Yong Jun Wu

List of Publications by Year
in descending order

42 papers	1,272 citations	394421 19 h-index	345221 36 g-index
42 all docs	42 docs citations	42 times ranked	1226 citing authors

#	Article	IF	Citations
1	Modified ferroelectricity in multiferroic Ba4Nd2Fe2Nb8O30 ceramics via atmosphere treatment. Journal of Materials Science: Materials in Electronics, 2022, 33, 16414-16424.	2.2	2
2	Optimized supercapacitive performance of graphene-hydrogel by porous texture controlling. Journal of Porous Materials, 2020, 27, 11-19.	2.6	3
3	Thermodynamic and phase-field studies of phase transitions, domain structures, and switching for Ba(Zr Ti1âˆ’)O3 solid solutions. Acta Materialia, 2020, 186, 609-615.	7.9	12
4	Defect dipoles induced highâ€energy storage density in Mnâ€doped <scp>BST</scp> ceramics prepared by spark plasma sintering. Journal of the American Ceramic Society, 2019, 102, 1904-1911.	3.8	21
5	Effects of Sr-substitution on structure, dielectric, ferroelectric and magnetic properties of (SrxBa1-x)4Sm2Fe2Nb8O30 ceramics. Journal of Alloys and Compounds, 2019, 770, 143-148.	5.5	5
6	Pinched <i>P-E</i> hysteresis loops in Ba4Sm2Fe0.5Ti3Nb6.5O30 ceramic with tungsten bronze structure. Applied Physics Letters, 2019, 115, .	3.3	5
7	Crystal structures, dielectric properties, and phase transition in hybrid improper ferroelectric Sr3Sn2O7-based ceramics. Journal of Applied Physics, 2019, 125, .	2.5	19
8	Magnetoelectric effect in Sm-substituted tungsten bronze structure Ba4(Sm La1-)2Fe2Nb8O30 ceramics. Journal of Alloys and Compounds, 2019, 786, 126-133.	5.5	10
9	Improved energy storage performance of Ba0.4Sr0.6TiO3 nanocrystalline ceramics prepared by using oxalate co-precipitation and spark plasma sintering. Materials Research Bulletin, 2019, 113, 141-145.	5.2	17
10	Enhanced dielectric strength and energy storage density in BaTi0.7Zr0.3O3 ceramics via spark plasma sintering. Journal of Materials Science, 2019, 54, 4511-4517.	3.7	48
11	Simultaneously enhanced ferroelectric and magnetic properties in Fe-substituted Ba4Sm2Fe Ti4-2Nb6+O30 ceramics. Journal of Alloys and Compounds, 2019, 775, 1199-1205.	5.5	2
12	A thermodynamic potential, energy storage performances, and electrocaloric effects of Ba1-<i>x</i>Sr<i>x</i>TiO3 single crystals. Applied Physics Letters, 2018, 112, .	3.3	49
13	The effects of melamine on the formation of carbon xerogel derived from resorcinol and formaldehyde and its performance for supercapacitor. Journal of Colloid and Interface Science, 2018, 524, 209-218.	9.4	27
14	From coreâ€"shell Ba_{0.4}Sr_{0.6}TiO₃@SiO₂ particles to dense ceramics with high energy storage performance by spark plasma sintering. Journal of Materials Chemistry A, 2018, 6, 4477-4484.	10.3	92
15	The origin of enhanced magnetodielectric effect in Y3-xYbxFe5O12 ceramics. Journal of Applied Physics, 2018, 124, .	2.5	6
16	Oxygen-vacancy-induced reversible control of ferroelectric polarization in Ba4Eu2Fe2Nb8O30 ceramics. Journal of Applied Physics, 2018, 124, .	2.5	8
17	Camellia pollen-derived carbon for supercapacitor electrode material. Journal of Power Sources, 2018, 394, 9-16.	7.8	83
18	Enhanced energy storage properties of barium strontium titanate ceramics prepared by sol-gel method and spark plasma sintering. Journal of Alloys and Compounds, 2017, 701, 439-446.	5.5	39

#	Article	IF	Citations
19	Effects of phase constitution and microstructure on energy storage properties of barium strontium titanate ceramics. Journal of the European Ceramic Society, 2017, 37, 2099-2104.	5.7	70
20	Enhanced energy storage density of Ba0.4Sr0.6TiO3â€“MgO composite prepared by spark plasma sintering. Journal of the European Ceramic Society, 2015, 35, 1469-1476.	5.7	220
21	Giant room-temperature magnetodielectric coupling in spark plasma sintered brownmillerite ceramics. Applied Physics Letters, 2014, 105, .	3.3	17
22	Effects of oxygen vacancies on dielectric, electrical, and ferroelectric properties of Ba₄Nd₂Fe₂Nb₈O₃₀ ceramics. Applied Physics Letters, 2014, 104, 082912.	3.3	51
23	Effects of Bi-Substitution on Dielectric and Ferroelectric Properties of Yttrium Iron Garnet Ceramics. Ferroelectrics, 2014, 458, 25-30.	0.6	3
24	Electrocaloric effects in spark plasma sintered Ba0.7Sr0.3TiO3-based ceramics: Effects of domain sizes and phase constitution. Ceramics International, 2014, 40, 11269-11276.	4.8	65
25	Enhanced Electrocaloric Effects in Spark Plasmaâ€Sintered <scp><scp>Ba</scp></scp>_{0.65}<scp><scp>Sr</scp></scp>_{0.35}<scp><scp>TiO</scp></scp>₃ Ceramics at Room Temperature. Journal of the American Ceramic Society, 2013, 96, 1021-1023.	3.8	103
26	Dielectric and ferroelectric properties of Ba_{1â^ˆ’x}Sr_xTiO₃ceramics: effects of grain size and ferroelectric domain. Advances in Applied Ceramics, 2013, 112, 270-276.	1.1	17
27	Magnetodielectric effects of Y3Fe5âˆ’xTixO12+x/2 ceramics. Applied Physics Letters, 2012, 100, .	3.3	32
28	Effects of <scp><scp>Al</scp></scp> Substitution on Dielectric Response and Magnetic Behavior of Yttrium Iron Garnet Ceramics. Journal of the American Ceramic Society, 2012, 95, 1671-1675.	3.8	24
29	Transparent Barium Strontium Titanate Ceramics Prepared by Spark Plasma Sintering. Journal of the American Ceramic Society, 2011, 94, 1343-1345.	3.8	27
30	Size-dependent structural preferences and magnetization enhancement in 0.5Bi0.8La0.2FeO3â€“0.5PbTiO3. Journal of Applied Physics, 2010, 108, .	2.5	6
31	Room temperature multiferroic Ba4Bi2Fe2Nb8O30: Structural, dielectric, and magnetic properties. Journal of Applied Physics, 2010, 108, 014111.	2.5	24
32	Synthesis and dielectric characteristics of La0.5Bi0.5MnO3 ceramics. Applied Physics A: Materials Science and Processing, 2009, 97, 191-194.	2.3	15
33	Contribution of Electron Hopping on Colossal Dielectric Response of Bi-Substituted LaMnO3Ceramics. Ferroelectrics, 2009, 388, 133-139.	0.6	6
34	Diffusion in Multi-Compositional PZ-PT-PZN Ceramics Prepared by Spark Plasma Sintering. Ferroelectrics, 2009, 388, 140-146.	0.6	0
35	Barium Titanate Tetragonal Prism Arrays: Preparation and Characterization. Ferroelectrics, 2009, 388, 147-152.	0.6	0
36	Dense YMn₂O₅ Ceramics Prepared by Spark Plasma Sintering. Journal of the American Ceramic Society, 2008, 91, 3728-3730.	3.8	21

#	ARTICLE	IF	CITATIONS
37	Dielectric relaxations of yttrium iron garnet ceramics over a broad temperature range. Applied Physics Letters, 2007, 91, 092912.	3.3	59
38	Diffused ferroelectrics of Ba6Ti2Nb8O30 and Sr6Ti2Nb8O30 with filled tungsten-bronze structure. Journal of Applied Physics, 2005, 98, 084110.	2.5	28
39	Dielectric ceramics of Ba6-3xNd8 2x(Zr,Ti)18O54. Ferroelectrics, 1999, 233, 271-277.	0.6	8
40	Dielectric characteristics of Ba(Mg1/3Ta2/3)O3 ceramics sintered at low temperatures. Journal of Materials Science: Materials in Electronics, 1996, 7, 369.	2.2	5
41	Effects of NaF upon sintering temperature of Ba(Mg1/3Ta2/3)O3 dielectric ceramics. Journal of Materials Science: Materials in Electronics, 1996, 7, 427.	2.2	8
42	Factors influencing the formation and growth of faulted loops in BF+2â€implanted silicon. Journal of Applied Physics, 1981, 52, 3520-3527.	2.5	18