Fu Dongyan

List of Publications by Year
in descending order

32 papers	816 citations	623734 14 h-index	501196 28 g-index
32 all docs	32 docs citations	32 times ranked	534 citing authors

#	Article	IF	Citations
1	Enhanced thermal stability of lead-free high temperature 0.75BiFeO3â€“0.25BaTiO3 ceramics with excess Bi content. Journal of Alloys and Compounds, 2014, 589, 115-119.	5.5	96
2	High temperature dielectric, ferroelectric and piezoelectric properties of Mn-modified BiFeO3-BaTiO3 lead-free ceramics. Journal of Materials Science, 2017, 52, 229-237.	3.7	96
3	Origin of large electric-field-induced strain in pseudo-cubic BiFeO3â€“BaTiO3 ceramics. Acta Materialia, 2020, 197, 1-9.	7.9	93
4	Excellent thermal stability and aging behaviors in BiFeO₃â€BaTiO₃ piezoelectric ceramics with rhombohedral phase. Journal of the American Ceramic Society, 2020, 103, 374-381.	3.8	83
5	Remarkable piezoelectricity and stable highâ€temperature dielectric properties of quenched BiFeO₃â€“BaTiO₃ ceramics. Journal of the American Ceramic Society, 2017, 100, 5573-5583.	3.8	49
6	Reduced Dielectric Loss and Strain Hysteresis in Fe and Mn Comodified Highâ€Temperature <scp><scp>BiScO</scp></scp>₃â€“<scp><scp>PbTiO</scp></scp>₃ Ceramics. Journal of the American Ceramic Society, 2014, 97, 3890-3896.	3.8	48
7	Temperature dependence of the dielectric and piezoelectric properties of xBiFeO3â€“(1Ââ^'Âx)BaTiO3 ceramics near the morphotropic phase boundary. Journal of Materials Science, 2017, 52, 10726-10737.	3.7	42
8	High Electricâ€Induced Strain and Temperatureâ€Dependent Piezoelectric Properties of 0.75BFâ€“0.25BZT Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2016, 99, 536-542.	3.8	38
9	Achieving both large piezoelectric constant and high Curie temperature in BiFeO3-PbTiO3-BaTiO3 solid solution. Journal of the European Ceramic Society, 2020, 40, 2338-2344.	5.7	34
10	Reduced dielectric loss and strain hysteresis in (0.97â^'x)BiScO3â€“xPbTiO3â€“0.03Pb(Mn1/3Nb2/3)O3 piezoelectric ceramics. Ceramics International, 2015, 41, 9828-9833.	4.8	31
11	Diffused phase transition and multiferroic properties of 0.57(Bi1â^'xLax)FeO3â^'0.43PbTiO3 crystalline solutions. Journal of Applied Physics, 2008, 104, .	2.5	26
12	Large and temperature-insensitive piezoelectric strain in xBiFeO3â€“(1â^'x)Ba(Zr0.05Ti0.95)O3 lead-free piezoelectric ceramics. Journal of Materials Science, 2019, 54, 1153-1161.	3.7	19
13	Tailoring the chemical heterogeneity of Mn-modified 0.75BiFeO3-0.25BaTiO3 ceramics for piezoelectric sensor applications. Journal of the European Ceramic Society, 2022, 42, 3857-3864.	5.7	17
14	Correlation between grain size and electrical properties of highâ€temperature leadâ€free 0.70BiFeO₃â€0.30BaTiO₃ ceramics. Journal of the American Ceramic Society, 2022, 105, 862-872.	3.8	15
15	Enhanced aging behaviors and electric thermal stabilities in 0.75BiFeO₃â€“0.25BaTiO₃ piezoceramics by Mn modifications. Journal of the American Ceramic Society, 2021, 104, 5547-5556.	3.8	14
16	Actuation performance and heat generation of shear-bending actuator based on BiScO3-PbTiO3 ceramics from 25 to 300â€‰Â°C. Applied Physics Letters, 2015, 107, .	3.3	13
17	Investigation of (1â^'x)(Bi0.94La0.06)(Ga0.05Fe0.95)O3â€“xPbTiO3 ceramics for high temperature applications. Ceramics International, 2014, 40, 13299-13303.	4.8	12
18	Domain evolution during electric poling and thermal depoling processes in lead-free 0.75BiFeO3-0.25BaTiO3 ceramics. Ceramics International, 2020, 46, 22397-22403.	4.8	11

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19	Thermally stable dielectric properties of 0.5Na0.5Bi0.5TiO3â€“0.4SrTiO3â€“0.1BiFeO3 ceramics at high temperature. Journal of Materials Research, 2021, 36, 1153-1160.	2.6	11
20	Enhanced dielectric and piezoelectric properties in BaZrO3 modified BiFeO3â€“PbTiO3 high temperature ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 7100-7104.	2.2	10
21	Structural and multiferroic characterization of BiFeO3-PbTiO3-based solid solution with an extra phase. Ceramics International, 2018, 44, 23315-23319.	4.8	9
22	Lowâ€temperature sintering of BFâ€PTâ€BZ ternary solid solutions with enhanced piezoelectric properties. Journal of the American Ceramic Society, 2019, 102, 5958-5965.	3.8	8
23	Enhanced dielectric and piezoelectric properties of Mn modified 0.65(Bi0.95La0.05)FeO3-0.35Pb(Ti1-xMnx)O3 ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 6823-6828.	2.2	7
24	Highâ€temperature BiFeO₃â€“PbTiO₃â€Ba(Zr,Ti)O₃ ternary ceramics with excellent piezoelectricity. Journal of the American Ceramic Society, 2021, 104, 4687-4694.	3.8	7
25	Enhanced ferroelectric and ferromagnetic properties of BiFeO₃â€PbTiO₃ multiferroic solid solutions with Ba substitutions. Journal of the American Ceramic Society, 2020, 103, 6265-6271.	3.8	6
26	The effect of cooling rate on structural and electrical properties of multiferroic BLFâ€PT ceramics. Journal of the American Ceramic Society, 2018, 101, 5497-5502.	3.8	5
27	Investigation of enhanced performance in BF-xPT-0.05BZ ternary ceramics for high temperature applications. Ceramics International, 2019, 45, 13614-13619.	4.8	4
28	Enhanced piezoelectric strain of BiFeO₃â€“Ba(Zr_{0.02}Ti_{0.98})O₃ leadâ€free ceramics near the phase boundary. International Journal of Applied Ceramic Technology, 2020, 17, 1348-1353.	2.1	4
29	Enhanced transduction coefficient and thermal stability of 0.75BiFeO3-0.25BaTiO3 ceramics for high temperature piezoelectric energy harvesters applications. Ceramics International, 2022, 48, 16885-16891.	4.8	4
30	Origin of the thickness-dependent electric properties of BiScO3-PbTiO3 piezoceramics near the morphotropic phase boundary. Ceramics International, 2021, 47, 35180-35186.	4.8	3
31	Thickness-dependent dielectric and ferroelectric properties of 0.7Bi(Fe0.98Mn0.02)O3-0.3PbTiO3 thin films on stainless steel substrates. Journal of Materials Science: Materials in Electronics, 2022, 33, 13939-13946.	2.2	1
32	Thermally stable dielectric properties of 0.5Na_{0.5}Bi_{0.5}TiO₃â€“0.4SrTiO₃â€“0.1BiFeO₃ ceramics at high temperature. Journal of Materials Research, 0, , 1-8.	2.6	0