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Preferred Orientations for Sol-Gel Derived PLZT Thin Layers

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#	Paper	IF	Citations
115	Antiferroelectric-ferroelectric switching and induced strains for sol-gel derived lead zirconate thin layers. <i>Journal of Applied Physics</i> , 1994 , 75, 3017-3023	2.5	108
114	Thermodynamics and Kinetics of Surface Area Changes of Faceted Particles. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2314-2318	3.8	18
113	Temperature-Time Texture Transition of Pb(Zr _{1-x} Ti _x)O ₃ Thin Films: I, Role of Pb-rich Intermediate Phases. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2332-2336	3.8	214
112	Temperature-Time Texture Transition of Pb(Zr _{1-x} Ti _x)O ₃ Thin Films: II, Heat Treatment and Compositional Effects. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2337-2344	3.8	133
111	Growth and Characterization of PbTiO ₃ And Pb(Zr,Ti)O ₃ Thin Films by MOCVD. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 361, 337		
110	Phase transformations of oriented Pb(Zr _{1-x} Ti _x)O ₃ thin films from metallo-organic precursors. 1994 , 152, 25-30		22
109	Thickness dependent dielectric properties of Sol-gel prepared lead lanthanum titanate films. 1995 , 7, 161-171		6
108	Effects of Titanium Buffer Layer on Lead-Zirconate-Titanate Crystallization Processes in Sol-Gel Deposition Technique. <i>Japanese Journal of Applied Physics</i> , 1995 , 34, 192-195	1.4	81
107	Characterisation of sol-gel PZT films on Pt-coated substrates. 1995 , 5, 153-155		10
106	Field-induced phase switching and electrically driven strains in sol-gel derived antiferroelectric (Pb,Nb)(Zr,Sn,Ti)O ₃ thin layers. <i>Journal of Applied Physics</i> , 1995 , 78, 1171-1177	2.5	75
105	Microstructure of ceramic thin films. 1996 , 1, 706-714		17
104	Pyroelectric properties of PZT(90/10) thin films on Pt/Si substrates.		1
103	Sol-gel deposition of PZT thin films on ceramic ZrO ₂ /substrates.		5
102	Characteristics of sol-gel derived PZT thin films with lead oxide cover layers and lead titanate interlayers. 1996 , 31, 4559-4568		22
101	Microstructure and Preferred Orientation of BaTiO ₃ Thin Films on Pt/Ti/SiO ₂ /substrates Prepared by Ultrasonic Spraying Deposition. <i>Japanese Journal of Applied Physics</i> , 1997 , 36, 5840-5845	1.4	2
100	Nucleation and orientation of sol-gel pzt-films on pt electrodes. 1997 , 15, 19-28		45
99	Lead zirconate titanate thin films on GaAs substrates. 1997 , 32, 6129-6133		6

98	Preparation of ferroelectric thin films from water-soluble titanate-based gels. 1997 , 8, 729-734		1
97	Texture control of PbTiO ₃ and Pb(Zr,Ti)O ₃ thin films with TiO ₂ seeding. <i>Journal of Applied Physics</i> , 1998 , 83, 3835-3841	2.5	245
96	Sol-gel derived thin films on GaAs. 1998 , 13, 244-248		3
95	PLZT: Precursor characterization and ferroelectric properties. 1998 , 22, 35-43		1
94	Low temperature fabrication and properties of sol-gel derived (111) oriented Pb(Zr _{1-x} Ti _x)O ₃ thin films. 1998 , 72, 2686-2688		83
93	On the correlation between crystallinity of platinum bottom electrode and that of MOD derived PZT thin films. 1998 , 24, 97-104		2
92	A Study on Microstructure and Electrical Properties of Pb _{0.8} La _{0.1} Ca _{0.1} Ti _{0.975} O ₃ Thin Films Prepared by Metal-Organic Decomposition. <i>Japanese Journal of Applied Physics</i> , 1999 , 38, 6415-6420	1.4	6
91	Effect of Excess Lead Addition on Processing of Sol-Gel Derived Lanthanum-Modified Lead Zirconate Titanate Thin Film. <i>Japanese Journal of Applied Physics</i> , 1999 , 38, 5354-5357	1.4	6
90	Structural and Ferroelectric Properties of Sol-Gel Deposited Nb-doped Pb[(Sc _{1/2} Nb _{1/2}) _{0.57} Ti _{0.43}]O ₃ Thin Films. <i>Japanese Journal of Applied Physics</i> , 1999 , 38, 1459-1465	1.4	1
89	Low temperature processing of sol-gel derived PLZT thin film. 1999 , 231, 211-216		4
88	c-Axis oriented sol-gel (Pb,Ca)TiO ₃ ferroelectric thin films on Pt/MgO. 1999 , 348, 253-260		13
87	Dependence of electrical properties on film thickness in lanthanum-doped lead zirconate titanate stannate antiferroelectric thin films. <i>Journal of Applied Physics</i> , 1999 , 85, 3753-3758	2.5	61
86	Growth behavior and ferroelectric properties of Zr-rich PZT thin films deposited on various Pt electrodes. 1999 , 23, 65-75		1
85	Preparation and electrical properties of sol-gel derived antiferroelectric Pb _{0.99} [(Zr _{0.6} Sn _{0.4}) _{0.96} Ti _{0.04}] _{0.98} Nb _{0.02} O ₃ : Thin films. 1999 , 225, 193-200		5
84	Structural development in the early stages of annealing of sol-gel prepared lead zirconate titanate thin films. <i>Journal of Applied Physics</i> , 1999 , 86, 1662-1669	2.5	99
83	Electrical Properties of Low-Temperature Processed PZT Thin Films with Preferred Orientations. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 596, 241		6
82	Self-polarization Mechanism in Textured Pyroelectric Pb(Ti _{1-x} Zr _x)O ₃ films. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 655, 410		6
81	Orientation Selection in Sol-Gel Derived PZT Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 655, 443		6

80	Oriented growth of sol-gel-modified PbTiO ₃ thin films on Si-based substrates. 2000 , 29, 325-329		13
79	Growth of highly (100)-oriented Zr-rich PZT thin films on Pt/Ti/SiO ₂ /Si substrates by a simple sol-gel process. 2000 , 220, 82-87		21
78	TEM characterisation of PZT films prepared by a diol route on platinised silicon substrates. 2000 , 20, 1277-1288		46
77	Electrical fatigue of ferroelectric PbZr _{0.5} Ti _{0.5} O ₃ and antiferroelectric PbZrO ₃ thin films. <i>Materials Research Bulletin</i> , 2000 , 35, 393-402	5.1	14
76	Influence of La _{0.5} Sr _{0.5} CoO ₃ Heterostructure Electrodes on Pb(Zr,Ti)O ₃ Thin Film Properties. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 5437-5440	1.4	10
75	Dielectric properties and field-induced phase switching of lead zirconate titanate stannate antiferroelectric thick films on silicon substrates. <i>Journal of Applied Physics</i> , 2000 , 87, 2507-2515	2.5	115
74	Phase development and ferroelectric properties of lead zirconate titanate thin films prepared from a triol sol-gel route. 2001 , 3, 169-173		10
73	Role of Fluorite Formation in Orientation Selection in Sol-Gel Derived Pb(Zr, Ti)O ₃ Films on Pt Electrode Layers. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 688, 1		1
72	Thickness-dependent microstructures and electrical properties of PZT films derived from sol-gel process. 2001 , 385, 5-10		43
71	Textured PbTiO ₃ /Al ₂ O ₃ composite films prepared by chemical solution deposition. 2001 , 21, 1503-1507		6
70	Effect of the substrate heterostructure on the texture of lanthanum modified lead titanate thin films. 2001 , 21, 1529-1533		10
69	Structure and Electrical Properties of Lead Calcium Titanate Nanocrystalline Thin Films Prepared by a Sol-Gel Process with Rapid Thermal Annealing. 2001 , 186, 41-46		5
68	Highly oriented lead zirconium titanate thin films: Growth, control of texture, and its effect on dielectric properties. <i>Journal of Applied Physics</i> , 2001 , 90, 2703-2710	2.5	61
67	Ferroelectric thin films of modified lead titanate. 2002 , 369-397		3
66	Microstructural characterization of donor-doped lead zirconate titanate films prepared by sol-gel processing. 2002 , 402, 65-70		46
65	Electrical properties of compositionally graded lead calcium titanate thin films. 2003 , 127, 625-628		14
64	Influence of seeding layers and PbO cover-layers on the orientation and microstructure of PLZT thin films. 2003 , 100, 215-220		1
63	Properties of Lead Zirconate Titanate Thin Films Prepared Using a Triol Sol-Gel Route. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 1560-1566	3.8	13

62	Early Stages of Crystallization of Sol-Gel-Derived Lead Zirconate Titanate Thin Films. 2003 , 15, 1147-1155		61
61	Leakage current and relaxation characteristics of highly (111)-oriented lead calcium titanate thin films. <i>Journal of Applied Physics</i> , 2003 , 94, 5163	2.5	39
60	Effects of substrate annealing and post-crystallization thermal treatments on the functional properties of preferentially oriented (Pb,Ca)TiO ₃ thin films. <i>Journal of Applied Physics</i> , 2003 , 93, 4081-4090	2.5	31
59	Effects of Heating Profiles on the Orientation and Dielectric Properties of 0.5Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.5PbTiO ₃ Thin Films by Chemical Solution Deposition. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 2116-2120	3.8	24
58	Processing and Sol Chemistry of a Triol-Based Sol-Gel Route for Preparing Lead Zirconate Titanate Thin Films. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1914-1920	3.8	38
57	Effect of Lead Zirconate Titanate Seeds on PtxPb Formation during the Pyrolysis of Lead Zirconate Titanate Thin Films. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 641-646	3.8	17
56	Thermal annealing effects on the structural and electrical properties of PMN _{0.2} Zr _{0.2} BT ternary thin films deposited by a sol-gel process. 2005 , 25, 759-765		6
55	Preparation and characteristics of nanoporous PLZT ferroelectric thin films prepared via a one-step CSD process. 2005 , 273, 489-493		2
54	Dielectric properties of columnar-grained (Ba _{0.75} Sr _{0.25})(Zr _{0.25} Ti _{0.75})O ₃ thin films prepared by pulsed laser deposition. 2005 , 276, 453-457		16
53	Dielectric properties and high tunability of (1 0 0)- and (1 1 0)-oriented (Ba _{0.5} Sr _{0.5})TiO ₃ thin films prepared by pulsed laser deposition. 2005 , 285, 613-619		16
52	Effect of Tb ³⁺ doping on the preferred orientation of lead titanate thin film prepared by sol-gel method on ITO/glass substrates. 2005 , 198, 395-399		20
51	Microstructure and Dielectric Properties of Textured SrTiO ₃ Thin Films. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 789-801	3.8	41
50	Tailoring of the functional properties of sol-gel films on Pt/TiO ₂ /SiO ₂ /(100)Si substrates: (Pb,La)TiO ₃ /(Pb,Ca)TiO ₃ multilayer heterostructures. 2005 , 80, 369-376		15
49	Effects of texture on the dielectric properties of Ba(Zr _{0.2} Ti _{0.8})O ₃ thin films prepared by pulsed laser deposition. 2005 , 81, 1253-1256		18
48	Contributions to the dielectric losses of textured SrTiO ₃ thin films with Pt electrodes. <i>Journal of Applied Physics</i> , 2005 , 98, 054101	2.5	17
47	Electron microscopy studies of potassium sodium niobate ceramics. 2005 , 11, 572-80		82
46	Atomic structure of (111) SrTiO ₃ /Pt interfaces. 2006 , 88, 131914		16
45	Dielectric properties of (100)-oriented Ba(Zr, Ti)O ₃ /La _{0.7} Ca _{0.3} MnO ₃ heterostructure thin films prepared by pulsed laser deposition. 2006 , 39, 3394-3399		30

44	Hydrothermal epitaxy of KNbO ₃ thin films and nanostructures. 2006 , 286, 457-464		55
43	The ferroelectric and optical properties of (Pb _{0.92} La _{0.08})(Zr _{0.65} Ti _{0.35})O ₃ thin films deposited by radio-frequency magnetron sputtering. 2006 , 17, 1041-1045		6
42	Dielectric properties and high tunability of (100)-oriented Ba(Zr _{0.2} Ti _{0.8})O ₃ thin films prepared by pulsed laser deposition. 2006 , 54, 197-200		27
41	Residual stress and structure characteristics in PZT ferroelectric thin films annealed at different ramp rates. 2006 , 60, 255-260		15
40	Phase transitions in textured SrTiO ₃ thin films on epitaxial Pt electrodes. <i>Journal of Applied Physics</i> , 2006 , 99, 033521	2.5	16
39	Electrical and optical properties of lanthanum-modified lead zirconate titanate thin films by radio-frequency magnetron sputtering. <i>Journal of Applied Physics</i> , 2006 , 100, 106102	2.5	4
38	Effect of microwave annealing temperatures on lead zirconate titanate thin films. 2007 , 18, 395704		32
37	Low-temperature crystallization of sol-gel-derived lead zirconate titanate thin films using 2.45 GHz microwaves. 2007 , 515, 2891-2896		32
36	Growth of potassium sodium niobate single crystals by solid state crystal growth. 2007 , 303, 487-492		60
35	Chemical modifications of Pb(Zr _{0.3} Ti _{0.7})O ₃ precursor solutions and their influence on the morphological and electrical properties of the resulting thin films. 2007 , 42, 337-352		48
34	Investigation of the amorphous to crystalline phase transition of chemical solution deposited Pb(Zr _{0.3} Ti _{0.7})O ₃ thin films by soft X-ray absorption and soft X-ray emission spectroscopy. 2008 , 48, 239-252		20
33	High tunability Ba _{0.6} Sr _{0.4} TiO ₃ thin films fabricated on Pt/Si substrates with La _{0.5} Sr _{0.5} CoO ₃ buffer layer. 2008 , 19, 429-433		10
32	Structure and dielectric properties of highly (100)-oriented PST thin films deposited on MgO substrates. 2008 , 516, 5296-5299		9
31	Preparation of high (100) oriented PST thin films deposited on Pt/Tb inducing layer by rf-sputtering method. 2008 , 516, 5300-5303		9
30	Characteristics of W-Doped (Pb _{0.8} Sr _{0.2})TiO ₃ Thin Films. 2008 , 11, G1		5
29	Internal residual stress studies and enhanced dielectric properties in La _{0.7} Sr _{0.3} CoO ₃ buffered (Ba,Sr)TiO ₃ thin films. <i>Journal of Applied Physics</i> , 2009 , 106, 064107	2.5	9
28	Bottom and top electrodes nature and PZT film thickness influence on electrical properties. 2010 , 158, 99-105		19
27	A Study on the Piezoelectric Properties of PZT and Doped PZT Thin Films by Sol-Gel Method. 2010 , 663-665, 650-653		

26	RESIDUAL STRESS OF Pt FILMS WITH Ti AND TiO _x ADHESION LAYERS ON Si AND SAPPHIRE SUBSTRATES. 2010 , 111, 37-49		1
25	Optimization of Pt and PZT Films for Ferroelectric-Gate Thin Film Transistors. 2010 , 405, 281-291		12
24	Influence of poling on RF and pulsed DC sputtered PZT thin films. 2011 ,		
23	Photochemical-induced self-seeding effect on lead zirconate titanate thin film. 2011 , 21, 12991		2
22	The effect of Tb doped PbTiO ₃ inducing layer on texture and tunable property of sol-gel derived Pb _{0.4} Sr _{0.6} TiO ₃ thin films grown on ITO/glass substrate. 2011 , 314, 104-107		6
21	Ferroelectric, Dielectric and Pyroelectric Properties of Highly C-Axis -Oriented Nanostructured (Pb,Sr)(Zr,Ti)O ₃ Thin Films. <i>Advanced Materials Research</i> , 2011 , 287-290, 2381-2386	0.5	
20	A Study on the Crystalline Orientation and Electromechanical Properties of PZT and Doped PZT Thin Films by Using the Sol-Gel Method. 2011 , 130, 12-20		2
19	Orientation control of textured SrTiO ₃ thin films on platinumized Al ₂ O ₃ (0 0 0 1) by an ion beam sputter deposition method. 2012 , 45, 494003		5
18	The Effects of Buffers on the Microstructure and Electrical Properties of Mn/Y Co-Doped Ba _{0.67} Sr _{0.33} TiO ₃ Thin Films. 2012 , 140, 132-139		4
17	Effect of dispersion degree of orientation on dielectric properties of (100)-oriented PST thin film. 2013 , 74, 1726-1732		1
16	Effect of PbTiO ₃ seed layer on the orientation behavior and electrical properties of Bi(Mg _{1/2} Ti _{1/2})O ₃ /PbTiO ₃ ferroelectric thin films. <i>Ceramics International</i> , 2013 , 39, 3865-3871	5.1	5
15	Dielectric and Tunable Properties of Lead Barium Strontium Titanate Thin Films Fabricated by Radio Frequency Magnetron Sputtering Method. <i>Advanced Materials Research</i> , 2013 , 652-654, 1728-1732	0.5	
14	Phase and texture evolution in solution deposited lead zirconate titanate thin films: Formation and role of the Pt ₃ Pb intermetallic phase. <i>Journal of Applied Physics</i> , 2013 , 113, 244101	2.5	19
13	High Piezoelectric Longitudinal Coefficients in Sol-gel PZT Thin Film Multilayers. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2069-2075	3.8	8
12	Effect of crystallinity on thermal transport in textured lead zirconate titanate thin films. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6748-56	9.5	8
11	Combined Experimental and Computational Methods Reveal the Evolution of Buried Interfaces during Synthesis of Ferroelectric Thin Films. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500181	4.6	11
10	Effect of heating rates on the crystallization process of (111)-oriented lead zirconate titanate thin films prepared by the sol-gel method. <i>Ceramics International</i> , 2015 , 41, 15208-15216	5.1	12
9	Orientation-dependent energy-storage performance and electrocaloric effect in PLZST antiferroelectric thick films. <i>Materials Research Bulletin</i> , 2016 , 84, 177-184	5.1	20

8	Improvement of ferroelectric random access memory manufacturing margin by employing Pt/AlOx bottom electrode for the La-doped Pb(Zr,Ti)O ₃ ferroelectric capacitor. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 11UF01	1.4	4
7	Thin-Film Oxide Transistor by Liquid Process (1): FGT (Ferroelectric Gate Thin-Film Transistor). 2019 , 417-439		
6	High energy storage efficiency and thermal stability of A-site-deficient and 110-textured BaTiO ₃ BiScO ₃ thin films. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 3168-3177	3.8	6
5	Thermodynamics and Heating Processes. 2013 , 343-382		5
4	Microstructure of Lead Titanate-Based Thin Films. 1995 , 167-175		1
3	Orientation Control and Properties of PZT Film Crystallized using Laser Annealing System. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2016 , 136, 493-498	0.2	1
2	Low-Temperature Processing. 2013 , 431-444		
1	Orientation and Microstructure Design. 2013 , 407-429		