Di Zhou

List of Publications by Citations

228	7,089	45	72
papers	citations	h-index	g-index
237	9,303	5.3	6.56
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
228	Ultrahigh energy storage density lead-free multilayers by controlled electrical homogeneity. *Energy and Environmental Science*, **2019**, 12, 582-588	35.4	239
227	Bismuth ferrite-based lead-free ceramics and multilayers with high recoverable energy density. *Journal of Materials Chemistry A*, **2018**, 6, 4133-4144	13	232
226	Novel barium titanate based capacitors with high energy density and fast discharge performance. *Journal of Materials Chemistry A*, **2017**, 5, 19607-19612	13	195
225	High permittivity and low loss microwave dielectrics suitable for 5G resonators and low temperature co-fired ceramic architecture. *Journal of Materials Chemistry C*, **2017**, 5, 10094-10098	7.1	186
224	Microwave Dielectric Properties of Li2WO4 Ceramic with Ultra-Low Sintering Temperature. *Journal of the American Ceramic Society*, **2011**, 94, 348-350	3.8	158
223	Microwave Dielectric Ceramics in Li2O–Bi2O3–MoO3 System with Ultra-Low Sintering Temperatures. *Journal of the American Ceramic Society*, **2010**, 93, 1096-1100	3.8	153
222	Novel temperature stable high-ε microwave dielectrics in the Bi2O3–TiO2–V2O5 system. *Journal of Materials Chemistry C*, **2016**, 4, 5357-5362	7.1	151
221	High Energy Storage Density and Large Strain in Bi(Zn2/3Nb1/3)O3-Doped BiFeO3–BaTiO3 Ceramics. *ACS Applied Energy Materials*, **2018**, 1, 4403-4412	6.1	138
220	Electroceramics for High-Energy Density Capacitors: Current Status and Future Perspectives. *Chemical Reviews*, **2021**, 121, 6124-6172	68.1	129
219	Influence of Ce substitution for Bi in BiVO4 and the impact on the phase evolution and microwave dielectric properties. *Inorganic Chemistry*, **2014**, 53, 1048-55	5.1	124
218	Bi2O3–MoO3 Binary System: An Alternative Ultralow Sintering Temperature Microwave Dielectric. *Journal of the American Ceramic Society*, **2009**, 92, 2242-2246	3.8	117
217	Microwave dielectric properties of low firing temperature stable scheelite structured (Ca,Bi)(Mo,V)O4 solid solution ceramics for LTCC applications. *Journal of the European Ceramic Society*, **2019**, 39, 2365-2373	6	111
216	Ultrahigh enhancement rate of the energy density of flexible polymer nanocomposites using core–shell BaTiO3@MgO structures as the filler. *Journal of Materials Chemistry A*, **2020**, 8, 11124-11132	13	101
215	BiFeO3-BaTiO3: A new generation of lead-free electroceramics. *Journal of Advanced Dielectrics*, **2018**, 08, 1830004	1.3	100
214	Enhanced energy storage density by inducing defect dipoles in lead free relaxor ferroelectric BaTiO3-based ceramics. *Applied Physics Letters*, **2017**, 110, 132902	3.4	99
213	Structure–property relationships of low sintering temperature scheelite-structured (1 − x)BiVO4–xLaNbO4 microwave dielectric ceramics. *Journal of Materials Chemistry C*, **2017**, 5, 2695-2701	7.1	96
212	BiVO4 based high k microwave dielectric materials: a review. *Journal of Materials Chemistry C*, **2018**, 6, 9290-9313	7.1	92

211	Microwave Dielectric Properties of Low-Firing Li2MO3 (M=Ti, Zr, Sn) Ceramics with B2O3–CuO Addition. *Journal of the American Ceramic Society*, **2010**, 93, 3614-3617	3.8	92
210	Temperature stable Li2Ti0.75(Mg1/3Nb2/3)0.25O3-based microwave dielectric ceramics with low sintering temperature and ultra-low dielectric loss for dielectric resonator antenna applications. *Journal of Materials Chemistry C*, **2020**, 8, 4690-4700	7.1	90
209	Significantly enhanced electrostatic energy storage performance of P(VDF-HFP)/BaTiO3-Bi(Li0.5Nb0.5)O3 nanocomposites. *Nano Energy*, **2020**, 78, 105247	17.1	88
208	Microwave Dielectric Properties of Low Temperature Firing Bi2Mo2O9 Ceramic. *Journal of the American Ceramic Society*, **2008**, 91, 3419-3422	3.8	83
207	Microwave dielectric properties of temperature-stable zircon-type (Bi, Ce)VO4 solid solution ceramics. *Journal of the American Ceramic Society*, **2020**, 103, 423-431	3.8	80
206	Trace H2 O2 -Assisted High-Capacity Tungsten Oxide Electrochromic Batteries with Ultrafast Charging in Seconds. *Angewandte Chemie - International Edition*, **2016**, 55, 7161-5	16.4	79
205	Modification of NdNbO4 microwave dielectric ceramic by Bi substitutions. *Journal of the American Ceramic Society*, **2019**, 102, 2278-2282	3.8	76
204	Phase transition, Raman spectra, infrared spectra, band gap and microwave dielectric properties of low temperature firing (Na0.5xBi1−0.5x)(MoxV1−x)O4 solid solution ceramics with scheelite structures. *Journal of Materials Chemistry*, **2011**, 21, 18412		75
203	High Quality Factor, Ultralow Sintering Temperature Li6B4O9Microwave Dielectric Ceramics with Ultralow Density for Antenna Substrates. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 11138-11143	8.3	74
202	Microwave Dielectric Properties of Li2(M2+)2Mo3O12 and Li3(M3+)Mo3O12 (M=Zn, Ca, Al, and In) Lyonsite-Related-Type Ceramics with Ultra-Low Sintering Temperatures. *Journal of the American Ceramic Society*, **2011**, 94, 802-805	3.8	73
201	BaTiO3–Bi(Li0.5Ta0.5)O3, Lead-Free Ceramics, and Multilayers with High Energy Storage Density and Efficiency. *ACS Applied Energy Materials*, **2018**, 1, 5016-5023	6.1	72
200	Investigation of AC-Measurements of Epoxy/Ferrite Composites. *Nanomaterials*, **2020**, 10,	5.4	71
199	Phase composition, crystal structure, infrared reflectivity and microwave dielectric properties of temperature stable composite ceramics (scheelite and zircon-type) in BiVO4–VO4 system. *Journal of Materials Chemistry C*, **2015**, 3, 2582-2588	7.1	70
198	Cold-Sintered Temperature Stable Na0.5Bi0.5MoO4–Li2MoO4 Microwave Composite Ceramics. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 2438-2444	8.3	65
197	Phase evolution, phase transition, and microwave dielectric properties of scheelite structured xBi(Fe1/3Mo2/3)O4–(1−x)BiVO4 (0.0 ≤ x ≤ 1.0) low temperature firing ceramics. *Journal of Materials Chemistry*, **2012**, 22, 21412		61
196	Effect of ZnO and B2O3 on the sintering temperature and microwave dielectric properties of LiNb0.6Ti0.5O3 ceramics. *Materials Chemistry and Physics*, **2008**, 109, 510-514	4.4	61
195	Microwave dielectric properties of (1−x)ZnMoO4–xTiO2 composite ceramics. *Journal of Alloys and Compounds*, **2011**, 509, 5863-5865	5.7	60
194	Infrared spectra, Raman spectra, microwave dielectric properties and simulation for effective permittivity of temperature stable ceramics AMoO4-TiO2 (A = Ca, Sr). *Dalton Transactions*, **2013**, 42, 1483-91	4.3	58

193	Microwave Dielectric Characterization of a Li3NbO4 Ceramic and Its Chemical Compatibility with Silver. *Journal of the American Ceramic Society*, **2008**, 91, 4115-4117	3.8	57
192	Ultra-Low Firing High-k Scheelite Structures Based on [(Li0.5Bi0.5)xBi1−x][MoxV1−x]O4 Microwave Dielectric Ceramics. *Journal of the American Ceramic Society*, **2010**, 93, 2147-2150	3.8	52
191	Design of a High-Efficiency and -Gain Antenna Using Novel Low-Loss, Temperature-Stable LiTi-(CuNb)O Microwave Dielectric Ceramics. *ACS Applied Materials & Interfaces*, **2021**, 13, 912-923	9.5	52
190	Ferroelastic phase transition compositional dependence for solid-solution [(Li0.5Bi0.5)xBi1−x][MoxV1−x]O4 scheelite-structured microwave dielectric ceramics. *Acta Materialia*, **2011**, 59, 1502-1509	8.4	50
189	Phase evolution, phase transition, raman spectra, infrared spectra, and microwave dielectric properties of low temperature firing (K(0.5x)Bi(1-0.5x))(Mo(x)V(1-x))O4 ceramics with scheelite related structure. *Inorganic Chemistry*, **2011**, 50, 12733-8	5.1	49
188	Vibrational spectroscopy and microwave dielectric properties of AY2Si3O10 (A=Sr, Ba) ceramics for 5G applications. *Ceramics International*, **2020**, 46, 1171-1177	5.1	49
187	BaTiO3-Based Multilayers with Outstanding Energy Storage Performance for High Temperature Capacitor Applications. *ACS Applied Energy Materials*, **2019**, 2, 5499-5506	6.1	48
186	Microwave dielectric properties of (ABi)1/2MoO4 (A=Li, Na, K, Rb, Ag) type ceramics with ultra-low firing temperatures. *Materials Chemistry and Physics*, **2011**, 129, 688-692	4.4	48
185	Structural and spectroscopic properties of self-activated monoclinic molybdate BaSm2(MoO4)4. *Journal of Alloys and Compounds*, **2017**, 729, 843-849	5.7	47
184	Crystal Structure, Infrared Spectra, and Microwave Dielectric Properties of Temperature-Stable Zircon-Type (Y,Bi)VO Solid-Solution Ceramics. *ACS Omega*, **2016**, 1, 963-970	3.9	46
183	Novel water insoluble (NaxAg2−x)MoO4 (0 ⩽ x ⩽ 2) microwave dielectric ceramics with spinel structure sintered at 410 degrees. *Journal of Materials Chemistry C*, **2017**, 5, 6086-6091	7.1	45
182	Phase transformation in BiNbO4 ceramics. *Applied Physics Letters*, **2007**, 90, 172910	3.4	45
181	The Effect of Heat Treatment on the Microstructure and Mechanical Properties of 2D Nanostructured Au/NiFe System. *Nanomaterials*, **2020**, 10,	5.4	43
180	Synthesis and Microwave Dielectric Properties of Zn3B2O6 Ceramics for Substrate Application. *Journal of the American Ceramic Society*, **2012**, 95, 1793-1795	3.8	42
179	Temperature stable microwave dielectric ceramic 0.3Li2TiO3–0.7Li(Zn0.5Ti1.5)O4 with ultra-low dielectric loss. *Materials Letters*, **2011**, 65, 2680-2682	3.3	41
178	Structure, spectral analysis and microwave dielectric properties of novel x(NaBi)0.5MoO4-(1-x)Bi2/3MoO4 (x = 0.2 ~ 0.8) ceramics with low sintering temperatures. *Journal of the European Ceramic Society*, **2020**, 40, 3569-3576	6	41
177	Low temperature firing microwave dielectric ceramics (K0.5Ln0.5)MoO4 (Ln = Nd and Sm) with low dielectric loss. *Journal of the European Ceramic Society*, **2011**, 31, 2749-2752	6	40
176	Cold-Sintered C0G Multilayer Ceramic Capacitors. *Advanced Electronic Materials*, **2019**, 5, 1900025	6.4	38

175	Phase Evolution, Crystal Structure, and Microwave Dielectric Properties of Water-Insoluble (1 - x)LaNbO-xLaVO (0 x 0.9) Ceramics. *Inorganic Chemistry*, **2017**, 56, 9321-9329	5.1	38
174	An ultra-broadband terahertz metamaterial coherent absorber using multilayer electric ring resonator structures based on anti-reflection coating. *Nanoscale*, **2020**, 12, 9769-9775	7.7	36
173	Crystal structure and microwave dielectric behaviors of ultra-low-temperature fired x(Ag(0.5)Bi(0.5))MoO(1 - x)BiVO(0.0 x 1.0) solid solution with scheelite structure. *Inorganic Chemistry*, **2014**, 53, 9222-7	5.1	36
172	Microwave Dielectric Ceramics Li2MO4TiO2 (M=Mo, W) with Low Sintering Temperatures. *Journal of the American Ceramic Society*, **2014**, 97, 1819-1822	3.8	36
171	Preparation and Microwave Dielectric Properties of Ultra-low Temperature Sintering Ceramics in K2OMoO3 Binary System. *Journal of the American Ceramic Society*, **2014**, 97, 241-245	3.8	36
170	A new temperature stable microwave dielectric with low-firing temperature in Bi2MoO6TiO2 system. *Journal of Alloys and Compounds*, **2010**, 493, 626-629	5.7	35
169	Crystal structure, impedance and broadband dielectric spectra of ordered scheelite-structured Bi(Sc1/3Mo2/3)O4 ceramic. *Journal of the European Ceramic Society*, **2018**, 38, 1556-1561	6	34
168	Raman Spectra, Infrared Spectra, and Microwave Dielectric Properties of Low-Temperature Firing [(Li0.5Ln0.5)1xCax]MoO4 (Ln=Sm and Nd) Solid Solution Ceramics with Scheelite Structure. *Journal of the American Ceramic Society*, **2015**, 98, 587-593	3.8	34
167	Boosting photocatalytic activities of BiVO4 by creation of g-C3N4/ZnO@BiVO4 Heterojunction. *Materials Research Bulletin*, **2020**, 125, 110779	5.1	34
166	Structure-property relationships of novel microwave dielectric ceramics with low sintering temperatures: (Na(0.5x)Bi(0.5x)Ca(1-x))MoO(4). *Dalton Transactions*, **2014**, 43, 11888-96	4.3	32
165	Microwave and Infrared Dielectric Response of Temperature Stable (1x)BaMoO4xTiO2 Composite Ceramics. *Journal of the American Ceramic Society*, **2012**, 95, 232-237	3.8	32
164	Novel water-assisting low firing MoO3 microwave dielectric ceramics. *Journal of the European Ceramic Society*, **2019**, 39, 2374-2378	6	31
163	Sintering Behavior and Dielectric Properties of Ultra-Low Temperature Fired Silver Molybdate Ceramics. *Journal of the American Ceramic Society*, **2014**, 97, 3597-3601	3.8	31
162	Cold sintered CaTiO3-K2MoO4 microwave dielectric ceramics for integrated microstrip patch antennas. *Applied Materials Today*, **2020**, 18, 100519	6.6	31
161	Enhanced energy storage properties achieved in Na0.5Bi0.5TiO3-based ceramics via composition design and domain engineering. *Chemical Engineering Journal*, **2021**, 419, 129601	14.7	31
160	Synthesis, structure, and characterization of new low-firing microwave dielectric ceramics: (Ca1xBi2x)MoO4. *Journal of Materials Chemistry C*, **2014**, 2, 7364-7372	7.1	30
159	Ln2Mo3O12 (Ln=La, Nd): A novel group of low loss microwave dielectric ceramics with low sintering temperature. *Materials Letters*, **2011**, 65, 164-166	3.3	30
158	Crystal Structure and Microwave Dielectric Properties of an Ultralow-Temperature-Fired (AgBi)0.5WO4 Ceramic. *European Journal of Inorganic Chemistry*, **2014**, 2014, 296-301	2.3	29

157	Phase evolution and microwave dielectric properties of xBi(2/3)MoO (1 -x)BiVO (0.0 x 1.0) low temperature firing ceramics. *Dalton Transactions*, **2014**, 43, 7290-7	4.3	29
156	Structure, Infrared Reflectivity and Microwave Dielectric Properties of (Na0.5La0.5)MoO4 (Na0.5Bi0.5)MoO4 Ceramics. *Journal of the American Ceramic Society*, **2016**, 99, 2083-2088	3.8	29
155	Ni substitution effect on the structure, magnetization, resistivity and permeability of zinc ferrites. *Journal of Materials Chemistry C*, **2021**, 9, 5425-5436	7.1	29
154	Low-temperature sintering and microwave dielectric properties of Li3MO4 (M = Ta, Sb) ceramics. *Journal of Alloys and Compounds*, **2012**, 525, 22-24	5.7	28
153	Pseudo Phase Diagram and Microwave Dielectric Properties of Li2O MgO TiO2 Ternary System. *Journal of the American Ceramic Society*, **2016**, 99, 3645-3650	3.8	27
152	Dielectric Properties of an Ultra-Low-Temperature Cofiring Bi2Mo2O9 Multilayer. *Journal of the American Ceramic Society*, **2010**, 93, 1443	3.8	26
151	Low temperature firing of BiSbO4 microwave dielectric ceramic with B2O3 CuO addition. *Journal of the European Ceramic Society*, **2009**, 29, 1543-1546	6	26
150	Microwave Dielectric Properties Trends in a Solid Solution (Bi1 Lnx)2Mo2O9 (Ln=La, Nd, 0.0 0.2) System. *Journal of the American Ceramic Society*, **2009**, 92, 2931-2936	3.8	25
149	Temperature stable K0.5(Nd1 Bix)0.5MoO4 microwave dielectrics ceramics with ultra-low sintering temperature. *Journal of the American Ceramic Society*, **2018**, 101, 1806-1810	3.8	25
148	Microwave Dielectric Properties of (Li0.5Ln0.5)MoO4 (Ln = Nd, Er, Gd, Y, Yb, Sm, and Ce) Ceramics. *Journal of the American Ceramic Society*, **2015**, 98, 130-135	3.8	24
147	Influence of sintering process on the microwave dielectric properties of Bi(V0.008Nb0.992)O4 ceramics. *Materials Chemistry and Physics*, **2009**, 115, 126-131	4.4	24
146	Low-temperature sintering and microwave dielectric properties of TiO2-based LTCC materials. *Journal of Materials Science: Materials in Electronics*, **2010**, 21, 1285-1292	2.1	24
145	Microwave dielectric properties and co-firing of BiNbO4 ceramics with CuO substitution. *Materials Chemistry and Physics*, **2007**, 104, 397-402	4.4	24
144	Low-Temperature Sintering and Microwave Dielectric Properties of CaMoO4-Based Temperature Stable LTCC Material. *Journal of the American Ceramic Society*, **2014**, 97, 2032-2034	3.8	23
143	Low-Temperature Sintering Li2MoO4/Ni0.5Zn0.5Fe2O4 Magneto-Dielectric Composites for High-Frequency Application. *Journal of the American Ceramic Society*, **2014**, 97, 2552-2556	3.8	23
142	Structure, phase evolution, and microwave dielectric properties of (Ag0.5Bi0.5)(Mo0.5W0.5)O4 ceramic with ultralow sintering temperature. *Inorganic Chemistry*, **2014**, 53, 5712-6	5.1	23
141	Structure, Raman spectra, far-infrared spectra and microwave dielectric properties of temperature independent CeVO4TiO2 composite ceramics. *Journal of Alloys and Compounds*, **2017**, 694, 40-45	5.7	23
140	A low-firing microwave dielectric material in Li2O ZnO Nb2O5 system. *Materials Letters*, **2010**, 64, 2413-2415	3.5	23

139	High quality microwave dielectric ceramic sintered at extreme-low temperature below 200°C and co-firing with base metal. *Journal of the European Ceramic Society*, **2017**, 37, 3073-3077	6	22
138	Structure and dielectric properties of Nd(Zn1/2Ti1/2)O3–BaTiO3 ceramics for energy storage applications. *Journal of Alloys and Compounds*, **2016**, 685, 418-422	5.7	22
137	Microwave dielectric ceramic with intrinsic low firing temperature: BaLa2(MoO4)4. *Materials Letters* , **2012**, 72, 128-130	3.3	22
136	Sintering Behavior and Dielectric Properties of Bi3NbO7 Ceramics Prepared by Mixed Oxides and High-Energy Ball-Milling Methods. *Journal of the American Ceramic Society*, **2007**, 90, 327-329	3.8	22
135	Sintering Behavior, Phase Evolution, and Microwave Dielectric Properties of Bi(Sb1−xTax)O4 Ceramics. *Journal of the American Ceramic Society*, **2008**, 91, 2228-2231	3.8	22
134	Dielectric resonator antennas based on high quality factor MgAl2O4 transparent dielectric ceramics. *Journal of Materials Chemistry C*, **2020**, 8, 14880-14885	7.1	22
133	Temperature Stable Cold Sintered (BiLi)(VMo)O-NaMoO Microwave Dielectric Composites. *Materials*, **2019**, 12,	3.5	21
132	Direct Integration of Cold Sintered, Temperature-Stable Bi2Mo2O9-K2MoO4 Ceramics on Printed Circuit Boards for Satellite Navigation Antennas. *Journal of the European Ceramic Society*, **2020**, 40, 4029-4034	6	21
131	Flexible Ti3C2T x /Graphene Films with Large-Sized Flakes for Supercapacitors. *Small Structures*, **2021**, 2, 2100015	8.7	21
130	MICROWAVE DIELECTRIC PROPERTIES AND RAMAN SPECTROSCOPY OF SCHEELITE SOLID SOLUTION [(Li0.5Bi0.5)1-xCax]MoO4 CERAMICS WITH ULTRA-LOW SINTERING TEMPERATURES. *Functional Materials Letters*, **2010**, 03, 253-257	1.2	20
129	High-temperature BaTiO3-based ternary dielectric multilayers for energy storage applications with high efficiency. *Chemical Engineering Journal*, **2021**, 414, 128760	14.7	20
128	Microwave dielectric properties of LiMVO4 (M=Mg, Zn) ceramics with low sintering temperatures. *Ceramics International*, **2015**, 41, 9063-9068	5.1	19
127	Extreme high energy storage efficiency in perovskite structured (1-x)(Ba0.8Sr0.2)TiO3-xBi(Zn2/3Nb1/3)O3 (0.04 ≤x ≤0.16) ceramics. *Journal of the European Ceramic Society*, **2020**, 40, 3343-3347	6	19
126	Novel and facile reduced graphene oxide anchored Ni-Co-Zn-Nd-ferrites composites for microwave absorption. *Scripta Materialia*, **2019**, 171, 42-46	5.6	19
125	Dielectric behavior, band gap, in situ X-ray diffraction, Raman and infrared study on (1 − x)BiVO4–(Li0.5Bi0.5)MoO4 solid solution. *RSC Advances*, **2013**, 3, 5009	3.7	19
124	Microwave dielectric properties and low temperature firing of (1 −x)Li2Zn3Ti4O12 –Li2TiO3 (0.2 ≤ x ≤0.8) ceramics with B2O3–CuO addition. *Journal of Materials Science: Materials in Electronics*, **2013**, 24, 1505-1510	2.1	19
123	Microwave dielectric properties of low-firing BiNbO4 ceramics with V2O5 substitution. *Journal of Electroceramics*, **2008**, 21, 469-472	1.5	19
122	Recent advances in all-in-one flexible supercapacitors. *Science China Materials*, **2021**, 64, 27-45	7.1	19

121	Exploration of crystal structure, magnetic and dielectric properties of titanium-barium hexaferrites. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2021**, 272, 115345	3.1	19
120	Microwave dielectric properties of Pb2MoO5 ceramic with ultra-low sintering temperature. *Journal of the European Ceramic Society*, **2014**, 34, 4089-4093	6	18
119	Dielectric Behavior and Cofiring with Silver of Monoclinic BiSbO4 Ceramic. *Journal of the American Ceramic Society*, **2008**, 91, 1380-1383	3.8	18
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117	Effect of titanium substitution and temperature variation on structure and magnetic state of barium hexaferrites. *Journal of Alloys and Compounds*, **2021**, 859, 158365	5.7	18
116	Features of structure, magnetic state and electrodynamic performance of SrFeInO. *Scientific Reports*, **2021**, 11, 18342	4.9	18
115	Cold sintered LiMgPO4 based composites for low temperature co-fired ceramic (LTCC) applications. *Journal of the American Ceramic Society*, **2020**, 103, 6237-6244	3.8	17
114	Microwave Dielectric Properties of Scheelite Structured PbMoO4 Ceramic with Ultralow Sintering Temperature. *Journal of the American Ceramic Society*, **2014**, 97, 1375-1378	3.8	17
113	Microwave dielectric properties of low firing scheelite-related (Na0.5La0.5)MoO4 ceramic. *Materials Letters*, **2015**, 142, 221-224	3.3	17
112	Novel scheelite-type [Ca0.55(Nd1-xBix)0.3]MoO4 (0.2≤x≤0.95) microwave dielectric ceramics with low sintering temperature. *Journal of the American Ceramic Society*, **2020**, 103, 7259-7266	3.8	17
111	Raspberry-like LiFe5O8 nanoparticles embedded on MoS2 microflowers with excellent microwave absorption performance. *Journal of Materials Chemistry A*, **2020**, 8, 20337-20345	13	17
110	Influence of (Mg1/3Nb2/3) complex substitutions on crystal structures and microwave dielectric properties of Li2TiO3 ceramics with extreme low loss. *Journal of Materiomics*, **2018**, 4, 368-382	6.7	17
109	Structure and energy storage properties of Mn-doped (Ba,Sr)TiO3–MgO composite ceramics. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 8749-8754	2.1	16
108	The spectra analysis and microwave dielectric properties of [Ca0.55(Sm1-xBix)0.3]MoO4 ceramics. *Journal of the American Ceramic Society*, **2019**, 102, 3103-3109	3.8	16
107	A Novel Magneto-Dielectric Solid Solution Ceramic 0.25LiFe5O8–0.75Li2ZnTi3O8 with Relatively High Permeability and Ultra-Low Dielectric Loss. *Journal of the American Ceramic Society*, **2012**, 95, 3732-3734	3.8	16
106	Correlation between vibrational modes and dielectric properties in (Ca1−xBi2x□)MoO4 ceramics. *Journal of the European Ceramic Society*, **2015**, 35, 4459-4464	6	15
105	PHASE EVOLUTION AND MICROWAVE DIELECTRIC PROPERTIES OF (Li0.5Bi0.5)(W1-xMox)O4(0.0 ≤ x ≤1.0) CERAMICS WITH ULTRA-LOW SINTERING TEMPERATURES. *Functional Materials Letters*, **2012**, 05, 1250042	1.2	15
104	Enhancement of densification and microwave dielectric properties in LiF ceramics via a cold sintering and post-annealing process. *Journal of the European Ceramic Society*, **2021**, 41, 1726-1729	6	15

103	Crystal structure and microwave dielectric behaviors of scheelite structured (1-x)BiVO4-xLa2/3MoO4 (0.0 ≤ x ≤ 1.0) ceramics with ultra-low sintering temperature. *Journal of the European Ceramic Society*, **2018**, 38, 1535-1540	6	15
102	Obstacle Avoidance Path Planning of Space Manipulator Based on Improved Artificial Potential Field Method. *Journal of the Institution of Engineers (India): Series C*, **2014**, 95, 31-39	0.9	14
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100	Microwave dielectric properties of the (1−x)(Mg0.95Zn0.05)TiO3–x(Ca0.8Sm0.4/3)TiO3 temperature stable ceramics. *Materials Letters*, **2014**, 132, 200-202	3.3	14
99	New Microwave Dielectric Ceramics BaLn2(MoO4)4 (Ln = Nd and Sm) with Low Loss. *Journal of the American Ceramic Society*, **2011**, 94, 2800-2803	3.8	14
98	Phase composition and phase transformation in Bi(Sb,Nb,Ta)O4 system. *Solid State Sciences*, **2009**, 11, 1894-1897	3.4	14
97	Sintering behavior and microwave dielectric properties of Bi3(Nb1−xTax)O7 solid solutions. *Materials Chemistry and Physics*, **2008**, 110, 212-215	4.4	14
96	The two element antennas using BiNbO4 ceramics as the substrate. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 460-461, 652-655	5.3	14
95	Correlation between infrared, THz and microwave dielectric properties of vanadium doped antiferroelectric BiNbO4. *Journal of the European Ceramic Society*, **2006**, 26, 2861-2865	6	14
94	Structure and magnetodielectric properties of titanium substituted barium hexaferrites. *Ceramics International*, **2021**, 47, 17293-17306	5.1	14
93	Temperature independent low firing [Ca0.25(Nd1-xBix)0.5]MoO4 (0.2 ≤ x ≤ 0.8) microwave dielectric ceramics. *Journal of Alloys and Compounds*, **2019**, 781, 385-388	5.7	14
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91	Reduced clot debris size in sonothrombolysis assisted with phase-change nanodroplets. *Ultrasonics Sonochemistry*, **2019**, 54, 183-191	8.9	13
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