

Emmanuel Defay

List of Publications by Year in descending order

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167
papers

3,408
citations

159525

30
h-index

175177

52
g-index

184
all docs

184
docs citations

184
times ranked

3602
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrocaloric Coolers: A Review. <i>Advanced Electronic Materials</i> , 2022, 8, .	2.6	39
2	Influence of substrate stress on in-plane and out-of-plane ferroelectric properties of PZT films. <i>Journal of Applied Physics</i> , 2022, 131, 014101.	1.1	5
3	Inkjet-Printed Piezoelectric Thin Films for Transparent Haptics. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	5
4	High Electrocaloric Effect in Lead Scandium Tantalate Thin Films with Interdigitated Electrodes. <i>Sensors</i> , 2022, 22, 4049.	2.1	3
5	PbO phase separation in $\text{PbZr}_{0.52}\text{Ti}_{0.48}\text{O}_3$ based capacitors made using sol-gel films with high Pb precursor excess. <i>Applied Physics Letters</i> , 2022, 120, 242904.	1.5	0
6	Materials efficiency of electrocaloric lead scandium tantalate multilayer capacitors. <i>Scripta Materialia</i> , 2022, 219, 114873.	2.6	4
7	Growth of {100}-oriented lead zirconate titanate thin films mediated by a safe solvent. <i>Journal of Materials Chemistry C</i> , 2021, 9, 281-287.	2.7	7
8	Highly conductive low-temperature combustion-derived transparent indium tin oxide thin film. <i>Materials Advances</i> , 2021, 2, 700-705.	2.6	9
9	Critical field anisotropy in the antiferroelectric switching of PbZrO_3 films. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	10
10	Origin of large negative electrocaloric effect in antiferroelectric PbZrO_3 . <i>Physical Review B</i> , 2021, 103, .	1.1	34
11	Enhancement of ferroelectricity and orientation in solution-derived hafnia thin films through heterogeneous grain nucleation. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	11
12	Giant electrocaloric materials energy efficiency in highly ordered lead scandium tantalate. <i>Nature Communications</i> , 2021, 12, 3298.	5.8	45
13	Heat exchange law in caloric regenerators. <i>International Journal of Refrigeration</i> , 2021, 127, 174-179.	1.8	9
14	Direct Visualization of Anti-Ferroelectric Switching Dynamics via Electrocaloric Imaging. <i>Advanced Electronic Materials</i> , 2021, 7, 2100380.	2.6	6
15	Measuring lead scandium tantalate phase transition entropy by infrared camera. <i>Journal of the European Ceramic Society</i> , 2021, 41, 7000-7004.	2.8	9
16	Influence of tensile vs. compressive stress on fatigue of lead zirconate titanate thin films. <i>Journal of the European Ceramic Society</i> , 2021, 41, 6991-6999.	2.8	10
17	Toward low-temperature processing of lead zirconate titanate thin films: Advances, strategies, and applications. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	23
18	Piezoelectricity in hafnia. <i>Nature Communications</i> , 2021, 12, 7301.	5.8	37

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19	Toward Thick Piezoelectric HfO ₂ -Based Films. Physica Status Solidi - Rapid Research Letters, 2020, 14, 1900626.	1.2	41
20	Probing Antiferroelectric-Ferroelectric Phase Transitions in PbZrO ₃ Capacitors by Piezoresponse Force Microscopy. Advanced Functional Materials, 2020, 30, 2003622.	7.8	23
21	$\frac{0.52}{0.48} \frac{\text{Ti}}{\text{O}}$	0.8	3
22	Influence of Field-Induced Phase Transition on Poly(Vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (Fluoride-Trifluoroethylene- _{1.5} ₅	1.5	5
23	1-mW Vibration Energy Harvester Based on a Cantilever with Printed Polymer Multilayers. Cell Reports Physical Science, 2020, 1, 100068.	2.8	13
24	Fully Transparent Friction-Modulation Haptic Device Based on Piezoelectric Thin Film. Advanced Functional Materials, 2020, 30, 2003539.	7.8	25
25	On the importance of pyrolysis for inkjet-printed oxide piezoelectric thin films. Journal of Materials Chemistry C, 2020, 8, 3740-3747.	2.7	7
26	Heat flow in electrocaloric multilayer capacitors. Journal of Alloys and Compounds, 2020, 834, 155042.	2.8	13
27	Giant temperature span in electrocaloric regenerator. Science, 2020, 370, 125-129.	6.0	125
28	Direct Patterning of Piezoelectric Thin Films by Inkjet Printing. Advanced Materials Technologies, 2019, 4, 1800168.	3.0	23
29	Inkjet-printed silver as alternative top electrode for lead zirconate titanate thin films. Journal of Alloys and Compounds, 2019, 783, 801-805.	2.8	7
30	Electrocaloric effects in multilayer capacitors for cooling applications. MRS Bulletin, 2018, 43, 291-294.	1.7	31
31	Quasi-adiabatic calorimeter for direct electrocaloric measurements. Review of Scientific Instruments, 2018, 89, 034903.	0.6	17
32	Correlation of electrical characteristics with interface chemistry and structure in Pt/Ru/PbZr _{0.52} Ti _{0.48} O ₃ /Pt capacitors after post metallization annealing. Applied Physics Letters, 2018, 113, 132901.	1.5	6
33	Actuation efficiency of polyvinylidene fluoride-based co- and ter-polymers. Polymer, 2018, 156, 270-275.	1.8	14
34	Ferroelastic relaxation at 20 GHz evidenced by large frequency range picosecond acoustics. Applied Physics Letters, 2018, 112, 262905.	1.5	0
35	Enhanced electrocaloric efficiency via energy recovery. Nature Communications, 2018, 9, 1827.	5.8	87
36	Transparent piezoelectric transducers for large area ultrasonic actuators. , 2017, , .		4

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37	Large heat flux in electrocaloric multilayer capacitors. Journal Physics D: Applied Physics, 2017, 50, 464002.	1.3	9
38	Huge gain in pyroelectric energy conversion through epitaxy for integrated self-powered nanodevices. Nano Energy, 2017, 41, 43-48.	8.2	11
39	Electrocaloric effects in the lead-free Ba(Zr,Ti)O ₃ relaxor ferroelectric from atomistic simulations. Physical Review B, 2017, 96, .	1.1	24
40	Electrical response of Pt/Ru/PbZr _{0.52} Ti _{0.48} O ₃ /Pt capacitor as function of lead precursor excess. Applied Physics Letters, 2017, 111, 222902.	1.5	5
41	Transparent piezoelectric transducers for large area ultrasonic actuators. , 2017, , .		2
42	Transparent Ferroelectric Capacitors on Glass. Micromachines, 2017, 8, 313.	1.4	11
43	Inverse barocaloric effects in ferroelectric BaTiO ₃ ceramics. APL Materials, 2016, 4, .	2.2	64
44	Insight into electrocaloric cooling power in multilayer capacitors using infra-red camera. Applied Physics Letters, 2016, 109, .	1.5	12
45	Electrocaloric cooler combining ceramic multi-layer capacitors and fluid. APL Materials, 2016, 4, .	2.2	33
46	Spatially Resolved Imaging of Electrocaloric Effect and the Resultant Heat Flux in Multilayer Capacitors. ACS Energy Letters, 2016, 1, 521-528.	8.8	38
47	A low voltage silicon micro-pump based on piezoelectric thin films. Sensors and Actuators A: Physical, 2016, 250, 35-39.	2.0	69
48	Effect of structural in-depth heterogeneities on electrical properties of Pb(Zr _{0.52} Ti _{0.48})O ₃ thin films as revealed by nano-beam X-ray diffraction. Journal of Applied Physics, 2016, 120, .	1.1	7
49	Pyroelectricity of Pb(Zr _{0.52} Ti _{0.48})O ₃ films grown by sol-gel process on silicon. Thin Solid Films, 2016, 601, 80-83.	0.8	4
50	Chemistry of surface nanostructures in lead precursor-rich PbZr _{0.52} Ti _{0.48} O ₃ sol-gel films. Applied Surface Science, 2016, 363, 21-28.	3.1	16
51	Too cool to work. Nature Physics, 2015, 11, 202-205.	6.5	221
52	Printed Barium Strontium Titanate capacitors on silicon. Thin Solid Films, 2015, 589, 111-114.	0.8	6
53	Tailoring the room temperature ferroelectric/paraelectric state in polycrystalline (Ba _{0.70} Sr _{0.30})TiO ₃ thin films for silicon compatible integration. Ceramics International, 2015, 41, 14412-14418.	2.3	3
54	Piezoelectric Micro-pump with PZT Thin Film for Low Consumption Microfluidic Devices. Procedia Engineering, 2014, 87, 488-491.	1.2	17

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55	Integration of PZT thin films on a microfluidic complex system. , 2014, , .		10
56	Through Silicon Capacitor co-integrated with TSV as an efficient 3D decoupling capacitor solution for power management on silicon interposer. , 2014, , .		9
57	Phase transitions in [001]-oriented morphotropic PbZr _{0.52} Ti _{0.48} O ₃ thin film deposited onto SrTiO ₃ -buffered Si substrate. Journal of Applied Physics, 2014, 115, .	1.1	12
58	Tunable and high quality factor SrTiO ₃ surface acoustic wave resonator. Applied Physics Letters, 2014, 105, .	1.5	12
59	Improvement of Capacitive Behavior on Gradient-Free PZT Thin Films. Integrated Ferroelectrics, 2014, 157, 132-138.	0.3	4
60	Correlation between electric-field-induced phase transition and piezoelectricity in lead zirconate titanate films. Physical Review B, 2014, 90, .	1.1	32
61	Temperature dependence of the transverse piezoelectric coefficient of thin films and aging effects. Journal of Applied Physics, 2014, 115, 034105.	1.1	10
62	Characterization and post simulation of thin-film PZT actuated plates for haptic applications. , 2014, , .		4
63	Acoustic filters based on thin single crystal LiNbO ₃ films: Status and prospects. , 2014, , .		7
64	Through Silicon Capacitor co-integrated with TSVs on silicon interposer. Microelectronic Engineering, 2014, 120, 121-126.	1.1	15
65	Direct electrocaloric measurements of a multilayer capacitor using scanning thermal microscopy and infra-red imaging. Applied Physics Letters, 2013, 102, .	1.5	73
66	The Electrocaloric Efficiency of Ceramic and Polymer Films. Advanced Materials, 2013, 25, 3337-3342.	11.1	123
67	Ultra-high Q _f product laterally-coupled AlN/silicon and AlN/sapphire High Overtone Bulk Acoustic wave Resonators. , 2013, , .		7
68	Preferential growth and enhanced dielectric properties of Ba _{0.7} Sr _{0.3} TiO ₃ thin films with preannealed Pt bottom electrode. Journal Physics D: Applied Physics, 2013, 46, 105301.	1.3	5
69	Giant and reversible extrinsic magnetocaloric effects in La _{0.7} Ca _{0.3} MnO ₃ films due to strain. Nature Materials, 2013, 12, 52-58.	13.3	226
70	A New Material for High-Temperature Lead-Free Actuators. Advanced Functional Materials, 2013, 23, 5881-5886.	7.8	30
71	SAW resonators using electrostrictive effect. , 2013, , .		1
72	Ultrafast optical technique for measuring the electrical dependence of the elasticity of piezoelectric thin film: Demonstration on AlN. Review of Scientific Instruments, 2013, 84, 015007.	0.6	1

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73	Low voltage actuated plate for haptic applications with PZT thin-film. , 2013, , .		16
74	Self-powered resonant frequency tuning for Piezoelectric Vibration Energy Harvesters. Journal of Physics: Conference Series, 2013, 476, 012069.	0.3	19
75	Autonomous wideband mechanical energy harvester. , 2012, , .		6
76	PZT piezoelectric coefficient extraction by PZT-actuated micro-beam characterization and modeling. , 2012, , .		4
77	Wideband mechanical energy harvester based on piezoelectric longitudinal mode. , 2012, , .		1
78	Improved electrical properties after post annealing of Ba _{0.7} Sr _{0.3} TiO ₃ thin films for MIM capacitor applications. Applied Physics A: Materials Science and Processing, 2012, 109, 731-736.	1.1	7
79	Improved Wideband Mechanical Energy Harvester based on Longitudinal Piezoelectric Mode. Procedia Engineering, 2012, 47, 1255-1258.	1.2	1
80	Optimized gradient-free PZT thin films for micro-actuators. , 2012, , .		7
81	Extremely High Tunability and Low Loss in Nanoscaffold Ferroelectric Films. Nano Letters, 2012, 12, 4311-4317.	4.5	69
82	Impedance spectroscopic and dielectric analysis of Ba _{0.7} Sr _{0.3} TiO ₃ thin films. Journal of Alloys and Compounds, 2012, 529, 84-88.	2.8	34
83	Pizeoelectric epitaxial sol-gel Pb(Zr ^{<inf>0.52</inf>} Ti ^{<inf>0.48</inf>})O ^{<inf>3</inf>} film on Si(001). , 2012, , .		0
84	Highly efficient piezoelectric micro harvester for low level of acceleration fabricated with a CMOS compatible process. Sensors and Actuators A: Physical, 2012, 188, 489-494.	2.0	57
85	Optimization of Electrodes Design for PZT Thin-Film Actuated Membranes. Procedia Engineering, 2012, 47, 108-111.	1.2	1
86	Single crystal PZT thin film membrane with highly conductive electrodes. , 2012, , .		0
87	Tunable composite piezoelectric resonators: A possible “Holy Grail” of RF filters?. , 2012, , .		5
88	Young modulus and Poisson ratio of PZT thin film by Picosecond Ultrasonics. , 2012, , .		7
89	Epitaxial growth and electrical measurement of single crystalline Pb(Zr _{0.52} Ti _{0.48})O ₃ thin film on Si(001) for micro-electromechanical systems. Thin Solid Films, 2012, 520, 4572-4575.	0.8	32
90	DMMP vapor detection with 50NM thick AlN films based microcantilevers. , 2011, , .		1

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91	Influence of the crystallographic orientation of Pb(Zr,Ti)O ₃ films on the transverse piezoelectric coefficient d ₃₁ . , 2011, , .		3
92	Thin film quartz layer reported on silicon. , 2011, , .		2
93	Lateral Field Excitation of membrane-based Aluminum Nitride resonators. , 2011, , .		5
94	Cantilever-based electret energy harvesters. Smart Materials and Structures, 2011, 20, 105013.	1.8	140
95	Tunability of Alluminum Nitride Acoustic Resonators: A Phenomenological Approach. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 2516-2520.	1.7	26
96	Bias controlled electrostrictive longitudinal resonance in X-cut lithium niobate thin films resonator. Applied Physics Letters, 2011, 98, .	1.5	9
97	Piezoelectric membrane actuator design. , 2011, , .		5
98	High quality factor lithium niobate electrostrictive HBAR resonators. , 2011, , .		1
99	Integrated metallic gauge in a piezoelectric cantilever. Sensors and Actuators A: Physical, 2011, 172, 148-153.	2.0	5
100	Wideband frequency and in situ characterization of aluminum nitride (AlN) in a metal/insulator/metal (MIM) configuration. Microelectronic Engineering, 2011, 88, 564-568.	1.1	1
101	Highly efficient piezoelectric micro harvester for low level of acceleration fabricated with a CMOS compatible process. , 2011, , .		5
102	Electrostriction for thin films: an alternative to piezoelectricity?. , 2011, , .		0
103	Macro energy harvester based on Aluminium Nitride thin films. , 2011, , .		5
104	LiNbO ₃ thin single crystal layer for RF applications. , 2011, , .		1
105	Evaluation of process parameters and nanoparticle seeding of sol-gel derived lead-magnesium-niobium titanate thin films. Advances in Applied Ceramics, 2011, 110, 490-495.	0.6	0
106	50 nm thick AlN film-based piezoelectric cantilevers for gravimetric detection. Journal of Micromechanics and Microengineering, 2011, 21, 085023.	1.5	58
107	Enhancement of crystallographic and electrical properties in 0.9Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.1PbTiO ₃ thin films grown on Pb(Zr,Ti)O ₃ -buffered platinized silicon substrates by sol-gel process. IOP Conference Series: Materials Science and Engineering, 2010, 8, 012002.	0.3	1
108	Sol-gel-derived lead-magnesium-niobium titanate thin films for ultrahigh-value capacitor applications. IOP Conference Series: Materials Science and Engineering, 2010, 8, 012007.	0.3	5

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109	Integrated piezoresistive gauge in a piezoelectric cantilever. <i>Procedia Engineering</i> , 2010, 5, 1027-1030.	1.2	0
110	Low-temperature fabrication of Ba _{1-x} Sr _x TiO ₃ thin films with good dielectric properties on platinized silicon substrates. <i>Journal of the European Ceramic Society</i> , 2010, 30, 471-474.	2.8	11
111	UV-thermal processing of sol-gel-derived lead-magnesium-niobium titanate thin films. <i>Thin Solid Films</i> , 2010, 518, 4503-4507.	0.8	3
112	Parametric study of aluminum nitride Lamb wave resonators. , 2010, , .		0
113	LiNbO ₃ Single Crystal Layer Transfer Techniques for High Performances RF Filters. <i>ECS Transactions</i> , 2010, 33, 225-232.	0.3	2
114	High permittivity Bi ₂₄ Fe ₂₀ O ₃₉ thin films prepared by a low temperature process. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	10
115	Acoustic technologies for advanced RF architectures. , 2010, , .		7
116	Dynamic analytical modelling and piezoelectric characterization of a Pb(Zr, Ti)O ₃ /SiN cantilever with losses. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 115019.	1.5	4
117	LiNbO ₃ Film Bulk Acoustic Resonator. , 2010, , .		7
118	50 nm thick AlN resonant micro-cantilever for gas sensing application. , 2010, , .		3
119	A fully packaged piezoelectric switch with lowvoltage actuation and electrostatic hold. , 2010, , .		9
120	Engineered substrates for future More Moore and More than Moore integrated devices. , 2010, , .		18
121	Electrostrictive thin films for RF acoustic resonators. , 2010, , .		3
122	Low temperature perovskite crystallization of highly tunable dielectric Ba _{0.7} Sr _{0.3} TiO ₃ thick films deposited by ion beam sputtering on platinized silicon substrates. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	19
123	High performance metal-insulator-metal capacitor using a SrTiO ₃ /ZrO ₂ bilayer. <i>Applied Physics Letters</i> , 2009, 94, 253502.	1.5	99
124	Ferroelectric properties of Pb(Zr,Ti)O ₃ thin films until 40 GHz. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	23
125	Ultralow dielectric losses in pyrochlore films of the PbO-MgO-Nb ₂ O ₅ -TiO ₂ system. <i>Applied Physics Letters</i> , 2009, 94, 122906.	1.5	9
126	Piezoelectric PZT Thin Films in the 100nm Range: A Solution for Actuators Embedded in Low Voltage Devices. , 2009, , .		5

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127	Sign of the nonlinear dielectric susceptibility of amorphous and crystalline SrTiO ₃ films. Physical Review B, 2009, 79, .	1.1	7
128	Piezoelectric nanoelectromechanical resonators based on aluminum nitride thin films. Applied Physics Letters, 2009, 95, .	1.5	148
129	Large electromechanical coupling factor film bulk acoustic resonator with X-cut LiNbO ₃ layer transfer. Applied Physics Letters, 2009, 95, .	1.5	34
130	Piezoelectric coefficients measured by picosecond ultrasonics. , 2009, , .		5
131	Thermal strain-induced dielectric anisotropy in Ba _{0.7} Sr _{0.3} TiO ₃ thin films grown on silicon-based substrates. Journal of Applied Physics, 2009, 106, 024109.	1.1	5
132	Determination of the temperature coefficient piezoelectric constant T_{ce} to improve thermal 1D acoustic tool for BAW resonator design. , 2009, , .		1
133	Mode conversion in high overtone bulk acoustic wave resonators. , 2009, , .		5
134	Switchable and tunable strontium titanate electrostrictive bulk acoustic wave resonator integrated with a Bragg mirror. Applied Physics Letters, 2008, 92, .	1.5	53
135	Large Qxf product for HBAR using Smart Cut ™ transfer of LiNbO ₃ thin layers onto LiNbO ₃ substrate. , 2008, , .		12
136	In situ microwave characterisation of medium-k HfO ₂ and high-k SrTiO ₃ dielectrics for metal-insulator-metal capacitors integrated in back-end of line of integrated circuits. IET Microwaves, Antennas and Propagation, 2008, 2, 781-788.	0.7	8
137	Integration of electrostrictive Ba _{0.7} Sr _{0.3} TiO ₃ thin films into Bulk Acoustic Wave resonator for RF-frequency tuning under DC bias. , 2008, , .		3
138	High piezoelectric properties in LiNbO ₃ transferred layer by the Smart Cut ™ technology for ultra wide band BAW filter applications. , 2008, , .		12
139	EFFECT OF ANNEALING ON THE ELECTRICAL PROPERTIES OF SrTiO ₃ THIN FILMS PRODUCED BY ION BEAM SPUTTERING. Integrated Ferroelectrics, 2008, 100, 228-237.	0.3	2
140	Linear variation of aluminum nitride capacitance versus voltage induced by a piezoelectric-electrostrictive coupling. Journal of Applied Physics, 2008, 104, 034110.	1.1	14
141	Modeling of the evolution of dielectric loss with processing temperature in ferroelectric and dielectric thin oxide films. Journal of Applied Physics, 2008, 104, 074118.	1.1	13
142	In-situ Microwave Characterization of Medium-k HfO ₂ and High-k STO Dielectrics for MIM Capacitors Integrated in Back-End of Line of IC. , 2007, , .		1
143	Microswitch with Mixed Piezoelectric and Electrostatic Actuation. , 2007, , .		3
144	Strains in BaTiO ₃ thin film deposited onto Pt-coated Si substrate. Applied Physics Letters, 2007, 90, 022908.	1.5	47

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145	Intermediate frequency lamb wave coupled resonator filters for RF receiver architectures. , 2007, , .		6
146	Improved electrical properties using SrTiO ₃ /Y ₂ O ₃ bilayer dielectrics for MIM capacitor applications. Microelectronics Reliability, 2007, 47, 773-776.	0.9	23
147	SrTiO ₃ /BaTiO ₃ multilayers thin films for integrated tunable capacitors applications. Journal of the European Ceramic Society, 2007, 27, 3851-3854.	2.8	20
148	High pass filter with above IC integrated SrTiO ₃ high K MIM capacitors. Solid-State Electronics, 2007, 51, 1624-1628.	0.8	9
149	Modified free vibrating beam method for characterization of effective ϵ_{31} coefficient and leakage resistance of piezoelectric thin films. Review of Scientific Instruments, 2006, 77, 103903.	0.6	14
150	Above IC integrated SrTiO ₃ high K MIM capacitors. Solid-State Device Research Conference, 2008 ESSDERC 2008 38th European, 2006, , .	0.0	5
151	High Frequencies Characterization of High-K Insulators and their Impact on Architectures of MIM Capacitors in Advanced Integrated Circuits. , 2006, , .		1
152	Wide Band Frequency Characterization of High Permittivity Dielectrics (High-K) for RF MIM Capacitors Integrated in BEOL. , 2006, , .		1
153	EFFECT OF STO SEEDING ON PZT FILMS CRYSTALLIZATION. Integrated Ferroelectrics, 2006, 80, 115-124.	0.3	4
154	6H-5 Design, Elaboration and Characterization of Coupled Resonator Filters for WCDMA Applications. , 2006, , .		6
155	Resonant micro-mirror excited by a thin-film piezoelectric actuator for fast optical beam scanning. Sensors and Actuators A: Physical, 2005, 123-124, 483-489.	2.0	100
156	Development and characterization of membranes actuated by a PZT thin film for MEMS applications. Sensors and Actuators A: Physical, 2004, 115, 483-489.	2.0	35
157	Optimisation of Surface Capacitance and Leakage Currents on Ion Beam Sputtered SrTiO ₃ -Based MIM Capacitors for Above IC Technology. Integrated Ferroelectrics, 2004, 67, 93-101.	0.3	16
158	PMNT films for integrated capacitors. Solid-State Electronics, 2003, 47, 1631-1635.	0.8	27
159	Electrical Characterization of PMNT Thin Films. Integrated Ferroelectrics, 2003, 55, 853-862.	0.3	4
160	Deposition and Characterisation of SrTiO ₃ Thin Films Deposited by Ion Beam Sputtering on Platinized Silicon Substrates. Ferroelectrics, 2003, 288, 121-132.	0.3	13
161	PZT thin films integration for the realisation of a high sensitivity pressure microsensor based on a vibrating membrane. Sensors and Actuators A: Physical, 2002, 99, 64-67.	2.0	65
162	Simple and Low Cost Patterning Process for Sputtered Pb(Zr,Ti)O ₃ Thin Films and Electrodes for Membrane-Based Microsystems Applications. Materials Research Society Symposia Proceedings, 2000, 657, 5291.	0.1	2

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163	Compositional gradient in and mechanical stability of RF-sputtered and RTA annealed Pb(Zr,Ti)O ₃ thin films. Sensors and Actuators A: Physical, 1999, 74, 77-80.	2.0	7
164	Stress and Stress Relaxation Study of Sputtered PZT Thin Films for Microsystems Applications. Materials Research Society Symposia Proceedings, 1999, 594, 237.	0.1	2
165	Optimisation of RF magnetron sputtering and RTA-crystallisation of Pb(Zr _{0.52} Ti _{0.48})O ₃ thin films by means of the orthogonal array method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1998, 55, 123-129.	1.7	11
166	UHF/VHF resonators using lamb waves co-integrated with bulk acoustic wave resonators. , 0, , .		22
167	Dielectric properties in Thin Film SrTiO ₃ Capacitor. , 0, , .		0