physical Review B, 2019, 100, .	1.1	3
111	Enhanced intrinsic piezoelectric response in (001)-epitaxial single c-domain Pb(Zr,Ti)O3 nanorods. Applied Physics Letters, 2020, 117, .	1.5	3
112	Unraveling the reasons behind lead phthalocyanine acting as a good absorber for near-infrared sensitive devices. Scientific Reports, 2022, 12, .	1.6	3
113	Microwave phase shifters based on sol-gel derived Ba<inf>0.3</inf>Sr<inf>0.7</inf>TiO<inf>3</inf> ferroelectric thin films. , 2007, , .		2
114	Geometric Phase Analysis of Nano-Scale Strain Fields Around 90Â° Domains in PbTiO3/SrTiO3 Epitaxial Thin Film. Materials Research Society Symposia Proceedings, 2009, 1199, 12.	0.1	2
115	Fabrication of conductive oxide polycrystalline BaPbO3 films by chemical solution deposition and their electrical resistivity. Journal of Electroceramics, 2009, 22, 78-81.	0.8	2
116	Effects of A-Site Occupancy of Bismuth Ions on the Dielectric Tunable Properties of Pyrochlore Bismuth Zinc Niobate Films. Japanese Journal of Applied Physics, 2012, 51, 09LA10.	0.8	2
117	Anisotropic electrical properties in bismuth layer structured dielectrics with natural super lattice structure. Applied Physics Letters, 2012, 101, .	1.5	2
118	TEM Analysis of the Nanostructure of Pb(Mg_{1/3}Nb_{2/3})O₃ Thin Films by MOD Method. Key Engineering Materials, 2013, 582, 19-22.	0.4	2
119	Strain-Stable Nonlinear Dielectric Responses in Pyrochlore Bismuth Zinc Niobate Thin Films. Japanese Journal of Applied Physics, 2013, 52, 09KA13.	0.8	2
120	Control of Volume Fraction of Non-180Â° Domains by Thermal Strain in Epitaxial Rhombohedral Pb(Zr,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.1	2
121	Fabrication and characterization of (111)-epitaxial Pb(Zr0.35Ti0.65)O3/Pb(Zr0.65Ti0.35)O3artificial superlattice thin films. Japanese Journal of Applied Physics, 2016, 55, 10TA20.	0.8	2
122	Significant suppression of island growth in epitaxial (Pb,La)(Zr,Ti)O₃ thin films by two-step growth technique. Journal of the Ceramic Society of Japan, 2016, 124, 1127-1131.	0.5	2
123	Domain structure transition in compressively strained (100)/(001) epitaxial tetragonal PZT film. Journal of Applied Physics, 2021, 129, 024101.	1.1	2
124	Interfacial dislocations in (111) oriented (Ba0.7Sr0.3)TiO3films on SrTiO3single crystal. Applied Physics Letters, 2015, 107, 141605.	1.5	2
125	Theoretical Analysis of Nanogenerators with Aligned Nanorods for Piezoelectric Energy Harvesting. Sensors and Materials, 2019, 31, 3669.	0.3	2
126	Effects of A-Site Occupancy of Bismuth Ions on the Dielectric Tunable Properties of Pyrochlore Bismuth Zinc Niobate Films. Japanese Journal of Applied Physics, 2012, 51, 09LA10.	0.8	2

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127	Fabrication of (Pb_{0.9}Sr_{0.1})TiO₃/SrTiO₃ artificial superlattice thin films and their electromechanical response. Journal of the Ceramic Society of Japan, 2020, 128, 431-435.	0.5	2
128	Domain structures induced by tensile thermal strain in epitaxial PbTiO3 films on silicon substrates. Journal of Applied Physics, 2022, 131, 035301.	1.1	2
129	Noâ€Heating Deposition of 1â€¼mâ€Thick Yâ€Doped HfO₂ Ferroelectric Films with Good Ferroelectric and Piezoelectric Properties by Radio Frequency Magnetron Sputtering Method. Physica Status Solidi - Rapid Research Letters, 2022, 16, .	1.2	2
130	Effect of Ni doping on the electro-optic property in K(Ta_{0.6}Nb_{0.4})O₃ films. Japanese Journal of Applied Physics, 2022, 61, SN1005.	0.8	2
131	Optimizing the growth of K(Ta_{0.6}Nb_{0.4})O₃ films using pulsed laser deposition and their electro-optic property. Journal of the Ceramic Society of Japan, 2022, 130, 424-428.	0.5	2
132	Role of the First Atomic Layers in Epitaxial Relationship and Interface Characteristics of SrTiO3 Films on CeO2/YSZ/Si(001). Materials Research Society Symposia Proceedings, 2002, 747, 1.	0.1	1
133	Growth of Epitaxial Potassium Niobate Film on (100)SrRuO3/(100)SrTiO3 by Hydrothermal Method and their Electromechanical Properties. Materials Research Society Symposia Proceedings, 2008, 1139, 1.	0.1	1
134	Determination Factors of Strain-relaxed Complex Domain Structure observed in Thick Epitaxial pb(Zr,Ti)O3Films. Materials Research Society Symposia Proceedings, 2009, 1199, 142.	0.1	1
135	Structural and dielectric properties of epitaxial (Ba,Sr)TiO3 films on c-Al2O3 with ultra-thin TiN sacrificial template. Journal of the Ceramic Society of Japan, 2011, 119, 261-265.	0.5	1
136	Direct Observation of Atomic Arrangement around 90Â° Domain Wall in Lead Titanate Thin Films.. Materials Research Society Symposia Proceedings, 2013, 1515, 1.	0.1	1
137	Nano-Structure around 90Â° Domain Wall and Elastic Interaction with Misfit Dislocation in PbTiO₃ Thin Film. Key Engineering Materials, 2013, 566, 167-170.	0.4	1
138	Bi4Ti3O12Nanowall Growth Driven by Anisotropic Growth Rate and Size Control. Japanese Journal of Applied Physics, 2013, 52, 09KA09.	0.8	1
139	Strong impact of SrTiO3/TiO2 buffer layer on epitaxial growth and dielectric response of Ba0.7Sr0.3TiO3 thin films on MgO. Japanese Journal of Applied Physics, 2018, 57, 0902B1.	0.8	1
140	Influence of Internal Strains of (110)-One-Axis-Oriented (Ba0.5Sr0.5)TiO3 (BST) Thin Films on Their Dielectric Behaviors. Science of Advanced Materials, 2017, 9, 1806-1809.	0.1	1
141	Effects of Oxygen Partial Pressure and Laser Energy Density on the Heteroepitaxial Growth of YSZ on Si(001) by Pulsed Laser Deposition.. Journal of the Ceramic Society of Japan, 2000, 108, 777-779.	1.3	0
142	Strain Relaxation and Dislocation Confinement in Epitaxial SrTiO3 by Two-Step Growth Technique and the Resulting Dielectric Response. Materials Research Society Symposia Proceedings, 2005, 902, 1.	0.1	0
143	Growth of polar axis oriented tetragonal Pb(Zr,Ti)O3 films on CaF2 substrates with transparent (La0.07Sr0.93)SnO3. Journal of Crystal Growth, 2010, 312, 3127-3130.	0.7	0
144	Integration of Coplanar Barium-Strontium Titanate Tunable Capacitors on Micro-Machined Silicon. Integrated Ferroelectrics, 2010, 115, 110-119.	0.3	0

#	Article	IF	Citations
145	Dielectric Properties of Bismuth Layer-Structured Oxide Thin Films with Preferential Crystal Orientation at High-Temperature. Key Engineering Materials, 0, 485, 191-194.	0.4	0
146	Development of novel Pb, Li, Na and K-free piezoelectric materials for Si-based MEMS application. , 2012, , .		0
147	Temperature and Frequency Dependencies of Ferroelectric Properties in Rhombohedral Epitaxial Pb(Zr,Ti)O3 Films with Perfect (111) Orientations Grown on CaF2 Substrates.. Materials Research Society Symposia Proceedings, 2012, 1397, 65.	0.1	0
148	Noncontact probing method for estimation of ferroelectric properties of PbTiO₃-based films for microelectromechanical systems. Journal of Materials Research, 2012, 27, 1430-1435.	1.2	0
149	Enhanced figure of merit in Pb(Zr,Ti)O3 nanorods for piezoelectric energy harvesting. AIP Advances, 2020, 10, 105101.	0.6	0