Cheng-Liang Huang

List of Publications by Citations

216 papers	3,644 citations	34 h-index	47 g-index
225 ext. papers	3,983 ext. citations	3.7 avg, IF	5.59 L-index

#	Paper	IF	Citations
216	Improved high q value of MgTiO3-CaTiO3 microwave dielectric ceramics at low sintering temperature. *Materials Research Bulletin*, **2001**, 36, 2741-2750	5.1	141
215	Dielectric Properties of Low Loss (1−x)(Mg0.95Zn0.05)TiO3–xSrTiO3 Ceramic System at Microwave Frequency. *Journal of the American Ceramic Society*, **2007**, 90, 858-862	3.8	82
214	Liquid phase sintering of (Zr,Sn)TiO4 microwave dielectric ceramics. *Materials Research Bulletin*, **2000**, 35, 1881-1888	5.1	77
213	Characterization of Extremely Low Loss Dielectrics (Mg0.95Zn0.05)TiO3at Microwave Frequency. *Japanese Journal of Applied Physics*, **2007**, 46, 283-285	1.4	75
212	Microwave Dielectric Properties of Sintered Alumina Using Nano-Scaled Powders of α-Alumina and TiO2. *Journal of the American Ceramic Society*, **2007**, 90, 1487-1493	3.8	72
211	Liquid phase sintering of MgTiO3–CaTiO3 microwave dielectric ceramics. *Materials Chemistry and Physics*, **2003**, 78, 111-115	4.4	68
210	Low-Loss Microwave Dielectrics in the (Mg1−xZnx)2TiO4 Ceramics. *Journal of the American Ceramic Society*, **2008**, 91, 3428-3430	3.8	67
209	High-Q Microwave Dielectrics in the (Mg1−xCox)2TiO4 Ceramics. *Journal of the American Ceramic Society*, **2009**, 92, 379-383	3.8	65
208	Sintering behavior and microwave dielectric properties of nano alpha-alumina. *Materials Letters*, **2005**, 59, 3746-3749	3.3	65
207	Low temperature sintering and microwave dielectric properties of Ba2Ti9O20 ceramics using glass additions. *Materials Research Bulletin*, **2000**, 35, 2445-2456	5.1	65
206	Dielectric properties of (1-y)Ca1-xLa2x/3TiO3-y(Li,Nd)1/2TiO3 ceramic system at microwave frequency. *Materials Research Bulletin*, **2001**, 36, 547-556	5.1	60
205	Effect of ZnO additive on sintering behavior and microwave dielectric properties of 0.95MgTiO3–0.05CaTiO3 ceramics. *Journal of Alloys and Compounds*, **2008**, 450, 359-363	5.7	58
204	High-Q dielectrics using ZnO-modified Li2TiO3 ceramics for microwave applications. *Journal of the European Ceramic Society*, **2012**, 32, 3287-3295	6	53
203	High-Q microwave dielectrics in low-temperature sintered (Zn1−xNix)3Nb2O8 ceramics. *Journal of the European Ceramic Society*, **2014**, 34, 277-284	6	51
202	Low-loss microwave dielectrics using rock salt oxide Li2MgTiO4. *Journal of Alloys and Compounds*, **2011**, 509, L308-L310	5.7	51
201	Low-Loss Microwave Dielectric Ceramics Using (Mg1−xMnx)2TiO4 (x=0.02–0.1) Solid Solution. *Journal of the American Ceramic Society*, **2009**, 92, 675-678	3.8	51
200	Dielectric characteristics of the (1−x)Mg2TiO4–xSrTiO3 ceramic system at microwave frequencies. *Journal of Alloys and Compounds*, **2009**, 471, L9-L12	5.7	51

199	Effects of additives on microstructures and microwave dielectric properties of (Zr, Sn)TiO4 ceramics. *Materials Chemistry and Physics*, **2001**, 71, 17-22	4.4	51
198	Dielectric Characteristics of Nd(Zn1/2Ti1/2)O3 Ceramics at Microwave Frequencies. *Journal of the American Ceramic Society*, **2006**, 89, 1465-1470	3.8	50
197	Low temperature sintering and microwave dielectric properties of SmAlO3 ceramics. *Materials Research Bulletin*, **2002**, 37, 563-574	5.1	50
196	Improved high Q value of CaTiO3–Ca(Mg1/3Nb2/3)O3 solid solution with near zero temperature coefficient of resonant frequency. *Materials Research Bulletin*, **2001**, 36, 1645-1652	5.1	49
195	Effect of B2O3Additives on Sintering and Microwave Dielectric Behaviors of CuO-Doped ZnNb2O6Ceramics. *Japanese Journal of Applied Physics*, **2002**, 41, 758-762	1.4	46
194	Low Dielectric Loss Ceramics in the ZnAl2O4–TiO2 System as a ε Compensator. *Journal of the American Ceramic Society*, **2009**, 92, 119-124	3.8	44
193	High Q Microwave Dielectric Ceramics in the Li2(Zn1−xAx)Ti3O8 (A = Mg, Co; x = 0.02–0.1) System. *Journal of the American Ceramic Society*, **2011**, 94, 4146-4149	3.8	42
192	Improved high-Q microwave dielectric resonator using CuO-doped MgNb2O6 ceramics. *Materials Research Bulletin*, **2003**, 38, 1091-1099	5.1	42
191	Low-Dielectric Loss Characteristics of Nd(Co1/2Ti1/2)O3 Ceramics at Microwave Frequencies. *Journal of the American Ceramic Society*, **2007**, 90, 1619-1622	3.8	40
190	Effect of CuO additive on sintering and microwave dielectric behavior of LaAlO3 ceramics. *Materials Research Bulletin*, **2001**, 36, 1939-1947	5.1	39
189	Dielectric properties of (1−x)(Mg0.95Co0.05)TiO3–xCaTiO3 ceramic system at microwave frequency. *Materials Research Bulletin*, **2002**, 37, 2483-2490	5.1	38
188	Low-Temperature Sintering and Microwave Dielectric Properties of (1-x)MgTiO3–xCaTiO3Ceramics Using Bismuth Addition. *Japanese Journal of Applied Physics*, **2002**, 41, 707-711	1.4	38
187	Low-Loss Microwave Dielectrics in the Spinel-Structured (Mg1−xNix)Al2O4 Solid Solutions. *Journal of the American Ceramic Society*, **2010**, 93, 1999	3.8	35
186	Effect of B2O3 additives on sintering and microwave dielectric behaviors of 0.66Ca(Mg1/3Nb2/3)O3–0.34CaTiO3 ceramics. *Journal of Alloys and Compounds*, **2008**, 461, 440-446	5.7	35
185	Phase Relation and Microwave Dielectric Properties of (Zn1−xCox)Ta2O6 System. *Journal of the American Ceramic Society*, **2010**, 93, 1248	3.8	34
184	Phase Evolution and Dielectric Properties of (Mg0.95M0.052+)Ti2O5 (M2+=Co, Ni, and Zn) Ceramics at Microwave Frequencies. *Journal of the American Ceramic Society*, **2009**, 92, 384-388	3.8	34
183	Effect of V2O5 and CuO additives on sintering behavior and microwave dielectric properties of BiNbO4 ceramics. *Journal of Materials Science*, **2000**, 35, 5443-5447	4.3	34
182	Influence of V2O5 additions to NdAlO3 ceramics on sintering temperature and microwave dielectric properties. *Journal of the European Ceramic Society*, **2003**, 23, 167-173	6	33

181	Low-Loss Microwave Dielectrics Using Mg2(Ti1−xSnx)O4 (x=0.01−0.09) Solid Solution. *Journal of the American Ceramic Society*, **2009**, 92, 2237-2241	3.8	30
180	A new low-loss microwave dielectric using (Ca0.8Sr0.2)TiO3-doped MgTiO3 ceramics. *Materials Letters*, **2010**, 64, 2585-2588	3.3	30
179	New dielectric material system of (Mg0.95Zn0.05)TiO3–Ca0.61Nd0.26TiO3 at microwave frequency. *Journal of Alloys and Compounds*, **2008**, 453, 337-340	5.7	30
178	Characterization and dielectric behavior of CuO-doped ZnTa2O6 ceramics at microwave frequency. *Materials Research Bulletin*, **2004**, 39, 1701-1708	5.1	30
177	Dielectric properties of copper oxide doped 0.95Ba(Zn1/3Ta2/3)O3–0.05BaZrO3 ceramics at microwave frequency. *Materials Chemistry and Physics*, **2006**, 97, 256-260	4.4	28
176	Microwave dielectric properties of xNd(Zn1/2Ti1/2)O3–(1−x)CaTiO3 ceramics. *Materials Letters*, **2007**, 61, 4054-4057	3.3	27
175	High-Dielectric-Constant and Low-Loss Microwave Dielectric in the (1−x)Nd(Zn1/2Ti1/2)O3–xSrTiO3 System with a Zero Temperature Coefficient of Resonant Frequency. *Journal of the American Ceramic Society*, **2008**, 91, 2201-2204	3.8	27
174	Dielectric Properties of CaTiO3–Ca(Mg1/3Nb2/3)O3Ceramic System at Microwave Frequency. *Japanese Journal of Applied Physics*, **2000**, 39, 6608-6611	1.4	26
173	Characterization and dielectric behavior of V2O5-doped MgTiO3–CaTiO3 ceramic system at microwave frequency. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2007**, 145, 91-96	3.1	25
172	Microwave Dielectric Properties of (Mg1−xNix)2TiO4 (x=0.02−0.1) Ceramics. *International Journal of Applied Ceramic Technology*, **2010**, 7, E163-E169	2	24
171	Dielectric properties of B2O3-doped (1−x)LaAlO3–xSrTiO3 ceramic system at microwave frequency. *Materials Research Bulletin*, **2002**, 37, 1941-1948	5.1	24
170	Synthesis, Crystal Structure, and Microwave Dielectric Properties of (Mg1−xCox)Ta2O6 Solid Solutions. *Journal of the American Ceramic Society*, **2010**, 93, 470-473	3.8	23
169	Improved high Q value of (1−x)Ca(Mg1/3Ta2/3)O3–xCa0.8Sm0.4/3TiO3 solid solution with zero temperature coefficient of resonant frequency. *Journal of Alloys and Compounds*, **2010**, 494, 205-209	5.7	22
168	Influence of V2O5 additions to 0.8(Mg0.95Zn0.05)TiO3–0.2Ca0.61Nd0.26TiO3 ceramics on sintering behavior and microwave dielectric properties. *Journal of Alloys and Compounds*, **2008**, 454, 454-459	5.7	21
167	Dielectric characteristics of La(Co1/2Ti1/2)O3 ceramics at microwave frequencies. *Materials Letters*, **2004**, 58, 3732-3736	3.3	21
166	Ab Initio-Aided Sensitizer Design for Mn4+-Activated Mg2TiO4 as an Ultrabright Fluoride-Free Red-Emitting Phosphor. *Chemistry of Materials*, **2018**, 30, 1769-1775	9.6	20
165	Characterization and dielectric behavior of a new dielectric ceramics Ca(Mg1/3Nb2/3)O3–(Ca0.8Sr0.2)TiO3 at microwave frequencies. *Journal of Alloys and Compounds*, **2009**, 484, 494-497	5.7	20
164	Dielectric characteristics and sintering behavior of Mg2TiO4–(Ca0.8Sr0.2)TiO3 ceramic system at microwave frequency. *Journal of Alloys and Compounds*, **2009**, 487, 420-424	5.7	20

163	Influence of ZnO additions to 0.8(Mg0.95Co0.05)TiO3–0.2Ca0.6La0.8/3TiO3 ceramics on sintering behavior and microwave dielectric properties. *Materials Letters*, **2006**, 60, 3591-3595	3.3	20
162	Microwave characteristics of Sm(Co1/2Ti1/2)O3 dielectric resonators. *Materials Letters*, **2004**, 58, 2829-2833	3.3	20
161	Dielectric properties of high-Q (Mg1−xZnx)1.8Ti1.1O4 ceramics at microwave frequency. *Journal of the European Ceramic Society*, **2012**, 32, 2365-2371	6	19
160	Microwave dielectric properties and microstructures of MgTa2O6 ceramics with CuO addition. *Materials Chemistry and Physics*, **2005**, 90, 373-377	4.4	19
159	Structural characteristics and microwave dielectric properties of low-firing Ba(Co 1− x Mg x) 2 (VO 4) 2 (x =0–1) ceramics. *Journal of Alloys and Compounds*, **2016**, 686, 608-615	5.7	18
158	Low-loss microwave dielectric ceramics in the (Co1−xZnx)TiO3 (x = 0–0.1) system. *Journal of Alloys and Compounds*, **2012**, 515, 8-11	5.7	18
157	A new low-loss dielectric using CaTiO3-modified (Mg0.95Mn0.05)TiO3 ceramics for microwave applications. *Journal of Alloys and Compounds*, **2010**, 499, 48-52	5.7	18
156	Dielectric properties of a new ceramic system (1−x)Mg4Nb2O9–xCaTiO3 at microwave frequency. *Materials Research Bulletin*, **2009**, 44, 1111-1115	5.1	18
155	Effect of CuO addition to Nd(Zn1/2Ti1/2)O3 ceramics on sintering behavior and microwave dielectric properties. *Materials Letters*, **2009**, 63, 103-105	3.3	18
154	Microwave dielectric properties and sintering behaviors of (Mg0.95Ni0.05)TiO3–CaTiO3 ceramic system. *Journal of Alloys and Compounds*, **2009**, 472, 451-455	5.7	18
153	Dielectric properties and mixture behavior of Mg4Nb2O9–SrTiO3 ceramic system at microwave frequency. *Journal of Alloys and Compounds*, **2009**, 478, 554-558	5.7	18
152	Microwave dielectric properties and microstructures of La(Mg1/2Ti1/2)O3 with CuO-doped. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2006**, 128, 98-102	3.1	18
151	Effect of CaTiO3 addition on microwave dielectric properties of Mg2(Ti0.95Sn0.05)O4 ceramics. *Journal of Alloys and Compounds*, **2011**, 509, 4247-4251	5.7	17
150	Characterization and dielectric behavior of V2O5-doped 0.9Mg0.95Co0.05TiO3–0.1Ca0.6La0.8/3TiO3 ceramic system at microwave frequency. *Journal of Alloys and Compounds*, **2010**, 489, 170-174	5.7	17
149	High-Q microwave dielectric in the (1 −x)MgTiO3–xCa0.6La0.8/3TiO3 ceramic system with a near-zero temperature coefficient of the resonant frequency. *Materials Letters*, **2008**, 62, 3205-3208	3.3	17
148	Properties of reactively radio frequency-magnetron sputtered (Zr,Sn)TiO4 dielectric films. *Journal of Applied Physics*, **2004**, 96, 1186-1191	2.5	17
147	Highly c-axis oriented thin AlN films deposited on gold seed layer for FBAR devices. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2005**, 23, 1474		17
146	Shifting τf value of BiNbO4 ceramics by BiTaO4 addition. *Journal of Materials Science Letters*, **2000**, 19, 375-376		17

145	Improvements in the sintering behavior and microwave dielectric properties of Mg4Nb2O9 by adding Fe2O3. *Journal of Alloys and Compounds*, **2010**, 495, L5-L7	5.7	16
144	Dielectric properties and applications of low loss (1−x)(Mg0.95Co0.05)TiO3−xCa0.8Sm0.4/3TiO3 ceramic system at microwave frequency. *Journal of Alloys and Compounds*, **2009**, 468, 516-521	5.7	16
143	Microwave dielectric properties and sintering behavior of nano-scaled (+)-Al2O3 ceramics. *Materials Research Bulletin*, **2008**, 43, 1463-1471	5.1	16
142	Microwave dielectric properties and mixture behavior of (Mg0.95Co0.05)TiO3−Ca0.6La0.8/3TiO3 ceramic system. *Journal of Alloys and Compounds*, **2008**, 461, 521-526	5.7	16
141	Microwave properties of B2O3-doped Nd(Mg1/2Ti1/2)O3−CaTiO3 dielectric resonators at microwave frequency. *Materials Letters*, **2006**, 60, 198-202	3.3	16
140	Microwave dielectric properties and microstructures of CuO- and ZnO-doped LaAlO3 ceramics. *Materials Research Bulletin*, **2002**, 37, 449-457	5.1	16
139	Microwave dielectric properties and microstructure of Ba2−xSm4+2x/3Ti8+yO24+2y ceramics. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2003**, 345, 106-112	5.3	16
138	Characterization and microwave dielectric properties of Mg2YVO6 ceramic. *Journal of Alloys and Compounds*, **2015**, 641, 93-98	5.7	15
137	Microwave Dielectric Characteristics of (Mg0.95M0.05)Ta2O6 (M=Ni, Zn, Mn) Ceramic Series. *Materials Letters*, **2012**, 76, 28-31	3.3	15
136	Microwave Dielectric Properties of (Mg0.95Ni0.05)TiO3–SrTiO3 Ceramics with a Near-Zero Temperature Coefficient of Resonant Frequency. *International Journal of Applied Ceramic Technology*, **2010**, 7, 207-216	2	15
135	High Dielectric Constant and Low-Loss Microwave Dielectric Ceramics Using (Zn0.95M2+0.05)Ta2O6 (M2+=Mn, Mg, and Ni) Solid Solutions. *Journal of the American Ceramic Society*, **2010**, 93, 3299-3304	3.8	15
134	Characterization and dielectric behavior of B2O3-doped 0.9Mg0.95Co0.05TiO3−0.1Ca0.6La0.8/3TiO3 ceramic system at microwave frequency. *Journal of Alloys and Compounds*, **2010**, 504, 228-232	5.7	15
133	Microwave dielectric properties of (1−x)(Mg0.95Zn0.05)TiO3–x(Na0.5La0.5)TiO3 ceramic system. *Journal of Alloys and Compounds*, **2009**, 472, 497-501	5.7	15
132	A Wideband Cross Monopole Antenna. *IEEE Transactions on Antennas and Propagation*, **2009**, 57, 2464-2468	4.9	15
131	Microwave dielectric properties of a new ceramic system (1−x)(Mg0.95Zn0.05)TiO3–xCaTiO3 at microwave frequencies. *Materials Letters*, **2008**, 62, 3773-3775	3.3	15
130	Influence of B2O3 additions to 0.8(Mg0.95Zn0.05)TiO3-0.2Ca0.61Nd0.26TiO3 ceramics on sintering behavior and microwave dielectric properties. *Journal of Alloys and Compounds*, **2008**, 460, 675-679	5.7	15
129	Structures and dielectric properties of a new dielectric material system xMgTiO3−(1−x)MgTa2O6 at microwave frequency. *Journal of Alloys and Compounds*, **2007**, 431, 326-330	5.7	15
128	Microwave dielectric properties of Ba2−xSm4+2/3xTi9O26 ceramics with zero temperature coefficient. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2002**, 334, 250-256	5.3	15

127	Improved high Q value of 0.5LaAlO3-0.5SrTiO3 microwave dielectric ceramics at low sintering temperature. *Materials Research Bulletin*, **2001**, 36, 2677-2687	5.1	15
126	Influence of Mg substitutions for Zn on the phase relation and microwave dielectric properties of (Zn1−xMgx)3Nb2O8 (x = 0.02–1.0) system. *Journal of Alloys and Compounds*, **2013**, 581, 257-262	5.7	14
125	Dielectric properties of magnesium oxide at microwave frequency. *Journal of Alloys and Compounds* , **2010**, 504, 284-287	5.7	14
124	Crystal structure and dielectric properties of xCa(Mg1/3Nb2/3)O3–(1−x)(Ca0.61Nd0.26)TiO3 at the microwave frequency. *Materials Research Bulletin*, **2015**, 63, 1-5	5.1	13
123	Textured Magnesium Titanate as Gate Oxide for GaN-Based Metal-Oxide-Semiconductor Capacitor. *Journal of the American Ceramic Society*, **2011**, 94, 1005-1007	3.8	13
122	The effect of Ca0.61Nd0.26TiO3 addition on the microwave dielectric properties of (Mg0.95Ni0.05)TiO3 ceramics. *Journal of Alloys and Compounds*, **2009**, 475, 391-395	5.7	13
121	Low-loss microwave dielectrics using SrTiO3-modified (Mg0.95Co0.05)2TiO4 ceramics. *Journal of Alloys and Compounds*, **2009**, 485, 706-710	5.7	13
120	New dielectric material system of x(Mg0.95Zn0.05Ti)O3–(1−x)Ca0.8Sm0.4/3TiO3 at microwave frequency. *Materials Letters*, **2008**, 62, 2454-2457	3.3	13
119	A wideband planar inverted-F dielectric resonator antenna for RFID system applications. *Microwave and Optical Technology Letters*, **2006**, 48, 1302-1305	1.2	13
118	Dielectric properties of 0.95Ba(Zn1/3Nb2/3)O3–0.05BaZrO3 ceramics at microwave frequency. *Materials Letters*, **2003**, 57, 3602-3605	3.3	13
117	High-Q microwave dielectrics in the (Mg1−xZnx)Al2O4 (x = 0–0.1) system. *Journal of Alloys and Compounds*, **2011**, 509, L150-L152	5.7	12
116	The effect of non-stoichiometry on the microstructure and microwave dielectric properties of the Mg1+εTiO3+δ ceramics. *Journal of Alloys and Compounds*, **2011**, 509, 9702-9707	5.7	12
115	New dielectric material system of Nd(Mg1/2Ti1/2)O3–CaTiO3 with V2O5 addition for microwave applications. *Journal of Alloys and Compounds*, **2010**, 489, 719-721	5.7	12
114	Reduced Dielectric Loss of Modified ZnNb2O6 Ceramics by Substituting Nb5+ with Ta5+. *Journal of the American Ceramic Society*, **2009**, 92, 1845-1848	3.8	12
113	Microwave dielectric properties of (1−x)CaO-xBaO-Li2O-(1−y) Sm2O3-yNd2O3-TiO2 ceramics system. *Journal of Materials Science*, **2000**, 35, 4901-4905	4.3	12
112	Sol-gel derived TiNb2O7 dielectric thin films for transparent electronic applications. *Journal of the American Ceramic Society*, **2018**, 101, 674-682	3.8	12
111	Microwave dielectric properties of low-loss (Zn1−xCox)3Nb2O8 ceramics for LTCC applications. *Journal of Alloys and Compounds*, **2015**, 620, 18-23	5.7	11
110	Low-loss microwave dielectrics using (Mg1−xZnx)4Nb2O9 (x=0.02–0.08) solid solutions. *Journal of Alloys and Compounds*, **2011**, 509, 2269-2272	5.7	11

109	Low-Loss Microwave Dielectrics in the (Mg1−xCox)1.8Ti1.1O4 (x=0.03–1.00) Solid Solutions. *Journal of the American Ceramic Society*, **2011**, 94, 2963-2967	3.8	11
108	Microwave dielectric characteristics of (Mg0.95Ni0.05)TiO3–Ca0.8Sm0.4/3TiO3 ceramic system. *Journal of Alloys and Compounds*, **2009**, 477, 720-725	5.7	11
107	Microwave dielectric properties of (Mg0.95Co0.05)TiO3–(Na0.5Nd0.5)TiO3 ceramic system. *Journal of Alloys and Compounds*, **2009**, 478, 842-846	5.7	11
106	Dielectric properties of a low-loss (1−x)(Mg0.95Zn0.05)2TiO4–xSrTiO3 ceramic system at microwave frequencies. *Journal of Alloys and Compounds*, **2009**, 480, 794-797	5.7	11
105	Characteristics of High-Q Microwave Dielectric Ceramics Nd(Co1/2Ti1/2)O3 With CuO Addition. *Journal of the American Ceramic Society*, **2007**, 90, 2409-2414	3.8	11
104	New Dielectric Material System of La(Mg1/2Ti1/2)O3–CaTiO3at Microwave Frequencies. *Japanese Journal of Applied Physics*, **2005**, 44, 3147-3150	1.4	11
103	The synthesis and photoluminescence enhancement of sensitizer-doped Li2MgTi3O8:Mn4+ red phosphor. *Journal of Alloys and Compounds*, **2019**, 787, 440-447	5.7	10
102	Strong Near-Infrared Photoluminescence Emission of (003)-Oriented MgTiO3 Thin Films. *Journal of the American Ceramic Society*, **2013**, 96, 2065-2068	3.8	10
101	The effect of deposition temperature and chamber pressure on the electrical and physical properties of the MgTiO3 thin films. *Journal of Alloys and Compounds*, **2009**, 480, 897-902	5.7	10
100	Phase development and dielectric properties of BaAl2Si2O8-based low temperature co-fire ceramic material. *Journal of the Ceramic Society of Japan*, **2008**, 116, 935-940	1	10
99	New compact microstrip stacked slotted resonators bandpass filter with transmission zeros using high-permittivity ceramics substrate. *Microwave and Optical Technology Letters*, **2008**, 50, 1377-1379	1.2	10
98	New dielectric materials of xSrTiO3–(1−x)Ca(Mg1/3Nb2/3)O3 ceramic system at microwave frequency. *Materials Letters*, **2006**, 60, 1280-1283	3.3	10
97	Low loss and temperature stable microwave dielectrics using Li2(Mg1−xAx)Ti3O8 (A2+=Zn, Co; x=0.02–0.1) ceramics. *Journal of Alloys and Compounds*, **2014**, 607, 67-72	5.7	9
96	Low-firable high-K dielectric in the Zrx(Zn1/3Nb2/3)1−xTiO4 ceramic system. *Journal of Alloys and Compounds*, **2011**, 509, L293-L295	5.7	9
95	Structure, Dielectric Properties, and Applications of CaTiO3-Modified Ca4MgNb2TiO12 Ceramics at Microwave Frequency. *Journal of the American Ceramic Society*, **2011**, 94, 1824-1828	3.8	9
94	Dielectric properties of B2O3-doped 0.92(Mg0.95Co0.05)2TiO4–0.08(Ca0.8Sr0.2)TiO3 ceramics for microwave applications. *Journal of Alloys and Compounds*, **2010**, 505, 291-296	5.7	9
93	Dielectric properties of Mg0.95Ni0.05TiO3 ceramic modified by Nd0.5Na0.5TiO3 at microwave frequencies. *Current Applied Physics*, **2009**, 9, 1042-1045	2.6	9
92	New dielectric material system of Mg0.95Co0.05TiO3–Zn0.975Ca0.025TiO3 at microwave frequencies. *Journal of Alloys and Compounds*, **2009**, 477, 712-715	5.7	9

91	Investigation of the microwave dielectric properties of Li2ZnTi5O12 ceramics. *Journal of Alloys and Compounds*, **2016**, 678, 102-108	5.7	9
90	Thermal Reaction of Cristobalite in Nano-SiO2/α-Al2O3 Powder Systems for Mullite Synthesis. *Journal of the American Ceramic Society*, **2014**, 97, 2431-2438	3.8	8
89	High-Q microwave dielectrics in the (Mg1−xZnx)4Ta2O9 ceramics. *Journal of Alloys and Compounds*, **2014**, 590, 494-499	5.7	8
88	Intense Red Photoluminescence Emission of Sol–Gel-Derived Nanocrystalline Mg2TiO4 Thin Films. *Journal of the American Ceramic Society*, **2014**, 97, 358-360	3.8	8
87	High-dielectric-constant and low-loss microwave dielectric in the Ca(Mg1/3Ta2/3)O3–(Ca0.8Sr0.2)TiO3 solid solution system. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2010**, 167, 142-146	3.1	8
86	Improved microwave dielectric properties of B2O3-doped Nd(Co1/2Ti1/2)O3 ceramics with near zero temperature coefficient of resonant frequency. *Materials Research Bulletin*, **2007**, 42, 9-16	5.1	8
85	Compact 5.8-GHz bandpass filter using stepped-impedance dielectric resonators for ISM band wireless communication. *Microwave and Optical Technology Letters*, **2005**, 44, 421-423	1.2	8
84	Sol–Gel-Derived Amorphous-MgNb2O6 Thin Films for Transparent Microelectronics. *Journal of the American Ceramic Society*, **2013**, 96, 3375-3378	3.8	7
83	High-dielectric-constant and low-loss microwave dielectric in the (1−x)La(Mg0.5Ti0.5)O3–x(Ca0.8Sr0.2)TiO3 solid solution system. *Journal of Alloys and Compounds*, **2011**, 509, L99-L102	5.7	7
82	A novel low-loss microwave dielectric using (Ca0.8Sr0.2)TiO3-modified (Mg0.95Co0.05)2TiO4 ceramics. *Journal of Alloys and Compounds*, **2010**, 496, L10-L13	5.7	7
81	Microwave dielectric properties of x(Mg0.7Zn0.3)0.95Co0.05TiO3–(1−x)Ca0.8Sr0.2TiO3 ceramics with a zero temperature coefficient of resonant frequency. *Journal of Alloys and Compounds*, **2010**, 503, 392-396	5.7	7
80	Microwave dielectric properties of (1−x)(Mg0.95Co0.05)TiO3–x(Na0.5La0.5)TiO3 ceramic system. *Current Applied Physics*, **2009**, 9, 1355-1359	2.6	7
79	High dielectric constant low loss in the (La1/2Na1/2)TiO3–Ca(Mg1/3Nb2/3)O3 ceramic system at microwave frequency. *Journal of Alloys and Compounds*, **2009**, 468, L13-L16	5.7	7
78	Influence of ZnO additions to 0.96Mg0.95Co0.05TiO3–0.04SrTiO3 ceramics on sintering behavior and microwave dielectric properties. *Journal of Alloys and Compounds*, **2009**, 469, 357-361	5.7	7
77	Microstrip-fed monopole dumbbell-shaped antenna for UWB application. *Microwave and Optical Technology Letters*, **2007**, 49, 1470-1473	1.2	7
76	Low firable 0.95MgTiO3-0.05CaTiO3 microwave dielectrics. *Journal of Materials Science Letters*, **2002**, 21, 149-151		7
75	Microwave dielectric properties of B2O3 doped LaAlO3 ceramics at low sintering temperature. *Journal of Materials Science*, **2003**, 38, 3495-3500	4.3	7
74	Microwave Dielectric Properties of (1−x)(Mg0.95Ni0.05)TiO3–x(Ca0.8Sr0.2)TiO3 Ceramic System With Near-Zero Temperature Coefficient. *International Journal of Applied Ceramic Technology*, **2012**, 9, 447-453	2	6

73	MgTiO3 (003) Thin Film Deposited on Sapphire (0001) by Sputtering. *Journal of the American Ceramic Society*, **2011**, 94, 363-366	3.8	6
72	Low-Temperature Sintering Microwave Dielectrics Using CuO-Doped Zn(Nb0.95Ta0.05)2O6 Ceramics. *Journal of the American Ceramic Society*, **2010**, 93, 2755-2759	3.8	6
71	A Novel Temperature-Compensated Microwave Dielectric (1−x)(Mg0.95Ni0.05)TiO3–xCa0.6La0.8/3TiO3 Ceramics System. *International Journal of Applied Ceramic Technology*, **2009**, 6, 562-570	2	6
70	Dielectric properties of (1−x)(Mg0.95Zn0.05)TiO3–x(Na0.5Nd0.5)TiO3 ceramic system at microwave frequencies. *Materials Letters*, **2008**, 62, 2516-2519	3.3	6
69	Using high permittivity ceramic substrates to design a bandpass filter with open stub. *Microwave and Optical Technology Letters*, **2007**, 49, 771-773	1.2	6
68	Multilayer ceramic bandpass filter at microwave frequency. *Microwave and Optical Technology Letters*, **2000**, 24, 258-260	1.2	6
67	Sintering behavior and microwave dielectric properties of ZnCuTiO4 ceramics. *Journal of Alloys and Compounds*, **2015**, 638, 29-33	5.7	5
66	Temperature Compensating Microwave Dielectric Based on the (Mg0.95Ni0.05)TiO3–(La0.5Na0.5)TiO3 Ceramic System. *International Journal of Applied Ceramic Technology*, **2009**, 7, E64-E70	2	5
65	The effect of RF power and deposition temperature on the structure and electrical properties of Mg4Ta2O9 thin films prepared by RF magnetron sputtering. *Journal of Crystal Growth*, **2009**, 311, 627-633	1.6	5
64	A new dielectric material system using (1−x)(Mg0.95Co0.05)2TiO4–xCa0.8Sm0.4/3TiO3 at microwave frequencies. *Materials Chemistry and Physics*, **2010**, 120, 217-220	4.4	5
63	Microwave dielectric properties of Mg1.8Ti1.1O4 ceramics. *Materials Letters*, **2010**, 64, 885-887	3.3	5
62	Dual-band multilayer ceramic microwave bandpass filter for applications in wireless communication. *Microwave and Optical Technology Letters*, **2002**, 32, 327-329	1.2	5
61	Miniaturization of hairpin bandpass filters using high-permittivity substrate. *Microwave and Optical Technology Letters*, **2005**, 45, 222-225	1.2	5
60	Effect of Inner Electrode on Electrical Properties of (Zn,Mg)TiO3-Based Multilayer Ceramic Capacitor. *Japanese Journal of Applied Physics*, **2005**, 44, 8519-8524	1.4	5
59	High-Q Li2Mg2(MoO4)3 dielectrics for LTCC applications at microwave frequencies. *Journal of Asian Ceramic Societies*, **2020**, 8, 430-436	2.4	4
58	Dielectric properties of B2O3 doped Sm(Co1/2Ti1/2)O3 ceramics at microwave frequency. *Journal of Materials Science*, **2007**, 42, 2393-2398	4.3	4
57	Miniaturization microstrip rectangular-ring bandpass filter using high permittivity substrate. *Microwave and Optical Technology Letters*, **2006**, 48, 540-543	1.2	4
56	Planar compact elliptic-function low-pass filter using high-permittivity ceramics substrate. *Microwave and Optical Technology Letters*, **2006**, 48, 1393-1398	1.2	4

55	Structural and Dielectric Properties of ZnO-Doped (Zr 0.8 Sn 0.2)TiO 4 Films at Radio Frequency. *Integrated Ferroelectrics*, **2003**, 51, 127-136	0.8	4
54	Properties of ZnO-doped Zr0.8Sn0.2TiO4 thin films by rf sputtering. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2003**, 21, 670		4
53	Resistive Switching Property of Organic-Inorganic Tri-Cation Lead Iodide Perovskite Memory Device. *Nanomaterials*, **2020**, 10,	5.4	3
52	Dielectric properties and crystal structure of Mg4Ta2O9 ceramics with Mg2+ substituted by Co2+. *Journal of the Ceramic Society of Japan*, **2014**, 122, 556-560	1	3
51	New material properties and microstructure of xLa(Mg1/2Ti1/2)O3–(1-x)Ca0.6Sm0.8/3TiO3 ceramics at microwave frequency. *Journal of the Ceramic Society of Japan*, **2014**, 122, 951-954	1	3
50	Resistive Switching Behaviors of Sol-Gel-Derived MgNb2O6 Thin Films on ITO/glass Substrate. *Journal of the American Ceramic Society*, **2014**, 97, 3544-3548	3.8	3
49	Crystal structure and dielectric properties of La(Mg0.5Ti0.5)O3–Ca0.8Sm0.4/3TiO3 solid solution system at microwave frequencies. *Journal of Alloys and Compounds*, **2011**, 509, 426-430	5.7	3
48	Low-loss microwave dielectrics in the Mg2(Ti0.95Sn0.05)O4–(Ca0.8Sr0.2)TiO3 ceramic system. *Journal of Alloys and Compounds*, **2010**, 502, 324-328	5.7	3
47	Sintering Behavior and Dielectric Properties of ZnNb2O6–TiO2Ceramic System at Microwave Frequency. *Japanese Journal of Applied Physics*, **2009**, 48, 100203	1.4	3
46	Microwave dielectric properties of (1−x)(Mg0.95Co0.05)TiO3–xCa0.6La0.8/3TiO3 ceramics with V2O5 addition. *Solid-State Electronics*, **2006**, 50, 1349-1354	1.7	3
45	Microwave Dielectric Properties and Microstructures of 0.5La(Mg1/2Ti1/2)O3–0.5CaTiO3Ceramics with B2O3Addition. *Japanese Journal of Applied Physics*, **2005**, 44, 6706-6708	1.4	3
44	Pseudoelliptic bandpass filter realized using coupled stepped-impedance resonators with tapped I/O. *Microwave and Optical Technology Letters*, **2000**, 27, 105-109	1.2	3
43	A low-loss, low temperature sintering dielectric using Ba1-xSrxMg2(VO4)2 ceramics and its applications at microwave frequencies. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2021**, 268, 115114	3.1	3
42	Microwave dielectric properties of novel Na2Mg5-xZnx(MoO4)6 (x = 0–0.09) ceramics for ULTCC applications. *Materials Research Bulletin*, **2021**, 141, 111355	5.1	3
41	Phase evolution and microwave dielectric properties of TiO2-modified (Mg0.95Co0.05)2TiO4 ceramics. *Journal of Alloys and Compounds*, **2011**, 509, 6273-6275	5.7	2
40	Quasi-elliptic function filters with a dual-passband response with high-permittivity ceramics substrate. *Microwave and Optical Technology Letters*, **2009**, 51, 245-248	1.2	2
39	Dielectric Properties of a New Ceramic System (Mg0.95Zn0.05)2TiO4–CaTiO3at Microwave Frequencies. *Japanese Journal of Applied Physics*, **2009**, 48, 071402	1.4	2
38	Using high permittivity ceramic substrates to fabricate a miniaturized bandpass filter with capacitive load. *Microwave and Optical Technology Letters*, **2007**, 49, 1609-1613	1.2	2

37	Miniaturized hairpin resonator filters using dielectric ceramic substrates. *Microwave and Optical Technology Letters*, **2008**, 50, 620-624	1.2	2
36	Planar compact, broad-stopband elliptic-function lowpass filters using high-permittivity ceramic substrate. *Microwave and Optical Technology Letters*, **2006**, 48, 1432-1436	1.2	2
35	Resistive switching characteristics of sol-gel derived La2Zr2O7 thin film for RRAM applications. *Journal of Alloys and Compounds*, **2022**, 899, 163294	5.7	2
34	Ultra-low temperature sintering and temperature stable microwave dielectrics of (Mg1-xZnx)V2O6 (x= 0□.09) Ceramics. *Journal of Asian Ceramic Societies*, **2021**, 9, 106-112	2.4	2
33	Effect of a minute substitution on the structure and microwave dielectric properties of novel LiCoVO4 ceramics for ULTCC applications. *Journal of Asian Ceramic Societies*,1-11	2.4	2
32	The Effects of Annealing Atmosphere on the Electrical Properties of MgNb2O6/ITO Heterostructures. *Journal of the American Ceramic Society*, **2015**, 98, 580-586	3.8	1
31	Microwave dielectric properties of Li2M2(MoO4)3 (M□=□Co, Ni) for LTCC applications. *International Journal of Ceramic Engineering & Science*, **2020**, 2, 130-139	2	1
30	Thin-Film Photoluminescent Properties and the Atomistic Model of Mg2TiO4 as a Non-rare Earth Matrix Material for Red-Emitting Phosphor. *Journal of Electronic Materials*, **2016**, 45, 6214-6221	1.9	1
29	Ultra low loss microwave dielectric properties of Non-stoichiometry [(Mg0.7Zn0.3)]0.95Co0.05]1+□[Ti1□Snx)O3+□ceramics. *Journal of the Ceramic Society of Japan*, **2014**, 122, 762-767	1	1
28	Miniaturization of ring resonator bandpass filters using dielectric ceramic substrates. *Microwave and Optical Technology Letters*, **2013**, 55, 660-663	1.2	1
27	Ultrawideband planar microstrip-fed monopole antenna. *Microwave and Optical Technology Letters*, **2007**, 49, 183-185	1.2	1
26	Wideband microstrip-fed planar monopole antenna. *Microwave and Optical Technology Letters*, **2007**, 49, 1377-1383	1.2	1
25	Compact cross-coupled hairpin filter design using ceramic substrates. *Microwave and Optical Technology Letters*, **2008**, 50, 1795-1800	1.2	1
24	Simplified multilayer ceramic planar filter for wireless communication system. *Microwave and Optical Technology Letters*, **2000**, 25, 233-235	1.2	1
23	Planar SIR microwave bandpass filter using high-permittivity ceramics. *Microwave and Optical Technology Letters*, **2000**, 26, 410-413	1.2	1
22	Microwave dielectric properties and microstructures of BaO modified CaO-Li2O-Sm2O3-TiO2 ceramics. *Journal of Materials Science Letters*, **2000**, 19, 2197-2199		1
21	Pseudoelliptic bandpass filter realization using attenuation pole resonator. *Microwave and Optical Technology Letters*, **1999**, 23, 275-277	1.2	1
20	Resistive switching characteristics of sol-gel derived ZrCeOx thin films for nonvolatile memory applications. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2022**, 277, 115605	3.1	1

19	Electrical properties and current conduction mechanisms of LaGdO3 thin film by RF sputtering for RRAM applications. *Journal of Asian Ceramic Societies*, **2020**, 8, 948-956	2.4	1
18	Band-pass filters using high-permittivity ceramics substrate. *Microwave and Optical Technology Letters*, **2010**, 52, 2344-2347	1.2	0
17	A compact-size circularly polarized antenna using low-loss alumina substrates. *Microwave and Optical Technology Letters*, **2006**, 48, 2317-2320	1.2	0
16	Influence of intrinsic and extrinsic factors on microwave dielectric properties of (Sr1-xMgx)V2O6 (x□0.01□0.09) ceramics for ULTCC applications. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2021**, 273, 115438	3.1	0
15	Ultra-low temperature sintering and microwave dielectric properties of Mg-substituted SrCoV2O7 ceramics. *Journal of Asian Ceramic Societies*, **2022**, 10, 188-195	2.4	0
14	Resistive switching properties of amorphous Sm2Ti2O7 thin film prepared by RF sputtering for RRAM applications. *Journal of Alloys and Compounds*, **2022**, 910, 164960	5.7	0
13	Microwave Dielectric Properties of Sintered Alumina Using Nano-Scaled Powders of □Alumina and TiO2 **2014**, 149-155		
12	Sintering temperature dependences of (1 − y)(Mg0.95Mn0.05)2(Ti0.95Sn0.05)O4–y(Ca0.6La0.8/3)TiO3 microwave dielectric ceramics with a zero temperature coefficient of resonant frequency. *Journal of the Ceramic Society of Japan*, **2015**, 123, 374-377	1	
11	Two-poles compact microstrip bandpass filter with sharp transition bands using high permittivity substrate. *Microwave and Optical Technology Letters*, **2012**, 54, 1683-1686	1.2	
10	End-coupled microstrip slow-wave resonator filtlers using high-permittivity ceramic substrate. *Microwave and Optical Technology Letters*, **2009**, 51, 1613-1615	1.2	
9	Microstrip ring resonator bandpass filters using ceramic substrate. *Microwave and Optical Technology Letters*, **2010**, 52, 218-220	1.2	
8	Planar monopole antenna with wideband operation. *Microwave and Optical Technology Letters*, **2007**, 49, 696-699	1.2	
7	A New Dielectric Material System of xLa(Mg1/2Ti1/2) O3(1□x) CaTiO3 at Microvave Frequency. *Materials Research Society Symposia Proceedings*, **2003**, 783, 5111		
6	Micr owave Dielectric Properties of (1-x)CaTiO3-xNd(Mg1/2Ti1/2)O3 Ceramics System. *Materials Research Society Symposia Proceedings*, **2003**, 783, 5131		
5	Microwave characteristics of CuO-doped Ba(Ni1/3Nb2/3)O3 dielectric resonators. *Journal of Materials Science Letters*, **2003**, 22, 209-212		
4	Design and fabrication of a miniature monoblock bandpass filter using high-permittivity ceramic. *Microwave and Optical Technology Letters*, **2001**, 31, 95-97	1.2	
3	BSST high-permittivity coaxial-type direct-coupling microwave ceramic bandpass filters. *Microwave and Optical Technology Letters*, **2000**, 26, 258-260	1.2	
2	The effects of zinc substitution on the electrical properties of MgNb2O6 thin films. *Journal of Asian Ceramic Societies*, **2021**, 9, 253-261	2.4	

1 The photoluminescence of single-phase warm white-light-emitting luminescence using CaSnO3: Ce3+/ Mn4+/ Dy3+ phosphors. *Journal of Asian Ceramic Societies*,1-12 2.4