Bin Tang

List of Publications by Year
in descending order

151 papers	2,965 citations	186265 28 h-index	254184 43 g-index
151 all docs	151 docs citations	151 times ranked	1092 citing authors

#	Article	IF	Citations
1	Novel Ca doped Sr0.7Bi0.2TiO3 lead-free relaxor ferroelectrics with high energy density and efficiency. Journal of the European Ceramic Society, 2020, 40, 1938-1946.	5.7	99
2	Improved dielectric breakdown strength and energy storage properties in Er2O3 modified Sr0.35Bi0.35K0.25TiO3. Chemical Engineering Journal, 2021, 403, 126290.	12.7	96
3	The co-crystal of TNT/CL-20 leads to decreased sensitivity toward thermal decomposition from first principles based reactive molecular dynamics. Journal of Materials Chemistry A, 2015, 3, 5409-5419.	10.3	89
4	Enhanced energy storage and fast charge-discharge properties of (1-x)BaTiO3-xBi(Ni1/2Sn1/2)O3 relaxor ferroelectric ceramics. Ceramics International, 2019, 45, 17580-17590.	4.8	80
5	Aliovalent Doping Engineering for A- and B-Sites with Multiple Regulatory Mechanisms: A Strategy to Improve Energy Storage Properties of Sr_{0.7}Bi_{0.2}TiO₃-Based Lead-Free Relaxor Ferroelectric Ceramics. ACS Applied Materials & Interfaces, 2021, 13, 24833-24855.	8.0	79
6	A new type of BaTiO3-based ceramics with Bi(Mg1/2Sn1/2)O3 modification showing improved energy storage properties and pulsed discharging performances. Journal of Alloys and Compounds, 2020, 819, 153004.	5.5	76
7	Temperature stable and high-Q microwave dielectric ceramics in the Li2Mg3âˆ’Ca TiO6 system (x=0.00â€“0.18). Ceramics International, 2017, 43, 1682-1687.	4.8	67
8	Structure, dielectric and relaxor properties of Sr0.7Bi0.2TiO3K0.5Bi0.5TiO3 lead-free ceramics for energy storage applications. Journal of Materiomics, 2021, 7, 195-207.	5.7	62
9	Structure and microwave dielectric properties of the Li_{2/3(1âˆ’<i>x</i>)}Sn_{1/3(1âˆ’<i>x</i>)}Mg_{<i>x</i>}O systems (<i>xÂ </i>=Â 0â€“4/7). Journal of the American Ceramic Society, 2018, 101, 252-264.	3.8	59
10	Structural dependence of microwave dielectric properties of spinel structured Mg2(Ti1-Sn)O4 solid solutions: Crystal structure refinement, Raman spectra study and complex chemical bond theory. Ceramics International, 2019, 45, 11639-11647.	4.8	54
11	Crystal structure, Raman spectroscopy and microwave dielectric properties of Ba3.75Nd9.5Ti18-(Al1/2Nb1/2) O54 ceramics. Journal of Alloys and Compounds, 2017, 723, 580-588.	5.5	49
12	Lattice evolution, ordering transformation and microwave dielectric properties of rock-salt Li3+xMg2â€“2xNb1-xTi2xO6 solid-solution system: A newly developed pseudo ternary phase diagram. Acta Materialia, 2021, 206, 116636.	7.9	48
13	Influence of Cr3+ substitution for Mg2+ on the crystal structure and microwave dielectric properties of CaMg1-xCr2x/3Si2O6 ceramics. Ceramics International, 2019, 45, 11484-11490.	4.8	46
14	Structural evolution and microwave dielectric properties of a novel Li₃Mg_{2âˆ’x/3}Nb_{1âˆ’2x/3}Ti_xO₆ system with a rock salt structure. Inorganic Chemistry Frontiers, 2018, 5, 3113-3125.	6.0	43
15	Phase evolution, structure and microwave dielectric properties of Li2+Mg3SnO6 (x = 0.00â€“0.12) ceramics. Ceramics International, 2017, 43, 13645-13652.	4.8	42
16	Excellent thermal stability, high efficiency and high power density of (Sr0.7Ba0.3)5LaNb7Ti3O30â€“based tungsten bronze ceramics. Journal of the European Ceramic Society, 2020, 40, 2366-2374.	5.7	42
17	Microwave dielectric properties and microstructure of Ba6âˆ’3xNd8+2xTi18âˆ’y(Cr1/2Nb1/2)yO54 ceramics. Journal of Alloys and Compounds, 2015, 646, 512-516.	5.5	41
18	Structure, bond characteristics and Raman spectra of CaMg1-Mn Si2O6 microwave dielectric ceramics. Ceramics International, 2019, 45, 14160-14166.	4.8	41

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19	Low temperature sintering of high permittivity Ca-Li-Nd-Ti microwave dielectric ceramics with BaCu(B2O5) additives. Journal of Alloys and Compounds, 2017, 693, 843-852.	5.5	40
20	Improved Highâ€<scp><scp>Q</scp></scp> Microwave Dielectric Ceramics in <scp><scp>CuO</scp></scp>â€Doped <scp><scp>BaTi</scp></scp>₄<scp><scp>O</scp></scp>₉â€“<scp><scp>BaZn</scp></scp>₂< System. Journal of the American Ceramic Society, 2012, 95, 1939-1943.	3.8	38
21	Aluminum substitution for titanium in Ba3.75Nd9.5Ti18O54 microwave dielectric ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 405-410.	2.2	37
22	Preparation and modification of high Curie point BaTiO3-based X9R ceramics. Journal of Electroceramics, 2010, 25, 93-97.	2.0	34
23	Microstructure and microwave dielectric properties of Na1/2Sm1/2TiO3 filled PTFE, an environmental friendly composites. Applied Surface Science, 2018, 436, 900-906.	6.1	34
24	Correlation between structures and microwave dielectric properties of Ba3.75Nd9.5-Sm Ti17.5(Cr1/2Nb1/2)0.5O54 ceramics. Journal of Alloys and Compounds, 2018, 740, 492-499.	5.5	34
25	Structureâ€“property relationships of perovskite-structured Ca0.61Nd0.26Ti1-(Cr0.5Nb0.5) O3 ceramics. Ceramics International, 2018, 44, 7384-7392.	4.8	33
26	Microwave dielectric properties of BaOâ€“2(1â˜'x)ZnOâ€“xNd2O3â€“4TiO2 (x=0â€“1.0) ceramics. Ceramics International, 2012, 38, 613-618.	4.8	31
27	Low temperature sintering and dielectric properties of Li2ZnTi3O8â€“TiO2 composite ceramics doped with CaOâ€“B2O3â€“SiO2 glass. Journal of Materials Science: Materials in Electronics, 2014, 25, 2780-2785.	2.2	30
28	Raman, complex chemical bond and structural studies of novel CaMg1-(Mn1/2Zn1/2) Si2O6 (x=0-0.1) ceramics. Ceramics International, 2019, 45, 23157-23163.	4.8	30
29	Temperature stable high-Q microwave dielectric ceramics in (1â˜'x)BaTi4O9â€“xBaZn2Ti4O11 system. Materials Letters, 2012, 67, 293-295.	2.6	29
30	The effect of rare-earth oxides on the energy storage performances in BaTiO3 based ceramics. Ceramics International, 2022, 48, 17359-17368.	4.8	29
31	The structure and properties of 0.95MgTiO3â€“0.05CaTiO3 ceramics doped with Co2O3. Journal of Materials Science, 2014, 49, 5850-5855.	3.7	28
32	High-Q microwave dielectric properties in the Na0.5Sm0.5TiO3Â+ Cr2O3 ceramics by one synthetic process. Journal of Alloys and Compounds, 2017, 705, 456-461.	5.5	28
33	Effects of (Cr0.5Ta0.5)4+ on structure and microwave dielectric properties of Ca0.61Nd0.26TiO3 ceramics. Ceramics International, 2018, 44, 7771-7779.	4.8	28
34	Improved Ductility of Boron Carbide by Microalloying with Boron Suboxide. Journal of Physical Chemistry C, 2015, 119, 24649-24656.	3.1	27
35	Effects of Lattice Evolution and Ordering on the Microwave Dielectric Properties of Tin-Modified Li₃Mg₂NbO₆-Based Ceramics. Journal of Physical Chemistry C, 2020, 124, 22069-22081.	3.1	27
36	A novel type of composite LTCC material for high flexural strength application. Journal of the European Ceramic Society, 2021, 41, 1342-1351.	5.7	27

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37	Preparation of pure MgTiO3 powders and the effect of the ZnNb2O6-dope onto the property of MgTiO3-based ceramics. Journal of Alloys and Compounds, 2010, 492, 461-465.	5.5	26
38	Structural and dielectric relaxor properties of (1â^'x)BaTiO3â€“xBi(Zn1/2Zr1/2)O3 ceramics for energy storage applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 2772-2782.	2.2	26
39	Low-temperature sintering mechanism and microwave dielectric properties of ZnAl2O4-LMZBS composites. Journal of Alloys and Compounds, 2019, 797, 744-753.	5.5	25
40	The structure evolution and microwave dielectric properties of MgAl2-x(Mg0Â·5Ti0.5)xO solid solutions. Ceramics International, 2020, 46, 19046-19051.	4.8	25
41	Synthesis and characterization of PTFE/(Na Li1-)0.5Nd0.5TiO3 composites with high dielectric constant and high temperature stability for microwave substrate applications. Ceramics International, 2019, 45, 22015-22021.	4.8	24
42	Intrinsic dielectric behavior of Mg2TiO4 spinel ceramic. Ceramics International, 2020, 46, 4235-4239.	4.8	24
43	A new lowâ€firing and highâ€Q microwave dielectric ceramic Li₉Zr₃NbO₁₃. Journal of the American Ceramic Society, 2018, 101, 2202-2207.	3.8	22
44	Ferroelectric-Relaxor Crossover and Energy Storage Properties in Sr₂NaNb₅O₁₅-Based Tungsten Bronze Ceramics. ACS Applied Materials & Interfaces, 2022, 14, 9318-9329.	8.0	22
45	Effect of TiO2 Ratio on the Phase and Microwave Dielectric Properties of Li2ZnTi3+x O8+2x Ceramics. Journal of Electronic Materials, 2014, 43, 1107-1111.	2.2	21
46	Microwave dielectric properties of H3BO3-doped Ca0.61La0.39Al0.39Ti0.61O3 ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 300-306.	2.2	21
47	Microstructure and Microwave Dielectric Properties of Ba3.75Nd9.5Ti18â^'z (Mg1/3Nb2/3) z O54 Ceramics. Journal of Electronic Materials, 2015, 44, 1081-1087.	2.2	21
48	Relationships between Sn substitution for Ti and microwave dielectric properties of Mg2(Ti1â^'xSnx)O4 ceramics system. Journal of Materials Science: Materials in Electronics, 2015, 26, 571-577.	2.2	21
49	Influence of Li2Oâ€“B2O3â€“SiO2 glass on the sintering behavior and microwave dielectric properties of BaOâ€“0.15ZnOâ€“4TiO2 ceramics. Ceramics International, 2016, 42, 7943-7949.	4.8	21
50	Microwave dielectric characteristics of high permittivity Ca0.35Li0.25Nd0.35Ti1-(Zn1/3Ta2/3) O3 ceramics (x = 0.00â€“0.12). Ceramics International, 2019, 45, 8600-8606.	4.8	21
51	A new series of low-loss multicomponent oxide microwave dielectrics with a rock salt structure: Li5MgABO8 (A=Ti, Sn; B=Nb, Ta). Ceramics International, 2020, 46, 10332-10340.	4.8	21
52	Characterization of structure, chemical bond and microwave dielectric properties in Ca0.61Nd0.26TiO3 ceramic substituted by chromium for titanium. Journal of Alloys and Compounds, 2020, 835, 155249.	5.5	21
53	The influence of Cu substitution on the microwave dielectric properties of BaZn2Ti4O11 ceramics. Journal of Alloys and Compounds, 2013, 551, 463-467.	5.5	20
54	Effects of coupling agent on dielectric properties of PTFE based and Li2Mg3TiO6 filled composites. Ceramics International, 2019, 45, 20458-20464.	4.8	20

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55	A Novel Approach to BaTiO3-based X8R Ceramics by Calcium Borosilicate Glass Ceramic Doping. Journal of Electronic Materials, 2007, 36, 1389-1394.	2.2	19
56	Ilmenite-type MgTiO3 ceramics by complex (Mn1/2W1/2)4+ cation co-substitution producing improved microwave characteristics. Ceramics International, 2021, 47, 21388-21397.	4.8	19
57	Novel lead-free (1-x)Sr0.7Bi0.2TiO3-xLa(Mg0.5Zr0.5)O3 energy storage ceramics with high charge-discharge and excellent temperature-stable dielectric properties. Ceramics International, 2021, 47, 26215-26223.	4.8	19
58	Densification, flexural strength and dielectric properties of CaO-MgO-ZnO-SiO2/Al2O3 glass ceramics for LTCC applications. Ceramics International, 2021, 47, 28904-28912.	4.8	18
59	Doping effects of Mn2+ on the dielectric properties of glass-doped BaTiO3-based X8R materials. Journal of Materials Science: Materials in Electronics, 2007, 18, 541-545.	2.2	17
60	Microwave dielectric properties of (1â€<i>x</i>)Ba_{3.75}Nd_{9.5}Cr_{0.25}Nb_{0.25}Ti_{17.5}O₅₄â€“<s ceramics. Journal of the American Ceramic Society, 2017, 100, 4058-4065.	3.8	17
61	Evaluation of surface treatment on Li2Mg3SnO6 ceramic powders and the application of Li2Mg3SnO6 powders filled polytetrafluoroethylene composites. Applied Surface Science, 2018, 456, 637-644.	6.1	17
62	Influence of Baâ€“Znâ€“B additives on the sintering behavior and dielectric properties of BaNd2Ti4O12 ceramics. Materials Letters, 2012, 68, 486-489.	2.6	16
63	The shrinking process and microwave dielectric properties of BaCu(B2O5)-added 0.85BaTi4O9â€“0.15BaZn2Ti4O11 ceramics. Materials Research Bulletin, 2015, 66, 163-168.	5.2	16
64	Suppression of Ti3+ generation in Ba3.75Nd9.5Ti17.5M0.5O54 (M = Cu, Cr, Al, Mn) ceramics. Ceramics International, 2018, 44, 19058-19062.	4.8	16
65	Lowâ€fire processing and microwave dielectric properties of LB glassâ€doped Ba_{3.75}Nd_{9.5}Ti_{17.5}(Cr_{0.5}Nb_{0.5})_{0.5}O₅₄ ceramic. Journal of the American Ceramic Society, 2021, 104, 1726-1739.	3.8	16
66	Effect of ZnO ratio on sintering behavior and microwave dielectric properties of BaOâ€“ZnOâ€“TiO2 ceramics. Journal of Alloys and Compounds, 2010, 505, 814-817.	5.5	15
67	The effect of Mg:Ti ratio on the phase composition and microwave dielectric properties of MgTiO3 ceramics prepared by one synthetic process. Journal of Materials Science: Materials in Electronics, 2014, 25, 2482-2486.	2.2	15
68	Effects of Mg2.05SiO4.05 addition on phase structure and microwave properties of MgTiO3â€“CaTiO3 ceramic system. Materials Letters, 2015, 145, 30-33.	2.6	15
69	Effects of compound coupling agents on the properties of PTFE/SiO2 microwave composites. Journal of Materials Science: Materials in Electronics, 2017, 28, 3356-3363.	2.2	15
70	NiNb₂O₆â€BaTiO₃ Ceramics for Energyâ€Storage Capacitors. Energy Technology, 2018, 6, 899-905.	3.8	15
71	Effects of MgO doping on microwave dielectric properties of yttrium aluminum garnet ceramics. Journal of Alloys and Compounds, 2021, 858, 158139.	5.5	15
72	Characterization of structure and properties in CaO-Nd2O3-TiO2 microwave dielectric ceramic modified by Al2O3. Materials Characterization, 2021, 176, 111108.	4.4	15

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73	Regression Analysis for Complex Doping of X8R Ceramics Based on Uniform Design. Journal of Electronic Materials, 2007, 36, 1383-1388.	2.2	14
74	Influence of CaZrO3 on dielectric properties and microstructures of BaTiO3-based X8R ceramics. Science in China Series D: Earth Sciences, 2008, 51, 1451-1456.	0.9	14
75	Phase structure and microwave dielectric properties of Zr(Zn1/3Nb2/3)xTi2âˆ’xO6 (0.2Ââ‰ÂxÂâ‰Â0.8) ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 1475-1479.	2.2	14
76	Dependence of microwave dielectric properties on site substitution in Ba3.75Nd9.5Ti18O54 ceramic. Journal of Materials Science: Materials in Electronics, 2016, 27, 10951-10957.	2.2	14
77	Nb-Doped 0.8BaTiO3-0.2Bi(Mg0.5Ti0.5)O3 Ceramics with Stable Dielectric Properties at High Temperature. Crystals, 2017, 7, 168.	2.2	14
78	First principles predicting enhanced ductility of boride carbide through magnesium microalloying. Journal of the American Ceramic Society, 2019, 102, 5514-5523.	3.8	14
79	Strengthening boron carbide through lithium dopant. Journal of the American Ceramic Society, 2020, 103, 2012-2023.	3.8	14
80	Polytetrafluoroethylene based, F8261 modified realization of Li2SnMg0.5O3.5 filled composites. Applied Surface Science, 2020, 503, 144088.	6.1	14
81	Lowâ€temperature sintering of CaMgSi2O6-KBS composites with ultralow dielectric constant. Ceramics International, 2020, 46, 17818-17824.	4.8	14
82	Effects of adding TEOS on sintering process, morphology and microwave dielectric properties of Y3Al5O12 ceramics. Ceramics International, 2021, 47, 12826-12832.	4.8	14
83	Phase composition, microstructure, and microwave dielectric properties of non-stoichiometric yttrium aluminum garnet ceramics. Journal of the European Ceramic Society, 2022, 42, 472-477.	5.7	14
84	Low-temperature firing and microwave dielectric properties of Baâ€"Ndâ€"Ti with composite doping Liâ€"Bâ€"Si and Baâ€"Znâ€"B glasses. Journal of Materials Science: Materials in Electronics, 2016, 27, 8428-8432.	2.2	13
85	The dielectric constant and quality factor calculation of the microwave dielectric ceramic solid solutions. Ceramics International, 2017, 43, 7383-7386.	4.8	13
86	Microwave dielectric properties of Ba(Co0.56Y0.04Zn0.35)1/3Nb2/3+x O3(xÂ=Ââˆ'0.004Â~Â0.008) ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 6585-6591.	2.2	12
87	Different Additives Doped Caâ€"Ndâ€"Ti Microwave Dielectric Ceramics with Distorted Oxygen Octahedrons and High <i>Q</i> Ã— <i>f</i> Value. ACS Omega, 2018, 3, 11033-11040.	3.5	12
88	Influence of Mn2+ introduction on microwave dielectric properties of CaMgSi2O6 ceramic. Ceramics International, 2019, 45, 24425-24430.	4.8	12
89	Effect of Zn2+ substitution for Mg2+ in Li3Mg2SbO6 and the impact on the bond characteristics and microwave dielectric properties. Journal of Alloys and Compounds, 2020, 832, 155043.	5.5	12
90	Effects of LiF on crystal structure, cation distributions and microwave dielectric properties of MgAl2O4. Journal of Alloys and Compounds, 2021, 886, 161278.	5.5	12

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91	Microwave Dielectric Properties of TiO2-Added Li2ZnTi3O8 Ceramics Doped with Li2O-Al2O3-B2O3 Glass. Journal of Electronic Materials, 2015, 44, 281-286.	2.2	11
92	Characterization of structural and electrical properties of Ca0.61Nd0.26TiO3 ceramic tailored by complex ions (Al0.5Nb0.5)4+. Journal of Alloys and Compounds, 2022, 899, 163234.	5.5	11
93	Influence of Sn-substitution on microstructure and microwave dielectric properties of Na1/2Nd1/2TiO3 ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 424-428.	2.2	10
94	Influence of CeO2 on microstructure and microwave dielectric properties of Na1/2Sm1/2TiO3 ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 1913-1919.	2.2	10
95	Determining the Quality Factor of Dielectric Ceramic Mixtures with Dielectric Constants in the Microwave FrequencyÂRange. Scientific Reports, 2017, 7, 14120.	3.3	10
96	The Influence of Sintering Temperature on the Microwave Dielectric Properties of Mg2SiO4 Ceramics with CaO-B2O3-SiO2 Addition. Journal of Electronic Materials, 2017, 46, 1048-1054.	2.2	10
97	Microwave dielectric properties of Ba3.75Nd9.5Ti18â^'zCr4z/3O54 ceramics. Journal of Materials Science: Materials in Electronics, 2018, 29, 535-540.	2.2	10
98	Fabrication of 0.8BaTi4O9-0.2BaZn2Ti4O11 filled and glassfiber reinforced polytetrafluoroethylene composites with near-zero temperature coefficient of dielectric constant. Journal of Alloys and Compounds, 2018, 769, 1034-1041.	5.5	10
99	Phase composition, crystal structure, and microwave dielectric properties of Nb-doped and Y-deficient yttrium aluminum garnet ceramics. Journal of the European Ceramic Society, 2022, 42, 5705-5711.	5.7	10
100	Influence of tetragonality and secondary phase on the Curie temperature for barium titanate ceramics. Journal of Materials Science: Materials in Electronics, 2008, 19, 1109-1113.	2.2	9
101	Preparation and properties of low temperature sintered CaO-B2O3-SiO2 microwave dielectric ceramics using the solid-state reaction. Materials Science-Poland, 2013, 31, 404-409.	1.0	9
102	Phase structure and microwave dielectric properties of Mn-doped (1â^'x)ZrTi2O6â€"xZnNb2O6(xÂ=Â0.13â€"0.53) ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 418-422.	2.2	9
103	Microstructures and Microwave Dielectric Properties of Na0.5Nd0.2Sm0.3Ti1â^'x Sn x O3 Ceramics (xÂ=Â0.00 to 0.50). Journal of Electronic Materials, 2015, 44, 4236-4242.	2.2	9
104	Influence of Laâ€"Bâ€"Zn glass on the sintering and microwave dielectric properties of Caâ€"Ndâ€"Ti ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 3164-3169.	2.2	9
105	Effects of (Na1/2Nd1/2)TiO3 on the microstructure and microwave dielectric properties of PTFE/ceramic composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 20680-20687.	2.2	9
106	Microwave dielectric properties of Li₂Oâ€"<i>x</i>MgOâ€"ZnOâ€"B₂O₃â€"SiO₂ glass-ceramics (<i>x</i> = 30â€"50 wt.%). Journal of the Ceramic Society of Japan, 2018, 126, 163-169.	1.1	9
107	Composite dielectrics (1â^'x)(Mg0.97Zn0.03)2(Ti0.95Sn0.05)O4â^'xCaTiO3 suitable for microwave applications. Journal of Materials Science: Materials in Electronics, 2014, 25, 3318-3323.	2.2	8
108	Microwave dielectric properties of bismuth-substituted Ba3.75Nd9.5Ti17Al4/3O54 ceramics. Applied Physics A: Materials Science and Processing, 2015, 121, 283-287.	2.3	8

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109	Microwave Dielectric Properties of Aluminumâ€Substituted Ba_{6âˆ’3<i>x</i>}Nd_{8+2<i>x</i>}Ti₁₈O₅₄ Ceramics. International Journal of Applied Ceramic Technology, 2016, 13, 564-568.	2.1	8
110	Microwave dielectric properties of aluminum substituted Ca_{0.61}Nd_{0.26}TiO₃ ceramics. Journal of the Ceramic Society of Japan, 2016, 124, 903-906.	1.1	8
111	A novel formula for the quality factor calculation for the multiphase microwave dielectric ceramic mixtures. Journal of the European Ceramic Society, 2017, 37, 3347-3352.	5.7	8
112	Temperature compensating microwave dielectric based on the (Mg0.97Co0.03)2(Ti0.95Sn0.05)O4â€“CaTiO3 ceramic system. Journal of Materials Science: Materials in Electronics, 2014, 25, 717-722.	2.2	7
113	Low-temperature sintering of Ba0.75Sr0.25 (Nd0.75Bi0.25)2Ti4O12 microwave ceramics with La2O3â€“B2O3â€“ZnOâ€“CaO additive. Journal of Materials Science: Materials in Electronics, 2015, 26, 8017-8021.	2.2	7
114	Effects of Bâ€site Substitution on Microwave Dielectric Properties of Ba_{6âˆ’3<i>x</i>}Nd_{8+2<i>x</i>} [Ti_{1âˆ’<i>z</i>} (Ni_{1/3}Nb_{2/3})_{<i>z</i>}] ₁₈O₅₄ Ceramics. International Journal of Applied Ceramic Technology, 2015, 12, E170.	2.1	7
115	The observation and prediction of constant quality factors of LnAlO3 doped Ba6-3Ln8+2Ti18O54 (Ln =) Tj ETQq1 1 0.784314 rgBT /Ove	4.8	7
116	Shearâ€induced brittle failure of titanium carbide from quantum mechanics simulations. Journal of the American Ceramic Society, 2018, 101, 4184-4192.	3.8	7
117	A new low-loss microwave dielectric ceramic GaNbO 4. Journal of Alloys and Compounds, 2018, 759, 80-84.	5.5	7
118	Newly developed polytetrafluoroethylene composites based on F8261-modified Li2Mg2.88Ca0.12TiO6 powder. Journal of Alloys and Compounds, 2019, 803, 145-152.	5.5	7
119	Enhanced strength and ductility of superhard boron carbide through injecting electrons. Journal of the European Ceramic Society, 2020, 40, 4428-4435.	5.7	7
120	Co-effects of Nb2O5 and stoichiometric deviations on the microwave dielectric properties of Y3Al5O12. Ceramics International, 2022, 48, 18651-18657.	4.8	7
121	Microwave dielectric properties of low-fired Li2ZnTi3O8â€“TiO2 composite ceramics with Li2WO4 addition. Journal of Materials Science: Materials in Electronics, 2015, 26, 1181-1185.	2.2	6
122	Structure and microwave dielectric properties of (Zn0.3Co0.7)Ti1âˆ’xSnxO3 ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 2795-2799.	2.2	6
123	Effects of Zr-Substitution on Microwave Dielectric Properties of Na0.5Nd0.2Sm0.3Ti1âˆ’x Zr x O3 Ceramics (xÂ=Â0.00Ââˆ¼Â0.30). Journal of Electronic Materials, 2016, 45, 5198-5205.	2.2	6
124	Low-temperature sintering and microwave dielectric properties of BaOâ€“0.15ZnOâ€“4TiO2 ceramics with Li2Oâ€“B2O3â€“SiO2 addition. Journal of Materials Science: Materials in Electronics, 2016, 27, 6902-6910.	2.2	6
125	Effects of Li2ZnTi3O8 addition on sintering behavior and microwave dielectric properties of the MgTiO3â€“CaTiO3 ceramic system. Journal of Materials Science: Materials in Electronics, 2018, 29, 3836-3839.	2.2	6
126	Preparation and characterization of Ba0.2Sr0.8La4Ti4+xO15 microwave dielectric ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 2719-2725.	2.2	5

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127	A new niobate-based CaOâ€“2CuOâ€“Nb2O5 microwave dielectric ceramic composite for LTCC applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 4533-4537.	2.2	5
128	Chemically Modulating the Twist Rate of Helical van der Waals Crystals. Chemistry of Materials, 2020, 32, 299-307.	6.7	5
129	Low Temperature Sintering of BaOâ€“ZnOâ€“TiO₂ Ceramics for LTCC Applications. Advanced Materials Research, 2012, 476-478, 917-922.	0.3	4
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131	The optimization of microwave dielectric properties of the Li2ZnTi3O8 ceramic by the phase purity control. Journal of Materials Science: Materials in Electronics, 2018, 29, 19791-19797.	2.2	4
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