

Michael Lanagan

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.

169
papers

5,868
citations

41
h-index

72
g-index

173
ext. papers

6,749
ext. citations

4.2
avg. IF

5.86
L-index

#	Paper	IF	Citations
169	Explanation of the Compensation Law and the Isokinetic Point in the Electrical Conduction of Crosslinked Polyethylene. <i>International Journal of Polymer Science</i> , 2022 , 2022, 1-14	2.4	
168	Improved whole-brain SNR with an integrated high-permittivity material in a head array at 7T. <i>Magnetic Resonance in Medicine</i> , 2021 , 86, 1167-1174	4.4	3
167	The influence of Mn doping on the leakage current mechanisms and resistance degradation behavior in lead zirconate titanate films. <i>Acta Materialia</i> , 2021 , 208, 116680	8.4	10
166	Leakage current characteristics and DC resistance degradation mechanisms in Nb doped PZT films. <i>Journal of Applied Physics</i> , 2021 , 129, 174102	2.5	1
165	Thermally stimulated depolarization current measurements on degraded lead zirconate titanate films. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 5270-5280	3.8	5
164	Displacement current distribution on a high dielectric constant helmet and its effect on RF field at 10.5 T (447 MHz). <i>Magnetic Resonance in Medicine</i> , 2021 , 86, 3292-3303	4.4	2
163	Enhanced energy storage properties of thermostable sandwich-structured BaTiO ₃ /polyimide nanocomposites with better controlled interfaces. <i>Materials and Design</i> , 2021 , 197, 109270	8.1	12
162	Numerical Modeling and Measurement of Apis Mellifera Radar Scattering Properties. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	1
161	High frequency dielectric materials for medicine and telecommunications. <i>Japanese Journal of Applied Physics</i> , 2021 , 60, SF0801	1.4	1
160	Apparatus for controlled microwave exposure of aerosolized pathogens. <i>Review of Scientific Instruments</i> , 2021 , 92, 014707	1.7	3
159	Impacts of Crosslinking and Degassing on the Conductivity, Dielectric Loss, and Morphology of Low-Density Polyethylene and Crosslinked Polyethylene. <i>ACS Symposium Series</i> , 2021 , 239-260	0.4	1
158	Improved thermal conductivity and AC dielectric breakdown strength of silicone rubber/BN composites. <i>Composites Part C: Open Access</i> , 2020 , 2, 100023	1.6	3
157	Highly stretchable and mechanically tunable antennas based on three-dimensional liquid metal network. <i>Materials Letters</i> , 2020 , 270, 127727	3.3	7
156	Tunable Ultrahigh Dielectric Constant (tuHDC) Ceramic Technique to Largely Improve RF Coil Efficiency and MR Imaging Performance. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 3187-3197	11.7	3
155	Dielectric polarizability of alkali and alkaline-earth modified silicate glasses at microwave frequency. <i>Applied Physics Letters</i> , 2020 , 116, 222902	3.4	5
154	Thermally Stable Low-Loss Polymer Dielectrics Enabled by Attaching Cross-Linkable Antioxidant to Polypropylene. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14154-14164	9.5	25
153	High-Field Dielectric Properties of Oriented Poly(vinylidene fluoride-co-hexafluoropropylene): Structure Dielectric Property Relationship and Implications for Energy Storage Applications. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 1356-1368	4.3	26

152	High field dielectric properties of clay filled silicone rubber composites. <i>Materials Today Communications</i> , 2020 , 23, 100947	2.5	4
151	Weibull analysis of atmospheric pressure plasma generation and evidence for field emission in microwave split-ring resonators. <i>Plasma Sources Science and Technology</i> , 2020 , 29, 015019	3.5	2
150	Thermally stimulated depolarization current spectra of cross-linked polyethylene and the influence of cross-linking byproducts. <i>Journal of Polymer Science</i> , 2020 , 58, 3142-3152	2.4	2
149	Toward whole-cortex enhancement with an ultrahigh dielectric constant helmet at 3T. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 1123-1134	4.4	4
148	\$W\$ -Band Complex Permittivity Measurements at High Temperature Using Free-Space Methods. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019 , 9, 1011-1019	1.7	12
147	Conduction through plasma-treated polyimide: analysis of high-field conduction by hopping and Schottky theory. <i>Journal of Materials Science</i> , 2019 , 54, 10548-10559	4.3	2
146	The effect of imprint on remanent piezoelectric properties and ferroelectric aging of PbZr _{0.52} Ti _{0.48} O ₃ thin films. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 5328-5341	3.8	18
145	Anisotropy of W-band complex permittivity in AlO. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 225702.8	2.8	1
144	Atomistic-scale insights into the crosslinking of polyethylene induced by peroxides. <i>Polymer</i> , 2019 , 183, 121901	3.9	25
143	High electrical reliability glass-polymer laminates. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019 , 26, 885-889	2.3	
142	Plasma reconfigurable metamaterial using a 6.5 GHz dielectric resonator array. <i>Journal of Applied Physics</i> , 2019 , 126, 203301	2.5	4
141	Energy storage properties of polyimide/BaTiO ₃ nanocomposite films and their breakdown mechanism in a wide content range. <i>Applied Physics Letters</i> , 2019 , 115, 213901	3.4	15
140	Polarity dependent DC resistance degradation and electrical breakdown in Nb doped PZT films. <i>APL Materials</i> , 2019 , 7, 120901	5.7	10
139	Development and Experimental Testing of Microstrip Patch Antenna-Inspired RF Probes for 14 T MRI Scanners. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 443-453	4.1	4
138	Effect of oxygen treatment on structure and electrical properties of Mn-doped Ca 0.6 Sr 0.4 TiO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 2534-2540	6	20
137	Chemical structure and mechanical properties of soda lime silica glass surfaces treated by thermal poling in inert and reactive ambient gases. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 2951-2964	2.8	9
136	High electric field conduction in low-alkali boroaluminosilicate glass. <i>Journal of Applied Physics</i> , 2018 , 123, 054102	2.5	2
135	Contrasting energy efficiency in various ceramic sintering processes. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 1018-1029	6	32

134	Improvements of transmit efficiency and receive sensitivity with ultrahigh dielectric constant (uHDC) ceramics at 1.5 T and 3 T. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 2842-2851	4.4	15
133	Towards High Energy Density Glass Capacitors. <i>Ceramic Transactions</i> , 2018 , 291-297	0.1	
132	Abnormal high voltage resistivity of polyvinylidene fluoride and implications for applications in high energy density film capacitors. <i>Applied Physics Letters</i> , 2018 , 113, 193903	3.4	22
131	Plasma surface modification of P(VDF-TrFE): Influence of surface chemistry and structure on electronic charge injection. <i>Journal of Applied Physics</i> , 2018 , 124, 114102	2.5	5
130	Material influence on GHz split-ring resonator plasma ignition performance. <i>Journal of Applied Physics</i> , 2018 , 124, 153302	2.5	2
129	Homogeneous/Inhomogeneous-Structured Dielectrics and their Energy-Storage Performances. <i>Advanced Materials</i> , 2017 , 29, 1601727	24	615
128	Impedance spectroscopy modeling of lithium borate with silica: A dispersed ionic conductor system. <i>Ceramics International</i> , 2017 , 43, 6796-6806	5.1	2
127	Cold sintering process of Li _{1.5} Al _{0.5} Ge _{1.5} (PO ₄) ₃ solid electrolyte. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 2123-2135	3.8	62
126	Thermal annealing effects on the energy storage properties of BST ceramics. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 3550-3557	3.8	21
125	Enhanced mechanical stability of high temperature ultra-thin glass/polymer composite dielectrics. <i>Materials Letters</i> , 2017 , 208, 10-13	3.3	3
124	Effect of porosity and microstructure on the microwave dielectric properties of rutile. <i>Materials Letters</i> , 2017 , 200, 101-104	3.3	14
123	Defect structure-electrical property relationship in Mn-doped calcium strontium titanate dielectric ceramics. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 4638-4648	3.8	30
122	Microwave properties and structure of La _{0.5} Ti _{0.5} Si _{0.5} B _{0.5} O ₃ glass-ceramics for applications in GHz electronics. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 2137-2142	6	9
121	On the impact of self-clearing on electroactive polymer (EAP) actuators. <i>Smart Materials and Structures</i> , 2017 , 26, 105024	3.4	9
120	Large improvement of RF transmission efficiency and reception sensitivity for human in vivo P MRS imaging using ultrahigh dielectric constant materials at 7T. <i>Magnetic Resonance Imaging</i> , 2017 , 42, 158-163	3.3	9
119	Cold sintering process: A new era for ceramic packaging and microwave device development. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 669-677	3.8	96
118	Energy-storage properties of Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ -KNbO ₃ ceramics fabricated by wet-chemical method. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 99-106	6	97
117	Reliability of split ring resonators in a high power plasma environment. <i>Materials Research Bulletin</i> , 2017 , 96, 76-80	5.1	

116	Cold Sintering: A Paradigm Shift for Processing and Integration of Ceramics. <i>Angewandte Chemie</i> , 2016 , 128, 11629-11633	3.6	30
115	Cold Sintering Process of Composites: Bridging the Processing Temperature Gap of Ceramic and Polymer Materials. <i>Advanced Functional Materials</i> , 2016 , 26, 7115-7121	15.6	143
114	Enhancement of electrical properties of polyimide films by plasma treatment. <i>Chemical Physics Letters</i> , 2016 , 649, 111-114	2.5	14
113	Structure and electrical properties of lead-free Bi _{0.5} Na _{0.5} TiO ₃ -based ceramics for energy-storage applications. <i>RSC Advances</i> , 2016 , 6, 59280-59291	3.7	102
112	Temperature- and Frequency-Dependent Dielectric Properties of Sol-Gel-Derived BaTiO ₃ -NaNbO ₃ Solid Solutions. <i>Journal of Electronic Materials</i> , 2016 , 45, 631-638	1.9	3
111	Dielectric behavior and impedance spectroscopy in lead-free BNTBTBN perovskite ceramics for energy storage. <i>Ceramics International</i> , 2016 , 42, 9728-9736	5.1	109
110	Electrical properties and relaxation behavior of Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ ceramics modified with NaNbO ₃ . <i>Journal of the European Ceramic Society</i> , 2016 , 36, 2469-2477	6	68
109	Measurement of the surface resistivity and electrical conductivity of carbon nanotube sheets using the resonant post-method. <i>Materials Letters</i> , 2016 , 167, 297-299	3.3	2
108	The Role of Microstructure on Microwave Dielectric Properties of (Ba,Sr)TiO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 905-910	3.8	9
107	Ionic Conductivity in Sodium Alkaline Earth Aluminosilicate Glasses. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 1239-1247	3.8	16
106	Glass Dielectrics in Extreme High-Temperature Environment. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 4045-4049	3.8	3
105	Plasma generation by dielectric resonator arrays. <i>Plasma Sources Science and Technology</i> , 2016 , 25, 03LT02	3.5	18
104	A novel, all-dielectric, microwave plasma generator towards development of plasma metamaterials. <i>Applied Physics Express</i> , 2016 , 9, 116201	2.4	10
103	Cold Sintering: A Paradigm Shift for Processing and Integration of Ceramics. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11457-61	16.4	229
102	Chalcogenide-based lithium solid electrolytes processed by the Powder-in-a-tube method. <i>Materials Letters</i> , 2015 , 141, 70-72	3.3	2
101	Combined electronic and thermal breakdown Models for polyethylene and polymer laminates. <i>Materials Letters</i> , 2015 , 141, 14-19	3.3	6
100	Coupled ion redistribution and electronic breakdown in low-alkali boroaluminosilicate glass. <i>Journal of Applied Physics</i> , 2015 , 118, 084101	2.5	4
99	MnO ₂ Thin Film Electrodes for Enhanced Reliability of Thin Glass Capacitors. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 3270-3279	3.8	10

98	Improved Energy Storage Properties Accompanied by Enhanced Interface Polarization in Annealed Microwave-Sintered BST. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 3212-3222	3.8	71
97	High electric field conduction in low-alkali boroaluminosilicate glass. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 9288-9296	2.1	4
96	Modified design of the coil probe for high field MRI 2015 ,		1
95	Converse flexoelectric coefficient f_{1212} in bulk $Ba_{0.67}Sr_{0.33}TiO_3$. <i>Applied Physics Letters</i> , 2014 , 104, 232902	3.4	45
94	Dielectric-breakdown and conduction-mechanism in a thinned alkali-free glass. <i>Journal of the Korean Physical Society</i> , 2014 , 65, 955-959	0.6	2
93	A study of water sorption effects on the microwave dielectric properties of calcium chloride/silica gel composites. <i>Materials Letters</i> , 2013 , 95, 157-159	3.3	3
92	Flexible Glass for High Temperature Energy Storage Capacitors. <i>Energy Technology</i> , 2013 , 1, 313-318	3.5	44
91	Substantial Recoverable Energy Storage in Percolative Metallic Aluminum-Polypropylene Nanocomposites. <i>Advanced Functional Materials</i> , 2013 , 23, 3560-3569	15.6	70
90	Broadband dielectric characterization of TiO_2 ceramics sintered through microwave and conventional processes. <i>Ceramics International</i> , 2013 , 39, 299-306	5.1	58
89	Lithium Thiophosphate Glasses and Glass/Ceramics as Solid Electrolytes: Processing, Microstructure, and Properties. <i>International Journal of Applied Glass Science</i> , 2013 , 4, 414-425	1.8	34
88	. <i>IEEE Antennas and Propagation Magazine</i> , 2013 , 55, 49-61	1.7	160
87	Sustainable high capacitance at high frequencies: metallic aluminum-polypropylene nanocomposites. <i>ACS Nano</i> , 2013 , 7, 396-407	16.7	34
86	Permittivity and performance of dielectric pads with sintered ceramic beads in MRI: early experiments and simulations at 3 T. <i>Magnetic Resonance in Medicine</i> , 2013 , 70, 269-75	4.4	34
85	Activation energy for alkaline-earth ion transport in low alkali aluminoborosilicate glasses. <i>Applied Physics Letters</i> , 2013 , 102, 082904	3.4	13
84	Radiofrequency field enhancement with high dielectric constant (HDC) pads in a receive array coil at 3.0T. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 38, 435-40	5.6	34
83	Structural and Dielectric Properties in $(1-x)BaTiO_3-xBi(Mg_{1/2}Ti_{1/2})O_3$ Ceramics ($0.1 \leq x \leq 0.5$) and Potential for High-Voltage Multilayer Capacitors. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 2197-2202	3.8	70
82	Electrode-Limited Dielectric Breakdown of Alkali Free Glass. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 1915-1919	3.8	19
81	Enhanced energy storage and suppressed dielectric loss in oxide core-shell-polyolefin nanocomposites by moderating internal surface area and increasing shell thickness. <i>Advanced Materials</i> , 2012 , 24, 5946-53	24	114

80	2012,			1
79	State of water in starch-water systems in the gelatinization temperature range as investigated using dielectric relaxation spectroscopy. <i>Carbohydrate Polymers</i> , 2012, 87, 24-31	10.3		6
78	Thermal poling of alkaline earth boroaluminosilicate glasses with intrinsically high dielectric breakdown strength. <i>Journal of Applied Physics</i> , 2012, 111, 083519	2.5		20
77	Energy Storage: Enhanced Energy Storage and Suppressed Dielectric Loss in Oxide Core/Shell Polyolefin Nanocomposites by Moderating Internal Surface Area and Increasing Shell Thickness (Adv. Mater. 44/2012). <i>Advanced Materials</i> , 2012, 24, 5945-5945	24		
76	Nonlinear dielectric ceramics and their applications to capacitors and tunable dielectrics. <i>IEEE Electrical Insulation Magazine</i> , 2011, 27, 43-55	2.1		82
75	High energy density capacitor using coal tar pitch derived nanoporous carbon/MnO ₂ electrodes in aqueous electrolytes. <i>Journal of Power Sources</i> , 2011, 196, 2380-2386	8.9		43
74	Metamaterials-inspired miniaturization of UHF patch antennas with circular polarization. <i>Microwave and Optical Technology Letters</i> , 2011, 53, 1938-1943	1.2		1
73	High throughput synthesis and characterization of the PbnNb ₂ O _{5+n} (0.5). <i>Acta Materialia</i> , 2011, 59, 220182209 8			
72	Impedance analysis of amorphous and polycrystalline tantalum oxide sputtered films. <i>Journal of Materials Research</i> , 2011, 26, 745-753	2.5		12
71	Impedance Spectroscopy Studies of Fresnoites in BaO-xTiO ₂ -Bi ₂ O ₃ System. <i>Journal of the American Ceramic Society</i> , 2010, 93, 522-530	3.8		17
70	Dielectric Breakdown of Thinned BaO-Al ₂ O ₃ -B ₂ O ₃ -Bi ₂ O ₃ Glass. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2346-2351	3.8		36
69	Influence of Nonstoichiometry on Extrinsic Electrical Conduction and Microwave Dielectric Loss of BaCo _{1/3} Nb _{2/3} O ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2010, 93, 4087-4095	3.8		41
68	A link between p-type electrical conduction and microwave dielectric loss in highly ordered Ba(Co _{1/3} Nb _{2/3})O ₃ ceramics. <i>Journal of Materials Research</i> , 2010, 25, 1011-1014	2.5		5
67	In Situ Catalytic Encapsulation of Core-Shell Nanoparticles Having Variable Shell Thickness: Dielectric and Energy Storage Properties of High-Permittivity Metal Oxide Nanocomposites. <i>Chemistry of Materials</i> , 2010, 22, 5154-5164	9.6		172
66	Dielectric Properties of Reduced Heterogeneous Silica-Titania Glasses. <i>International Journal of Applied Glass Science</i> , 2010, 1, 358-367	1.8		2
65	Nanoparticle, Size, Shape, and Interfacial Effects on Leakage Current Density, Permittivity, and Breakdown Strength of Metal Oxide Polyolefin Nanocomposites: Experiment and Theory. <i>Chemistry of Materials</i> , 2010, 22, 1567-1578	9.6		209
64	Effects of interfacial modifications on electrical properties of laminar composite dielectrics. <i>Langmuir</i> , 2010, 26, 18817-23	4		5
63	Alkali-free glass as a high energy density dielectric material. <i>Materials Letters</i> , 2009, 63, 1245-1248	3.3		95

62	A new silicon-based photoconductive microwave switch. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 248-252	1.2	11
61	High Q calcium titanate cylindrical dielectric resonators for magnetic resonance microimaging. <i>Journal of Magnetic Resonance</i> , 2009 , 200, 349-53	3	21
60	Microwave processing of electroceramic materials and devices. <i>Journal of Electroceramics</i> , 2009 , 22, 125-130	1.3	58
59	Enhanced polarization in zirconia-P(VDF-TrFE) laminar composite dielectrics. <i>Journal of Materials Science: Materials in Electronics</i> , 2009 , 20, 1001-1007	2.1	
58	Crystallization Kinetics and Dielectric Properties of Fresnoite BaO-TiO ₂ -SiO ₂ Glass-Ceramics. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 2642-2647	3.8	30
57	Control of interfaces on electrical properties of SiO ₂ -Parylene-C laminar composite dielectrics. <i>Journal of Colloid and Interface Science</i> , 2009 , 332, 65-73	9.3	15
56	Dielectric relaxation in dimethyl sulfoxide/water mixtures studied by microwave dielectric relaxation spectroscopy. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 12207-14	2.8	107
55	Two-port transmission line technique for dielectric property characterization of polymer electrolyte membranes. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 13551-9	3.4	22
54	Microwave synthesis of nano-sized barium titanate. <i>Materials Letters</i> , 2008 , 62, 2551-2553	3.3	30
53	DIELECTRIC PROPERTIES OF (Sr _{0.8} Pb _{0.2})TiO ₃ -MgO COMPOSITES AT LOW AND MICROWAVE FREQUENCIES. <i>Integrated Ferroelectrics</i> , 2008 , 104, 90-101	0.8	4
52	Crystal Structure and Microwave Dielectric Properties of Alkaline-Earth Hafnates, AHfO ₃ (A=Ba, Sr, Ca). <i>Journal of the American Ceramic Society</i> , 2008 , 91, 893-901	3.8	48
51	Synthesis and Electrical Properties of Stabilized Manganese Dioxide (MnO ₂) Thin-Film Electrodes. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 906-909	3.8	11
50	Broadband Dielectric Characterization of Aluminum Oxide (Al ₂ O ₃). <i>Journal of Microelectronics and Electronic Packaging</i> , 2008 , 5, 2-7	0.9	38
49	Barium/Lead-Rich High Permittivity Glass-Ceramics for Capacitor Applications. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 784-788	3.8	58
48	Thermodynamic and Electrical Effects of Residual Carbon in Glass-Barium Titanate Composites for MLCC Applications. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 2415-2419	3.8	9
47	Microwave dielectric properties of BaO-TiO ₂ binary compounds. <i>Materials Letters</i> , 2007 , 61, 1827-1831	3.3	93
46	Supported metallocene catalysis for in situ synthesis of high energy density metal oxide nanocomposites. <i>Journal of the American Chemical Society</i> , 2007 , 129, 766-7	16.4	106
45	Analysis of Electromagnetic Response of 3-D Dielectric Fractals of Menger Sponge Type. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 1305-1313	4.1	7

44	Low-temperature sintering and microwave dielectric properties of $\text{CaTi}_{1-x}(\text{Fe}_{0.5}\text{Nb}_{0.5})_x\text{O}_3$ ceramics with B_2O_3 addition. <i>Materials Research Bulletin</i> , 2006 , 41, 1385-1391	5.1	22
43	Phase verification of compact multilayered low temperature co-fired ceramic composite right-/left-handed transmission line. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 1792-1795	1.2	3
42	Symmetry Matching of Hybrid Modes for Dielectric Metamaterials. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 2835-2841	1.4	5
41	Preparation and characterization of dielectric glass-ceramics in $\text{Na}_2\text{O}:\text{PbO}:\text{Nb}_2\text{O}_5:\text{Bi}_2\text{O}_3$ system. <i>Materials Letters</i> , 2005 , 59, 2821-2826	3.3	85
40	Dielectric property measurement using a resonant nonradiative dielectric waveguide structure. <i>IEEE Microwave and Wireless Components Letters</i> , 2005 , 15, 104-106	2.6	8
39	FDTD study of resonance Processes in metamaterials. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2005 , 53, 1477-1487	4.1	53
38	Crystallization Kinetics and Phase Development of $\text{PbO}:\text{BaO}:\text{SrO}:\text{Nb}_2\text{O}_5:\text{B}_2\text{O}_3:\text{Bi}_2\text{O}_3$ -Based Glass-Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 3037-3042	3.8	44
37	Structure-Property Relationships of $\text{BaTi}_{1-x}\text{Gd}_x\text{Nb}_y\text{O}_3$ ($0 \leq x \leq 0.35$) Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 3055-3062	3.8	16
36	Microwave Dielectric Properties and Low-Temperature Cofiring of BaTe_4O_9 with Aluminum Metal Electrode. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 3419-3422	3.8	142
35	Integration Concepts for the Fabrication of LTCC Structures. <i>International Journal of Applied Ceramic Technology</i> , 2005 , 2, 514-520	2	38
34	New approaches for designing microstrip filters utilizing mixed dielectrics. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2005 , 53, 644-652	4.1	9
33	Crystallization kinetics and dielectric properties of nanocrystalline lead strontium barium niobates. <i>Journal of Materials Research</i> , 2005 , 20, 438-446	2.5	36
32	Structure and Microwave Dielectric Properties of $\text{Ca}_{1-x}\text{Y}_x\text{Ti}_{1-x}\text{Al}_x\text{O}_3$ (CYTA) Ceramics. <i>Journal of Materials Research</i> , 2005 , 20, 2391-2399	2.5	36
31	BaTiO_3 -Based Ceramics for Tunable Microwave Applications. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 1082-1087	3.8	119
30	Dielectric Properties and Relaxation in $(1-x)\text{BiScO}_3-x\text{Ba}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ Solid Solutions. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 1088-1092	3.8	10
29	Structure and Microwave Dielectric Properties of $(\text{Zn}_{1-x}\text{Co}_x)\text{TiO}_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 1874-1878	3.8	29
28	Structure and microwave dielectric properties of $(\text{Zn}_{1-x}\text{Ni}_x)\text{TiO}_3$ ceramics. <i>Journal of Materials Research</i> , 2003 , 18, 1067-1072	2.5	16
27	Dielectric properties of $\text{Bi}_2\text{O}_3-x\text{Nb}_2\text{O}_5$ pyrochlore and zirconolite structure ceramics. <i>Applied Physics Letters</i> , 2003 , 82, 3734-3736	3.4	18

26	Low-temperature dielectric relaxation in the pyrochlore $(\text{Bi}_{3/4}\text{Zn}_{1/4})_2(\text{Zn}_{1/4}\text{Ta}_{3/4})_2\text{O}_7$ compound. <i>Applied Physics Letters</i> , 2002 , 80, 4807-4809	3.4	38
25	Crystal structure of the compound $\text{Bi}_2\text{Zn}_2/3\text{Nb}_4/3\text{O}_7$. <i>Journal of Materials Research</i> , 2002 , 17, 1406-1411	1.5	76
24	Dielectric relaxation and microwave dielectric properties of Bi_2O_3 -ZnO-Ta 2O_5 ceramics. <i>Journal of Materials Research</i> , 2002 , 17, 1502-1506	2.5	35
23	Bi_2O_3 Solubility of Bi-based Pyrochlores and Related Phases. <i>Journal of Materials Research</i> , 2002 , 17, 1178-1182	2.5	19
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21	Correlation between infrared phonon modes and dielectric relaxation in Bi_2O_3 - Nb_2O_5 cubic pyrochlore. <i>Applied Physics Letters</i> , 2002 , 81, 4404-4406	3.4	63
20	Transmission electron microscopy investigation of Bi_2O_3 - Nb_2O_5 pyrochlore and related phases. <i>Materials Letters</i> , 2002 , 57, 414-419	3.3	22
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6	Microstructure and critical current density of zone melt textured YBa ₂ Cu ₃ O _{6+x} . <i>Applied Physics Letters</i> , 1990 , 57, 1455-1457	3.4	116
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