

Tomoaki Yamada

List of Publications by Year in descending order

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149
papers

3,201
citations

279701

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52
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153
all docs

153
docs citations

153
times ranked

3484
citing authors

#	ARTICLE	IF	CITATIONS
1	RuO ₂ clusters derived from bulk SrRuO ₃ : Robust catalyst for oxygen evolution reaction in acid. Nano Research, 2022, 15, 1959-1965.	5.8	23
2	Domain structures induced by tensile thermal strain in epitaxial PbTiO ₃ films on silicon substrates. Journal of Applied Physics, 2022, 131, 035301.	1.1	2
3	Heating Deposition of 1/4-µm-Thick Y-Doped HfO ₂ 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
4	Unraveling the reasons behind lead phthalocyanine acting as a good absorber for near-infrared sensitive devices. Scientific Reports, 2022, 12, .	1.6	3
5	Effect of Ni doping on the electro-optic property in K(Ta _{0.6} Nb _{0.4})O ₃ films. Japanese Journal of Applied Physics, 2022, 61, SN1005.	0.8	2
6	Optimizing the growth of K(Ta _{0.6} Nb _{0.4})O ₃ films using pulsed laser deposition and their electro-optic property. Journal of the Ceramic Society of Japan, 2022, 130, 424-428.	0.5	2
7	Preparation of 1/4µm thick Y-doped HfO ₂ ferroelectric films on (111)Pt/TiO _x /SiO ₂ /(001)Si substrates by a sputtering method and their ferroelectric and piezoelectric properties. Japanese Journal of Applied Physics, 2021, 60, 031009.	0.8	9
8	Influence of cooling rate on ferroelastic domain structure for epitaxial (100)/(001)-oriented Pb(Zr _{0.8} Ti _{0.2})O ₃ thin films. Applied Physics Letters, 2021, 119, .	0.8	6
9	Influence of orientation on the electro-optic effect in epitaxial Y-doped HfO ₂ ferroelectric thin films. Japanese Journal of Applied Physics, 2021, 60, SFFB13.	0.8	7
10	Revealing intrinsic electro-optic effect in single domain Pb(Zr, Ti)O ₃ thin films. Applied Physics Letters, 2021, 119, .	1.5	6
11	Growth of BaO 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
12	Domain structure transition in compressively strained (100)/(001) epitaxial tetragonal PZT film. Journal of Applied Physics, 2021, 129, 024101.	1.1	2
13	Enhanced intrinsic piezoelectric response in (001)-epitaxial single c-domain Pb(Zr,Ti)O ₃ nanorods. Applied Physics Letters, 2020, 117, .	1.5	3
14	In Situ XRD Observation of Crystal Deformation of Piezoelectric (K,Na)NbO ₃ Thin Films. ACS Applied Electronic Materials, 2020, 2, 2084-2089.	2.0	9
15	Enhanced figure of merit in Pb(Zr,Ti)O ₃ nanorods for piezoelectric energy harvesting. AIP Advances, 2020, 10, 105101.	0.6	0
16	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
17	Temperature dependence on the domain structure of epitaxial PbTiO ₃ films grown on single crystal substrates with different lattice parameters. Japanese Journal of Applied Physics, 2020, 59, SPPB01.	0.8	8
18	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

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19	Fabrication of $(\text{Pb}_{0.9}\text{Sr}_{0.1})\text{TiO}_3/\text{SrTiO}_3$ artificial superlattice thin films and their electromechanical response. <i>Journal of the Ceramic Society of Japan</i> , 2020, 128, 431-435.	0.9	2
20	Large impact of strain on the electro-optic effect in $(\text{Ba}, \text{Sr})\text{TiO}_3$ thin films: Experiment and theoretical comparison. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	20
21	Time-resolved X-ray diffraction system for study of $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ films under a temporal electric field at BL15XU, SPring-8. <i>Review of Scientific Instruments</i> , 2019, 90, 093001. Ferroelastic domain motion by pulsed electric field in PbTiO_3	0.6	3
22	rhombohedral epitaxial PbTiO_3 thin films. <i>Physical Review B</i> , 2019, 100, .	1.1	3
23	Theoretical estimation of the linear electro-optic effect in compressively strained c -domain $(\text{Ba}, \text{Sr})\text{TiO}_3$ thin films using a phenomenological thermodynamic model. <i>Journal of the Ceramic Society of Japan</i> , 2019, 127, 348-352.	0.5	4
24	Theoretical Analysis of Nanogenerators with Aligned Nanorods for Piezoelectric Energy Harvesting. <i>Sensors and Materials</i> , 2019, 31, 3669.	0.3	2
25	Crystallographic orientation dependence of the sputtering yields of nickel and copper for 4-keV argon ions determined using polycrystalline targets. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018, 418, 34-40.	0.6	9
26	Control of Mg content and carrier concentration via post annealing under different Mg partial pressures for Sb-doped $\text{Mg}_{2-x}\text{Si}_x\text{Sb}_x$ thermoelectric material. <i>Journal of Solid State Chemistry</i> , 2018, 258, 93-98.	1.4	28
27	Significant effect of Mg-pressure-controlled annealing: non-stoichiometry and thermoelectric properties of $\text{Mg}_{2-x}\text{Si}_x\text{Sb}_x$. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25939-25950.	1.3	17
28	Domain structure transition from two to three dimensions in tensile strained (100)/(001)-oriented epitaxial tetragonal PZT film. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	8
29	Strong impact of $\text{SrTiO}_3/\text{TiO}_2$ buffer layer on epitaxial growth and dielectric response of $\text{Ba}_{0.7}\text{Sr}_{0.3}\text{TiO}_3$ thin films on MgO . <i>Japanese Journal of Applied Physics</i> , 2018, 57, 0902B1.	0.8	1
30	Influence of deposition conditions on self-assembled growth of $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ nanorods by pulsed laser deposition at elevated oxygen pressure. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 276-280.	0.5	3
31	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, .	1.5	10
32	High carrier concentration in $\text{Mg}_{2-x}\text{Si}_x\text{Sb}_x$ ($0 \leq x \leq 0.10$) prepared by a combination of liquid-solid reaction, ball milling, and spark plasma sintering. <i>Intermetallics</i> , 2017, 81, 47-51.	1.8	5
33	Experimental study of effect of strain on electrocaloric effect in (001)-epitaxial $(\text{Ba}, \text{Sr})\text{TiO}_3$ thin films. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 10PF15.	0.8	6
34	In-situ observation of ultrafast 90° domain switching under application of an electric field in (100)/(001)-oriented tetragonal epitaxial $\text{Pb}(\text{Zr}_{0.4}\text{Ti}_{0.6})\text{O}_3$ thin films. <i>Scientific Reports</i> , 2017, 7, 9641.	1.6	23
35	Charge screening strategy for domain pattern control in nano-scale ferroelectric systems. <i>Scientific Reports</i> , 2017, 7, 5236.	1.6	14
36	Indirect measurements of electrocaloric effect in ferroelectric thin films by positive-up-negative-down method. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 441-444.	0.5	4

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37	Orientation change with substrate type and composition in (100)/(001)-oriented epitaxial tetragonal $\text{Pb}(\text{Zr}_x\text{Ti}_{1-x})\text{O}_3$ films. Journal of the Ceramic Society of Japan, 2017, 125, 458-462.	0.5	3
38	Influence of Internal Strains of (110)-One-Axis-Oriented $(\text{Ba}_{0.5}\text{Sr}_{0.5})\text{TiO}_3$ (BST) Thin Films on Their Dielectric Behaviors. Science of Advanced Materials, 2017, 9, 1806-1809.	0.1	1
39	Large irreversible non-180° domain switching after poling treatment in $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ films. Applied Physics Letters, 2016, 108, .	1.5	10
40	Fabrication and characterization of (111)-epitaxial $\text{Pb}(\text{Zr}_{0.35}\text{Ti}_{0.65})\text{O}_3/\text{Pb}(\text{Zr}_{0.65}\text{Ti}_{0.35})\text{O}_3$ artificial superlattice thin films. Japanese Journal of Applied Physics, 2016, 55, 10TA20.	0.8	2
41	Significant suppression of island growth in epitaxial $(\text{Pb}, \text{La})(\text{Zr}, \text{Ti})\text{O}_3$ thin films by two-step growth technique. Journal of the Ceramic Society of Japan, 2016, 124, 1127-1131.	0.5	2
42	Fabrication of Tetragonal $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ Nanorods 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
43	Study on Face Azimuth Dependency of Surface Energy and Structure in PbTiO_3 . Ferroelectrics, 2016, 490, 167-173.	0.3	8
44	Domain structure of tetragonal $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ nanorods and its size dependence. Japanese Journal of Applied Physics, 2015, 54, 10NA07.	0.8	8
45	Phase transitions associated with competing order parameters in compressively strained SrTiO_3 films. Physical Review B, 2015, 91, .		
46	Negligible substrate clamping effect on piezoelectric response in (111)-epitaxial tetragonal $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ films. Journal of Applied Physics, 2015, 118, .	1.1	21
47	Orientation control of epitaxial tetragonal $\text{Pb}(\text{Zr}_x\text{Ti}_{1-x})\text{O}_3$ thin films grown on (100) KTaO_3 substrates by tuning the $\text{Zr}/(\text{Zr} + \text{Ti})$ ratio. Applied Physics Letters, 2015, 107, .	1.5	11
48	Fabrication and characterization of (110)-oriented $(\text{Ba}_{0.5}\text{Sr}_{0.5})\text{TiO}_3$ thin films using PdO/Pd buffer layer. Japanese Journal of Applied Physics, 2015, 54, 10NA15.	0.8	8
49	$\text{Ba}(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3$ thin films for tunable microwave applications. Ceramics International, 2015, 41, S323-S330.	2.3	9
50	Suppressed polar distortion with enhanced Curie temperature in in-plane 90°-domain structure of a -axis oriented PbTiO_3 Film. Applied Physics Letters, 2015, 106, .	1.5	33
51	Interfacial dislocations in (111) oriented $(\text{Ba}_{0.7}\text{Sr}_{0.3})\text{TiO}_3$ films on SrTiO_3 single crystal. Applied Physics Letters, 2015, 107, 141605.	1.5	2
52	Crystal orientation dependency of ferroelectric property in rhombohedral $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ films. Japanese Journal of Applied Physics, 2014, 53, 04ED06.	0.8	3
53	Direct observation of intrinsic piezoelectricity of $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ by time-resolved x-ray diffraction measurement using single-crystalline films. Applied Physics Letters, 2014, 105, .	1.5	24
54	Dielectric tunability analysis of pyrochlore $\text{Bi}_{1.5}\text{Zn}_{1.0}\text{Nb}_{1.5}\text{O}_7$ using epitaxial films on pyrochlore $\text{Bi}_2\text{Ru}_2\text{O}_7$ conductive layers. Applied Physics Letters, 2014, 104, .	1.5	10

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55	Impact of pulse poling on static and dynamic ferroelastic-domain contributions in tetragonal Pb(Ti, Tj ETQq1 1 0.784314 rgBT /Overled	1.1	25
56	Preparation and characterization of Ba(ZrxTi1- \hat{x})O3 thin films for high-frequency applications. Japanese Journal of Applied Physics, 2014, 53, 09PB04.	0.8	5
57	Influence of Confined Polymer Structure on Proton Transport Property in Sulfonated Polyimide Thin Films. Electrochemistry, 2014, 82, 865-869.	0.6	12
58	TEM Analysis of the Nanostructure of Pb(Mg _{1/3} Nb _{2/3})O ₃ Thin Films by MOD Method. Key Engineering Materials, 2013, 582, 19-22.	0.4	2
59	Small-strain (100)/(001)-oriented epitaxial PbTiO ₃ films with film thickness ranging from nano- to micrometer order grown on (100)CaF ₂ substrates by metal organic chemical vapor deposition. Journal of Materials Research, 2013, 28, 696-701.	1.2	5
60	Direct Observation of Atomic Arrangement around 90° Domain Wall in Lead Titanate Thin Films.. Materials Research Society Symposia Proceedings, 2013, 1515, 1.	0.1	1
61	Strain-Stable Nonlinear Dielectric Responses in Pyrochlore Bismuth Zinc Niobate Thin Films. Japanese Journal of Applied Physics, 2013, 52, 09KA13.	0.8	2
62	Phase Boundary Shift by Thermal Strain in 100-Oriented Epitaxial Pb(ZrxTi1-x)O3 Film Grown on CaF2 Substrates. Japanese Journal of Applied Physics, 2013, 52, 09KA02.	0.8	6
63	Nano-Structure around 90° Domain Wall and Elastic Interaction with Misfit Dislocation in PbTiO ₃ Thin Film. Key Engineering Materials, 2013, 566, 167-170.	0.4	1
64	Unusual 90° 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
65	Control of Volume Fraction of Non-180° Domains by Thermal Strain in Epitaxial Rhombohedral Pb(Zr, Tj ETQq1 1 0.784314, rgBT /Overled	0.1	2
66	Bi4Ti3O12 Nanowall Growth Driven by Anisotropic Growth Rate and Size Control. Japanese Journal of Applied Physics, 2013, 52, 09KA09.	0.8	1
67	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
68	Influence of Ba/Sr ratio in compressively-strained (Ba,Sr)TiO ₃ (001) films on the ferroelectric phase transition. Journal of the Ceramic Society of Japan, 2013, 121, 690-692.	0.5	5
69	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
70	Anisotropic electrical properties in bismuth layer structured dielectrics with natural super lattice structure. Applied Physics Letters, 2012, 101, .	1.5	2
71	Development of novel Pb, Li, Na and K-free piezoelectric materials for Si-based MEMS application. , 2012, , .		0
72	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

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73	Noncontact probing method for estimation of ferroelectric properties of PbTiO ₃ -based films for microelectromechanical systems. Journal of Materials Research, 2012, 27, 1430-1435.	1.2	0
74	Growth of (111)-oriented BaTiO ₃ –Bi(Mg _{0.5} Ti _{0.5})O ₃ epitaxial films and their crystal structure and electrical property characterizations. Journal of Applied Physics, 2012, 111, .	1.1	15
75	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
76	Strong growth orientation dependence of strain relaxation in epitaxial (Ba,Sr)TiO ₃ films and the resulting dielectric properties. Journal of Applied Physics, 2011, 109, .	1.1	24
77	Structure Determination and Compositional Modification of Body-Centered Tetragonal PX-Phase Lead Titanate. Chemistry of Materials, 2011, 23, 2529-2535.	3.2	18
78	Spontaneous polarization estimation from the soft mode in strain-free epitaxial polar axis-oriented Pb(Zr,Ti)O ₃ thick films with tetragonal symmetry. Applied Physics Letters, 2011, 98, .	1.5	23
79	Enhancement of piezoelectric response in (100)/(001) oriented tetragonal Pb(Zr, Ti)O ₃ films by controlling tetragonality and volume fraction of the (001) orientation. Journal of Applied Physics, 2011, 109, .	1.1	14
80	Structural and dielectric properties of epitaxial (Ba,Sr)TiO ₃ films on c-Al ₂ O ₃ with ultra-thin TiN sacrificial template. Journal of the Ceramic Society of Japan, 2011, 119, 261-265.	0.5	1
81	Preparation and Characteristics of Bi _{0.5} Na _{0.5} TiO ₃ Single-Crystalline Films by a Solid-State Process. Journal of the American Ceramic Society, 2011, 94, 3291-3295.	1.9	9
82	Ultrafast switching of ferroelastic nanodomains in bilayered ferroelectric thin films. Applied Physics Letters, 2011, 99, 182906.	1.5	21
83	Configuration and local elastic interaction of ferroelectric domains and misfit dislocation in PbTiO ₃ /SrTiO ₃ epitaxial thin films. Science and Technology of Advanced Materials, 2011, 12, 034413.	2.8	41
84	Growth-mode induced defects in epitaxial SrTiO ₃ thin films grown on single crystal LaAlO ₃ by a two-step PLD process. Journal of Materials Research, 2011, 26, 770-774.	1.2	13
85	Diffraction contrast analysis of 90° and 180° ferroelectric domain structures of PbTiO ₃ thin films. Science and Technology of Advanced Materials, 2011, 12, 034403.	2.8	14
86	Growth of (111)-Oriented Epitaxial Bi(Mg _{0.5} Ti _{0.5})O ₃ Films and their Characterization. Key Engineering Materials, 2011, 485, 195-198.	0.4	7
87	X-ray Diffraction Study of Electric-field-induced Strains in Polycrystalline BiFeO ₃ Thin Films at Low Temperature Using Synchrotron Radiation. Journal of the Korean Physical Society, 2011, 59, 2556-2559.	0.3	4
88	Orientation control of (001) and (101) in epitaxial tetragonal Pb(Zr,Ti)O ₃ films with (100)/(001) and (110)/(101) mixture orientations. Journal of the Ceramic Society of Japan, 2010, 118, 627-630.	0.5	18
89	Composition dependence of crystal structure and electrical properties for epitaxial films of Bi(Zn _{1/2} Ti _{1/2})O ₃ -BiFeO ₃ solid solution system. Journal of the Ceramic Society of Japan, 2010, 118, 659-663.	0.5	10
90	Effect of mechanical loading on the tuning of acoustic resonances in Ba _x Sr _{1-x} TiO ₃ thin films. Journal of Electroceramics, 2010, 24, 237-244.	0.8	3

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91	Growth of polar axis oriented tetragonal Pb(Zr,Ti)O ₃ films on CaF ₂ substrates with transparent (La _{0.07} Sr _{0.93})SnO ₃ . Journal of Crystal Growth, 2010, 312, 3127-3130.	0.7	0
92	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
93	Single crystal-like selection rules for unipolar-axis oriented tetragonal Pb(Zr,Ti)O ₃ thick epitaxial films. Applied Physics Letters, 2010, 97, 111901.	1.5	8
94	<i>In situ</i> Raman spectroscopy for characterization of the domain contributions to electrical and piezoelectric responses in Pb(Zr,Ti)O ₃ films. Applied Physics Letters, 2010, 97, .	1.5	19
95	Antiferrodistortive Structural Phase Transition in Compressively-Strained Epitaxial SrTiO ₃ Film Grown on (La, Sr)(Al, Ta)O ₃ Substrate. Integrated Ferroelectrics, 2010, 115, 57-62.	0.3	6
96	Integration of Coplanar Barium-Strontium Titanate Tunable Capacitors on Micro-Machined Silicon. Integrated Ferroelectrics, 2010, 115, 110-119.	0.3	0
97	Experimental evidence for orientation property of Pb(Zr _{0.35} Ti _{0.65})O ₃ by manipulating polar axis angle using CaF ₂ substrate. Applied Physics Letters, 2010, 96, 102905.	1.5	26
98	Structural Property and Electric Field Response of a Single Perovskite PbTiO ₃ Nanowire Using Micro X-ray Beam. Japanese Journal of Applied Physics, 2010, 49, 09MC09.	0.8	4
99	Effect of Film Thickness and Crystal Orientation on the Constituent Phase in Epitaxial BiFeO ₃ â€“BiCoO ₃ Films Grown on SrTiO ₃ Substrates. Japanese Journal of Applied Physics, 2010, 49, 09MB04.	0.8	12
100	Tunable thin film bulk acoustic wave resonator based on Ba _x Sr _{1-x} TiO ₃ thin film. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 379-385.	1.7	45
101	Influence of Epitaxial Growth Orientation on Residual Strain and Dielectric Properties of (Ba _{0.3} Sr _{0.7})TiO ₃ Films Grown on In-Plane Compressive Substrates. Ferroelectrics, 2010, 405, 262-267.	0.3	7
102	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
103	Effect of bottom electrode on dielectric property of sputtered-(Ba,Sr)TiO ₃ films. Journal of Applied Physics, 2009, 105, 061606.	1.1	14
104	Crystal structure and electrical property comparisons of epitaxial Pb(Zr,Ti)O ₃ thick films grown on (100)CaF ₂ and (100)SrTiO ₃ substrates. Journal of Applied Physics, 2009, 105, 061614.	1.1	23
105	Composition control and thickness dependence of {100}-oriented epitaxial BiCoO ₃ â€“BiFeO ₃ films grown by metalorganic chemical vapor deposition. Journal of Applied Physics, 2009, 105, 061620.	1.1	17
106	Domain structure of (100)/(001)-oriented epitaxial PbTiO ₃ thick films with various volume fraction of (001) orientation grown by metal organic chemical vapor deposition. Applied Physics Letters, 2009, 94, .	1.5	28
107	Composition Dependency of Epitaxial Pb(Zr,Ti)O ₃ Films with Different Film Thickness. Ferroelectrics, 2009, 389, 10-17.	0.3	6
108	Determination Factors of Strain-relaxed Complex Domain Structure observed in Thick Epitaxial pb(Zr,Ti)O ₃ Films. Materials Research Society Symposia Proceedings, 2009, 1199, 142.	0.1	1

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109	Growth of Epitaxial KNbO ₃ Thick Films by Hydrothermal Method and Their Characterization. Japanese Journal of Applied Physics, 2009, 48, 09KA14.	0.8	20
110	Piezoelectric Properties of {100}-Oriented Epitaxial BiCoO ₃ –BiFeO ₃ Films Measured Using Synchrotron X-ray Diffraction. Japanese Journal of Applied Physics, 2009, 48, 09KD06.	0.8	12
111	Geometric Phase Analysis of Nano-Scale Strain Fields Around 90° Domains in PbTiO ₃ /SrTiO ₃ Epitaxial Thin Film. Materials Research Society Symposia Proceedings, 2009, 1199, 12.	0.1	2
112	Self-Assembled Perovskite–Fluorite Oblique Nanostructures for Adaptive (Tunable) Electronics. Advanced Materials, 2009, 21, 1363-1367.	11.1	29
113	Fabrication of conductive oxide polycrystalline BaPbO ₃ films by chemical solution deposition and their electrical resistivity. Journal of Electroceramics, 2009, 22, 78-81.	0.8	2
114	Polar phonons in some compressively stressed epitaxial and polycrystalline SrTiO ₃ thin films. Journal of Electroceramics, 2009, 22, 297-301.	0.8	22
115	Electrical tuning of dc bias induced acoustic resonances in paraelectric thin films. Journal of Applied Physics, 2008, 104, .	1.1	36
116	Low strain sensitivity of the dielectric property of pyrochlore Bi–Zn–Nb–O films. Applied Physics Letters, 2008, 92, 182901.	1.5	11
117	Crystal Structure and Electrical Properties of {100}-Oriented Epitaxial BiCoO ₃ –BiFeO ₃ Films Grown by Metalorganic Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2008, 47, 7582.	0.8	40
118	Growth of Epitaxial Potassium Niobate Film on (100)SrRuO ₃ /(100)SrTiO ₃ by Hydrothermal Method and their Electromechanical Properties. Materials Research Society Symposia Proceedings, 2008, 1139, 1.	0.1	1
119	Reliability study of tunable ferroelectric capacitors. Journal of Applied Physics, 2008, 104, 064104.	1.1	3
120	Microwave phase shifters based on sol-gel derived Ba _{0.3} Sr _{0.7} TiO ₃ ferroelectric thin films. , 2007, .		6
121	Epitaxial growth of Ba _{0.3} Sr _{0.7} TiO ₃ thin films on Al ₂ O ₃ (0001) using ultrathin TiN layer as a sacrificial template. Applied Physics Letters, 2007, 90, 142911.	1.5	23
122	Evidence for the existence of a metal-insulator-semiconductor junction at the electrode interfaces of CaCu ₃ Ti ₄ O ₁₂ thin film capacitors. Applied Physics Letters, 2007, 91, 202903.	1.5	65
123	Tuning of direct current bias-induced resonances in micromachined Ba _{0.3} Sr _{0.7} TiO ₃ thin-film capacitors. Journal of Applied Physics, 2007, 102, .	1.1	55
124	Annealing effect on dislocations in SrTiO ₃ –LaAlO ₃ heterostructures. Journal of Applied Physics, 2007, 101, 064102.	1.1	14
125	RELATION BETWEEN PROCESSING, MICROSTRUCTURE AND ELECTRIC FIELD-DEPENDENT DIELECTRIC PROPERTIES OF Ba _{0.3} Sr _{0.7} TiO ₃ THIN FILMS ON ALUMINA SUBSTRATES. Integrated Ferroelectrics, 2007, 93, 119-125.	0.3	3
126	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

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127	Microwave phase shifters based on sol-gel derived Ba _{0.3} Sr _{0.7} TiO ₃ ferroelectric thin films. , 2007, , .		2
128	Processing and dielectric characterization of Ba _{0.3} Sr _{0.7} TiO ₃ thin films on alumina substrates. Journal of the European Ceramic Society, 2007, 27, 2945-2948.	2.8	25
129	Growth process approaches for improved properties of tunable ferroelectric thin films. Journal of the European Ceramic Society, 2007, 27, 3753-3758.	2.8	5
130	Ferroelectric thin films: Review of materials, properties, and applications. Journal of Applied Physics, 2006, 100, 051606.	1.1	1,480
131	In-Plane and Out-of-Plane Ferroelectric Instabilities in Epitaxial SrTiO ₃ Films. Physical Review Letters, 2006, 96, 157602.	2.9	30
132	Epitaxial amorphous Ba _{0.3} Sr _{0.7} TiO ₃ film composite structure for tunable applications. Applied Physics Letters, 2006, 89, 032905.	1.5	45
133	Strain relaxation of epitaxial SrTiO ₃ thin films on LaAlO ₃ by two-step growth technique. Applied Physics Letters, 2005, 86, 142904.	1.5	43
134	Structural and dielectric properties of strain-controlled epitaxial SrTiO ₃ thin films by two-step growth technique. Journal of Applied Physics, 2005, 98, 054105.	1.1	24
135	Strain Relaxation and Dislocation Confinement in Epitaxial SrTiO ₃ by Two-Step Growth Technique and the Resulting Dielectric Response. Materials Research Society Symposia Proceedings, 2005, 902, 1.	0.1	0
136	Effective Buffer Structures and Dielectric Properties of Epitaxial Pb(Mg _{1/3} Nb _{2/3})O ₃ Thin Films on Si Substrates. Key Engineering Materials, 2003, 248, 65-68.	0.4	3
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