Hongtao Yu

List of Publications by Year in descending order

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37 papers	761 citations	623734 14 h-index	526287 27 g-index
37 all docs	37 docs citations	37 times ranked	690 citing authors

#	Article	IF	Citations
1	Magnetic and microwave absorption properties of BaMnxCo1â^'xTiFe10O19. Journal of Alloys and Compounds, 2014, 588, 212-216.	5.5	85
2	Ultra-low sintering temperature ceramics for LTCC applications: a review. Journal of Materials Science: Materials in Electronics, 2015, 26, 9414-9423.	2.2	85
3	Dielectric properties of CaCu3Ti4O12 ceramics modified by SrTiO3. Materials Letters, 2008, 62, 1353-1355.	2.6	65
4	Grain size dependence of relaxor behavior in CaCu3Ti4O12 ceramics. Applied Physics Letters, 2007, 91, 222911.	3.3	52
5	Microwave synthesis of high dielectric constant CaCu3Ti4O12. Journal of Materials Processing Technology, 2008, 208, 145-148.	6.3	47
6	Phase composition and microwave dielectric properties of Mg-excess MgTiO3 ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 1287-1291.	2.2	31
7	Ultraâ€Low Temperature Sintering and Dielectric Properties of <scp><scp>SiO</scp></scp>₂â€Filled Glass Composites. Journal of the American Ceramic Society, 2013, 96, 3563-3568.	3.8	30
8	High discharge efficiency of (Sr, Pb, Bi) TiO3 relaxor ceramics for energy-storage application. Applied Physics Letters, 2018, 112, .	3.3	29
9	A Novel Glassâ€Ceramic with Ultraâ€Low Sintering Temperature for <scp>LTCC</scp> Application. Journal of the American Ceramic Society, 2014, 97, 704-707.	3.8	28
10	Synthesis of nanocrystalline yttrium iron garnet by low temperature solid state reaction. Materials Characterization, 2011, 62, 378-381.	4.4	26
11	Dielectric Properties of (1-x)CaTiO3-xCa(Zn1/3Nb2/3)O3 Ceramic System at Microwave Frequency. Journal of the American Ceramic Society, 2005, 88, 453-455.	3.8	24
12	Effect of ZnO on Mg₂TiO₄â€“MgTiO₃â€“CaTiO₃ microwave dielectric ceramics prepared by reaction sintering route. Advances in Applied Ceramics, 2019, 118, 98-105.	1.1	24
13	0.73ZrTi₂O₆â€“0.27MgNb₂O₆ microwave dielectric ceramics modified by Al₂O₃ addition. Journal of the American Ceramic Society, 2018, 101, 5110-5119.	3.8	18
14	NiNb₂O₆â€BaTiO₃ Ceramics for Energyâ€Storage Capacitors. Energy Technology, 2018, 6, 899-905.	3.8	15
15	Phase evolution and microwave dielectric properties of BaTi₄O₉ ceramics prepared by reaction sintering method. International Journal of Applied Ceramic Technology, 2019, 16, 146-151.	2.1	15
16	Polyethylene/silica nanorod composites with reduced dielectric constant and enhanced mechanical strength. Journal of Applied Polymer Science, 2019, 136, 47143.	2.6	15
17	Structure and dielectric properties of zinc borate glassâ€“ceramics modified by magnesium. Journal of Materials Science: Materials in Electronics, 2016, 27, 7109-7114.	2.2	14
18	Using MgO fibers to immobilize molten electrolyte in thermal batteries. Journal of Solid State Electrochemistry, 2016, 20, 1355-1360.	2.5	13

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19	Lowâ€dielectricâ€constant benzocyclobuteneâ€“organosilicon resins constructed from cyclotetrasiloxane. Journal of Applied Polymer Science, 2019, 136, 47465.	2.6	13
20	Improvement of quality factor of SrTiO₃ dielectric ceramics with high dielectric constant using Sm₂O₃. Journal of the American Ceramic Society, 2019, 102, 3849-3853.	3.8	13
21	Stabilizing temperatureâ€capacitance dependence of (Sr, Pb,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (Bi)TiO₃ Journal of the American Ceramic Society, 2019, 102, 4029-4037.	3.8	13
22	Formation mechanism and microstructure evolution of Ba 2 Ti 9 O 20 ceramics by reaction sintering method. Journal of the American Ceramic Society, 2020, 103, 1079-1087.	3.8	13
23	Phase compositions and microwave dielectric properties of MgTiO3-based ceramics obtained by reaction-sintering method. Journal of Electroceramics, 2018, 40, 360-364.	2.0	12
24	The microstructures and dielectric properties of xSrZrO3â€“(1â^'x)SrTiO3 ceramics. Journal of Electroceramics, 2008, 21, 210-213.	2.0	11
25	Tape casting and dielectric properties of SiO2-filled glass composite ceramic with an ultra-low sintering temperature. Journal of Materials Science: Materials in Electronics, 2014, 25, 5114-5118.	2.2	9
26	Low temperature sintering of Zn1.8SiO3.8 dielectric ceramics containing 3ZnO-2B2O3 glass. Materials Letters, 2016, 179, 150-153.	2.6	9
27	Phase composition and microwave dielectric properties of Ca0.128Ba0.032Sm0.46Li0.3TiO3 ceramics with alumina addition. Journal of the European Ceramic Society, 2022, 42, 1480-1485.	5.7	9
28	Ultra-high quality factor of Mg6Ti5O16-based microwave dielectric ceramics with temperature stability. Journal of Materials Science: Materials in Electronics, 2021, 32, 2547-2556.	2.2	8
29	Effect of B-Site Bond Valence on Microwave Dielectric Properties of Ca[(Zn1/3Nb2/3)(1) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.6	5
30	Effect of interface layer on dielectric and magnetic properties of 2â€“2 type Ba2Ti9O20â€“BaFe12O19 composite ceramics. Ceramics International, 2012, 38, 4407-4410.	4.8	5
31	Hydrofluoric Acid Modified Porous Magnesia Fibers as Immobilizing Agent for Molten Electrolyte in Thermal Battery. Electrochemistry, 2017, 85, 451-455.	1.4	5
32	NiNb 2 O 6 â€BaTiO 3 /poly(arylene ether nitriles) composite film dielectrics with excellent flexibility and high permittivity for organic film capacitors. Polymer Composites, 2020, 41, 94-101.	4.6	5
33	Microwave dielectric properties of Mg(Zr0.05Ti0.95)O3-SrTiO3 ceramics. Journal of Materials Science: Materials in Electronics, 2012, 23, 572-575.	2.2	4
34	Correlation between Sn substitution for Ti and Microwave Dielectric Properties of Magnesium Titanate Ceramics. International Journal of Applied Ceramic Technology, 2013, 10, E186.	2.1	4
35	Dielectric characteristics of B-site-modified hexagonal-barium titanate. Journal of Materials Science: Materials in Electronics, 2016, 27, 2836-2840.	2.2	4
36	Improvement of microwave dielectric properties of Ba2Ti9O20 ceramics using [Zn1/3Nb2/3]4+ substitution for Ti4+. Journal of Materials Science: Materials in Electronics, 2020, 31, 15184-15191.	2.2	3

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37	Effect of CuO on Microstructure and Microwave Dielectric Properties of CaTiO3-Ca(Zn1/3Nb2/3)O3 Ceramics System. Materials Research Society Symposia Proceedings, 2006, 966, 1.	0.1	0