

# Jon-Paul Maria

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136  
papers

6,110  
citations

36  
h-index

76  
g-index

142  
ext. papers

7,573  
ext. citations

5.8  
avg, IF

5.82  
L-index

#	Paper	IF	Citations
136	High-entropy ceramics: Propelling applications through disorder. <i>MRS Bulletin</i> , <b>2022</b> , 47, 194	3.2	2
135	Deterministic inverse design of Tamm plasmon thermal emitters with multi-resonant control. <i>Nature Materials</i> , <b>2021</b> , 20, 1663-1669	27	7
134	Mid-wave to near-IR optoelectronic properties and epsilon-near-zero behavior in indium-doped cadmium oxide. <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	8
133	Cold sintering of magnetic BaFe <sub>12</sub> O <sub>19</sub> and other ferrites at 300 °C. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 11229-11236	4.3	6
132	Thermal Conductivity of Aluminum Scandium Nitride for 5G Mobile Applications and Beyond. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 19031-19041	9.5	15
131	Investigation of phase evolution within ZnO:Bi <sub>2</sub> O <sub>3</sub> varistors utilizing thin film prototypes. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 12740-12752	4.3	2
130	Ferroelectricity in boron-substituted aluminum nitride thin films. <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	14
129	Impact of the Synthesis Kinetics of Entropy-stabilized Oxide Thin Films Probed with 4D-STEM and STEM-EELS. <i>Microscopy and Microanalysis</i> , <b>2021</b> , 27, 352-354	0.5	0
128	Long-lived modulation of plasmonic absorption by ballistic thermal injection. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 47-51	28.7	20
127	Filterless Nondispersive Infrared Sensing using Narrowband Infrared Emitting Metamaterials. <i>ACS Photonics</i> , <b>2021</b> , 8, 472-480	6.3	6
126	Ferroelectrics everywhere: Ferroelectricity in magnesium substituted zinc oxide thin films. <i>Journal of Applied Physics</i> , <b>2021</b> , 130, 044101	2.5	11
125	GaO-on-SiC Composite Wafer for Thermal Management of Ultrawide Bandgap Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 40817-40829	9.5	16
124	Strongly temperature dependent ferroelectric switching in AlN, Al <sub>1-x</sub> Sc <sub>x</sub> N, and Al <sub>1-x</sub> B <sub>x</sub> N thin films. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 062901	3.4	17
123	Thermal Conductivity of $\beta$ -Phase GaO and (AlGa)O Heteroepitaxial Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 38477-38490	9.5	8
122	Entropy Landscaping of High-Entropy Carbides. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102904	24	2
121	Settling the matter of the role of vibrations in the stability of high-entropy carbides. <i>Nature Communications</i> , <b>2021</b> , 12, 5747	17.4	3
120	Effects of strain, disorder, and Coulomb screening on free-carrier mobility in doped cadmium oxide. <i>Journal of Applied Physics</i> , <b>2021</b> , 130, 195105	2.5	1

119	Hydroflux-assisted densification: applying flux crystal growth techniques to cold sintering. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 12747-12760	4.3	8
118	Electron and phonon thermal conductivity in high entropy carbides with variable carbon content. <i>Acta Materialia</i> , <b>2020</b> , 196, 231-239	8.4	23
117	Ultraviolet to far-infrared dielectric function of n-doped cadmium oxide thin films. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	8
116	Property and cation valence engineering in entropy-stabilized oxide thin films. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	11
115	Single step densification of high permittivity BaTiO <sub>3</sub> ceramics at 300 °C. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 1280-1284	6	31
114	Cold sintering zinc oxide with a crystalline zinc acetate dihydrate mass transport phase. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 15117-15129	4.3	4
113	High-Resolution STEM/STEM-EELS Characterization of Entropy-stabilized Oxides Thin Films. <i>Microscopy and Microanalysis</i> , <b>2020</b> , 26, 1196-1197	0.5	2
112	Crystallization behavior of amorphous BaTiO <sub>3</sub> thin films. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 8793-8804	4.3	4
111	Mechanism studies of hydrothermal cold sintering of zinc oxide at near room temperature. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 4459-4469	3.8	36
110	Instrumentation for automated and quantitative low temperature compaction and sintering. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 055104	1.7	12
109	Multiple Epsilon-Near-Zero Resonances in Multilayered Cadmium Oxide: Designing Metamaterial-Like Optical Properties in Monolithic Materials. <i>ACS Photonics</i> , <b>2019</b> , 6, 1139-1145	6.3	19
108	Planar Hall effect and anisotropic magnetoresistance in semiconducting and conducting oxide thin films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	2
107	High-harmonic generation from an epsilon-near-zero material. <i>Nature Physics</i> , <b>2019</b> , 15, 1022-1026	16.2	69
106	Cold Sintering: Progress, Challenges, and Future Opportunities. <i>Annual Review of Materials Research</i> , <b>2019</b> , 49, 275-295	12.8	76
105	Charge confinement and thermal transport processes in modulation-doped epitaxial crystals lacking lattice interfaces. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	2
104	Magnetic frustration control through tunable stereochemically driven disorder in entropy-stabilized oxides. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	18
103	Cold sintering with dimethyl sulfoxide solutions for metal oxides. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 7438-7446	4.3	12
102	Polaritonic Hybrid-Epsilon-near-Zero Modes: Beating the Plasmonic Confinement vs Propagation-Length Trade-Off with Doped Cadmium Oxide Bilayers. <i>Nano Letters</i> , <b>2019</b> , 19, 948-957	11.5	42

101	Mechanical strength of cold-sintered zinc oxide under biaxial bending. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 4518-4522	4.3	11
100	High throughput investigation of shocked reactive nanolaminates <b>2018</b> ,		2
99	As good as gold and better: conducting metal oxide materials for mid-infrared plasmonic applications. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 8326-8342	7.1	31
98	Thermal Boundary Conductance Across Heteroepitaxial ZnO/GaN Interfaces: Assessment of the Phonon Gas Model. <i>Nano Letters</i> , <b>2018</b> , 18, 7469-7477	11.5	37
97	High-entropy high-hardness metal carbides discovered by entropy descriptors. <i>Nature Communications</i> , <b>2018</b> , 9, 4980	17.4	298
96	Connecting post-pulsing electrical and microstructural features in GeTe-based inline phase change switches. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 195103	2.5	3
95	Hot Electron Thermoreflectance Coefficient of Gold during Electron-Phonon Nonequilibrium. <i>ACS Photonics</i> , <b>2018</b> , 5, 4880-4887	6.3	13
94	Complexities of atomic structure at CdO/MgO and CdO/Al <sub>2</sub> O <sub>3</sub> interfaces. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 205302	2.5	1
93	Epitaxial entropy-stabilized oxides: growth of chemically diverse phases via kinetic bombardment. <i>MRS Communications</i> , <b>2018</b> , 8, 1371-1377	2.7	26
92	Charge-Induced Disorder Controls the Thermal Conductivity of Entropy-Stabilized Oxides. <i>Advanced Materials</i> , <b>2018</b> , 30, e1805004	24	151
91	Viscoelastic optical nonlocality of low-loss epsilon-near-zero nanofilms. <i>Scientific Reports</i> , <b>2018</b> , 8, 9335	4.9	20
90	Enhanced dielectric and piezoelectric responses in Zn <sub>1-x</sub> Mg <sub>x</sub> O thin films near the phase separation boundary. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 042903	3.4	6
89	The role of ceramic and glass science research in meeting societal challenges: Report from an NSF-sponsored workshop. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 1777-1803	3.8	17
88	Femtosecond optical polarization switching using a cadmium oxide-based perfect absorber. <i>Nature Photonics</i> , <b>2017</b> , 11, 390-395	33.9	152
87	Local structure of the Mg <sub>x</sub> Ni <sub>x</sub> CoxCuxZnxO(x=0.2) entropy-stabilized oxide: An EXAFS study. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 2732-2738	3.8	113
86	Hafnium nitride films for thermoreflectance transducers at high temperatures: Potential based on heating from laser absorption. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 151902	3.4	9
85	Nanoscale Compositional Analysis of a Thermally Processed Entropy-Stabilized Oxide via Correlative TEM and APT. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 1640-1641	0.5	4
84	Epsilon-near-Zero Modes and Surface Plasmon Resonance in Fluorine-Doped Cadmium Oxide Thin Films. <i>ACS Photonics</i> , <b>2017</b> , 4, 1885-1892	6.3	44

83	Cold sintering: Current status and prospects. <i>Journal of Materials Research</i> , <b>2017</b> , 32, 3205-3218	2.5	119
82	High mobility yttrium doped cadmium oxide thin films. <i>APL Materials</i> , <b>2017</b> , 5, 076105	5.7	32
81	Domain imaging in ferroelectric thin films via channeling-contrast backscattered electron microscopy. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 1071-1081	4.3	14
80	Near-Infrared Optical Extinction of Indium Tin Oxide Structures Prepared by Nanosphere Lithography. <i>ACS Photonics</i> , <b>2016</b> , 3, 1993-1999	6.3	13
79	Scaling Effects in Perovskite Ferroelectrics: Fundamental Limits and Process-Structure-Property Relations. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 2537-2557	3.8	108
78	The role of surface kinetics on composition and quality of AlGaIn. <i>Journal of Crystal Growth</i> , <b>2016</b> , 451, 65-71	1.6	80
77	Observing Misfit Dislocation Interactions Across Thin Film Oxide Heterostructures. <i>Microscopy and Microanalysis</i> , <b>2016</b> , 22, 1506-1507	0.5	
76	Selective area epitaxy of magnesium oxide thin films on gallium nitride surfaces. <i>Journal of Materials Research</i> , <b>2016</b> , 31, 36-45	2.5	1
75	Interplay between mass-impurity and vacancy phonon scattering effects on the thermal conductivity of doped cadmium oxide. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 021901	3.4	18
74	Microstructure and dielectric properties with CuO additions to liquid phase sintered BaTiO <sub>3</sub> thin films. <i>Journal of Materials Research</i> , <b>2016</b> , 31, 1018-1026	2.5	2
73	Crystalline coherence length effects on the thermal conductivity of MgO thin films. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 10408-10417	4.3	14
72	Entropy-stabilized oxides. <i>Nature Communications</i> , <b>2015</b> , 6, 8485	17.4	802
71	Probing the Reaction Dynamics of Thermite Nanolaminates. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 20401-20408	3.8	42
70	Chemical Homogeneity in Entropy-Stabilized Complex Metal Oxides. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 1349-1350	0.5	3
69	Domain Structure of Bulk and Thin-Film Ferroelectrics By Transmission Kikuchi Diffraction. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 777-778	0.5	2
68	Low-Temperature Control of Twins and Abnormal Grain Growth in BaTiO <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 2381-2387	3.8	4
67	Dysprosium-doped cadmium oxide as a gateway material for mid-infrared plasmonics. <i>Nature Materials</i> , <b>2015</b> , 14, 414-20	27	152
66	Smooth cubic commensurate oxides on gallium nitride. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 064101	2.5	8

65	Structural annealing of carbon coated aligned multi-walled carbon nanotube sheets. <i>Carbon</i> , <b>2014</b> , 79, 113-122	10.4	28
64	Highly Conductive and Conformal Poly(3,4-ethylenedioxythiophene) (PEDOT) Thin Films via Oxidative Molecular Layer Deposition. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 3471-3478	9.6	75
63	Investigation of Local A-site Chemistry in Barium Strontium Titanate Using Aberration Corrected STEM, EELS and EDS. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 1992-1993	0.5	
62	Flexoelectricity in barium strontium titanate thin film. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 142904	3.4	35
61	Polarity characterization by anomalous x-ray dispersion of ZnO films and GaN lateral polar structures. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 044912	2.5	6
60	Mechanisms for microstructure enhancement in flux-assisted growth of barium titanate on sapphire. <i>Journal of Materials Research</i> , <b>2014</b> , 29, 843-848	2.5	6
59	Ge doped GaN with controllable high carrier concentration for plasmonic applications. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 242107	3.4	38
58	Mid-infrared surface plasmon resonance in zinc oxide semiconductor thin films. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 051111	3.4	56
57	Surface wrinkling by chemical modification of poly(dimethylsiloxane)-based networks during sputtering. <i>Soft Matter</i> , <b>2013</b> , 9, 7797	3.6	30
56	Optimizing phase and microstructure of chemical solution-deposited bismuth ferrite (BiFeO <sub>3</sub> ) thin films to reduce DC leakage. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 1578-1584	4.3	19
55	Realizing strain enhanced dielectric properties in BaTiO <sub>3</sub> films by liquid phase assisted growth. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 012904	3.4	12
54	Structural and magnetic properties of biaxially textured NiFe <sub>2</sub> O <sub>4</sub> thin films grown on c-plane sapphire. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 123910	2.5	14
53	Challenges in Ceramic Science: A Report from the Workshop on Emerging Research Areas in Ceramic Science. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 3699-3712	3.8	51
52	Chemically Homogeneous Complex Oxide Thin Films Via Improved Substrate Metallization. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 2295-2302	15.6	50
51	Functional Coatings: Chemically Homogeneous Complex Oxide Thin Films Via Improved Substrate Metallization (Adv. Funct. Mater. 11/2012). <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 2214-2214	15.6	
50	Characterizing the molecular order of phosphonic acid self-assembled monolayers on indium tin oxide surfaces. <i>Langmuir</i> , <b>2011</b> , 27, 11883-8	4	34
49	Mechanical and electrical property improvement in CNT/Nylon composites through drawing and stretching. <i>Composites Science and Technology</i> , <b>2011</b> , 71, 1677-1683	8.6	106
48	Epitaxial growth of lanthanide oxides La <sub>2</sub> O <sub>3</sub> and Sc <sub>2</sub> O <sub>3</sub> on GaN. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 042903	3.4	17

47	Permittivity scaling in Ba <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> thin films and ceramics. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 034108.5	2.5	35
46	Reproducibility and Ferroelectric Fatigue of Lead Zirconate Titanate Thin Films Deposited Directly on Copper Via a Composite Gel Architecture. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 3983-3985	3.8	7
45	Processing Technologies for High-Permittivity Thin Films in Capacitor Applications. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 3935-3954	3.8	95
44	In situ methods to explore microstructure evolution in chemically derived oxide thin films. <i>Journal of Materials Research</i> , <b>2010</b> , 25, 427-436	2.5	7
43	Critical examination of growth rate for magnesium oxide (MgO) thin films deposited by molecular beam epitaxy with a molecular oxygen flux. <i>Journal of Materials Research</i> , <b>2010</b> , 25, 670-679	2.5	9
42	A novel approach to fabricate high volume fraction nanocomposites with long aligned carbon nanotubes. <i>Composites Science and Technology</i> , <b>2010</b> , 70, 1980-1985	8.6	162
41	Conductive oxide thin films: Model systems for understanding and controlling surface plasmon resonance. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 024903	2.5	78
40	Plasmonic phenomena in indium tin oxide and ITO-Au hybrid films. <i>Optics Letters</i> , <b>2009</b> , 34, 2867-9	3	89
39	Importance Of Solution Chemistry In Preparing Sol-Gel PZT Thin Films Directly On Copper Surfaces. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 303-307	9.6	22
38	Extrinsic scaling effects on the dielectric response of ferroelectric thin films. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 074112	2.5	36
37	High temperature stability of Hf-based gate dielectric stacks with rare-earth oxide layers for threshold voltage control. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 112912	3.4	9
36	Hot sputtering of barium strontium titanate on nickel foils. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 084123.5	2.5	27
35	Dielectric and microstructural properties of barium titanate hafnate thin films. <i>Thin Solid Films</i> , <b>2008</b> , 516, 3162-3166	2.2	9
34	Defect chemistry of nano-grained barium titanate films. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 38-42	4.3	8
33	Synthesis and properties of barium titanate stannate thin films by chemical solution deposition. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 4264-4270	4.3	8
32	Epitaxial growth of the metastable phase ytterbium monoxide on gallium nitride surfaces. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 51-56	1.6	9
31	Lead zirconate titanate thin film capacitors on electroless nickel coated copper foils for embedded passive applications. <i>Thin Solid Films</i> , <b>2007</b> , 515, 7331-7336	2.2	14
30	Smart electrodes for ultralarge-area thin film capacitors. <i>Journal of Materials Research</i> , <b>2007</b> , 22, 1763-1766	2.5	2

29	Epitaxial calcium oxide films deposited on gallium nitride surfaces. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2007</b> , 25, 1029		12
28	Influence of indium oxide surface structure on the ordering and coverage of carboxylic acid and thiol monolayers. <i>Journal Physics D: Applied Physics</i> , <b>2007</b> , 40, 4212-4221	3	33
27	Voltage Controlled GaN-on-Si HFET Power Oscillator Using Thin-Film Ferroelectric Varactor Tuning <b>2006</b> ,		6
26	Surface plasmon resonance in conducting metal oxides. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 054905	2.5	205
25	Towards the Fabrication of Ultra-Thin SOI on Si (001) using Epitaxial Oxide and Epitaxial Semiconductor Growth Processes. <i>ECS Transactions</i> , <b>2006</b> , 3, 449-460	1	1
24	Electrical Properties of Lead Zirconate Titanate Thin Films With a ZrO <sub>2</sub> Buffer Layer on an Electroless Ni-Coated Cu Foil. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 3426-3430	3.8	8
23	Investigation of the electrical and optical properties of iridium oxide by reflectance FTIR spectroscopy and density functional theory calculations. <i>Chemical Physics</i> , <b>2005</b> , 313, 25-31	2.3	31
22	Preparation of Sputtered (Ba <sub>x</sub> Sr <sub>1-x</sub> )TiO <sub>3</sub> Thin Films Directly on Copper. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 2652-2654	3.8	34
21	Characterization of the Piezoelectric Properties of Pb <sub>0.98</sub> Ba <sub>0.02</sub> (Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> /PbTiO <sub>3</sub> Epitaxial Thin Films. <i>International Journal of Applied Ceramic Technology</i> , <b>2005</b> , 2, 51-58	2	19
20	Copper Compatible Barium Titanate Thin Films for Embedded Passives. <i>Journal of Electroceramics</i> , <b>2005</b> , 14, 95-102	1.5	100
19	Effects of Processing Conditions on the Dielectric Properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> . <i>Journal of Electroceramics</i> , <b>2005</b> , 15, 203-208	1.5	28
18	Synthesis and Properties of Barium Titanate Thin Films on Copper Substrates. <i>Materials Research Society Symposia Proceedings</i> , <b>2005</b> , 902, 1		3
17	Ferroelectric response from lead zirconate titanate thin films prepared directly on low-resistivity copper substrates. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 172906	3.4	53
16	Ca-doped lead zirconate titanate thin film capacitors on base metal nickel on copper foil. <i>Journal of Materials Research</i> , <b>2004</b> , 19, 2841-2848	2.5	40
15	Lead Zirconate Titanate Thin Films on Base-Metal Foils: An Approach for Embedded High-Permittivity Passive Components. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 84, 2436-2438	3.8	77
14	Cu-Compatible Ultra-High Permittivity Dielectrics for Embedded Passive Components. <i>Materials Research Society Symposia Proceedings</i> , <b>2003</b> , 783, 321		4
13	Evaluation of intrinsic and extrinsic contributions to the piezoelectric properties of Pb(Zr <sub>1-x</sub> Tx)O <sub>3</sub> thin films as a function of composition. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 5568-5575	2.5	158
12	TEM and Electrical Analysis of Sputtered Barium Strontium Titanate (BST) Thin Films on Flexible Copper Substrates. <i>Materials Research Society Symposia Proceedings</i> , <b>2003</b> , 784, 531		4



11	Stability of ZrO <sub>2</sub> layers on Si (001) during high-temperature anneals under reduced oxygen partial pressures. <i>Journal of Applied Physics</i> , <b>2002</b> , 92, 82-86	2.5	41
10	Thick electrodes for high frequency high Q tunable ferroelectric thin film varactors. <i>Integrated Ferroelectrics</i> , <b>2001</b> , 39, 321-330	0.8	11
9	Compositional Effects on the Piezoelectric and Ferroelectric Properties of Chemical Solution Deposited PZT Thin Films. <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 688, 1		1
8	Alternative dielectrics to silicon dioxide for memory and logic devices. <i>Nature</i> , <b>2000</b> , 406, 1032-8	50.4	1053
7	Origin of preferential orthorhombic twinning in SrRuO <sub>3</sub> epitaxial thin films. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 3382-3384	3.4	45
6	Spatial variation of ferroelectric properties in Pb(Zr <sub>0.3</sub> , Ti <sub>0.7</sub> )O <sub>3</sub> thin films studied by atomic force microscopy. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 8031-8034	2.5	44
5	Measurement of Piezoelectric Displacements of Pb(Zr, Ti)O <sub>3</sub> Thin Films Using a Double-Beam Interferometer. <i>Japanese Journal of Applied Physics</i> , <b>1999</b> , 38, 5402-5405	1.4	21
4	Influences on imprint failure of SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> thin film capacitors. <i>Integrated Ferroelectrics</i> , <b>1999</b> , 25, 351-368		2
3	Preparation of Piezoelectric PZT Thin Films by MOCVD for MEMS Applications. <i>Materials Research Society Symposia Proceedings</i> , <b>1999</b> , 596, 541		0
2	Thermally Induced Imprint of PZT and SBT Thin Films. <i>Materials Research Society Symposia Proceedings</i> , <b>1998</b> , 541, 469		1
1	Wake-Up in Al <sub>1-x</sub> B <sub>x</sub> N Ferroelectric Films. <i>Advanced Electronic Materials</i> , 2100931	6.4	2