

Fu Dongyan

List of Publications by Year in descending order

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32
papers

816
citations

623734

14
h-index

501196

28
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all docs

32
docs citations

32
times ranked

534
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation between grain size and electrical properties of high-temperature lead-free $0.70\text{BiFeO}_3\text{-}0.30\text{BaTiO}_3$ ceramics. <i>Journal of the American Ceramic Society</i> , 2022, 105, 862-872.	3.8	15
2	Tailoring the chemical heterogeneity of Mn-modified $0.75\text{BiFeO}_3\text{-}0.25\text{BaTiO}_3$ ceramics for piezoelectric sensor applications. <i>Journal of the European Ceramic Society</i> , 2022, 42, 3857-3864.	5.7	17
3	Enhanced transduction coefficient and thermal stability of $0.75\text{BiFeO}_3\text{-}0.25\text{BaTiO}_3$ ceramics for high temperature piezoelectric energy harvesters applications. <i>Ceramics International</i> , 2022, 48, 16885-16891.	4.8	4
4	Thickness-dependent dielectric and ferroelectric properties of $0.7\text{Bi}(\text{Fe}_{0.98}\text{Mn}_{0.02})\text{O}_3\text{-}0.3\text{PbTiO}_3$ thin films on stainless steel substrates. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 13939-13946.	2.2	1
5	Thermally stable dielectric properties of $0.5\text{Na}_0.5\text{Bi}_0.5\text{TiO}_3\text{-}0.4\text{SrTiO}_3\text{-}0.1\text{BiFeO}_3$ ceramics at high temperature. <i>Journal of Materials Research</i> , 2021, 36, 1153-1160.	2.6	11
6	High-temperature $\text{BiFeO}_3\text{-PbTiO}_3\text{-Ba}(\text{Zr},\text{Ti})\text{O}_3$ ternary ceramics with excellent piezoelectricity. <i>Journal of the American Ceramic Society</i> , 2021, 104, 4687-4694.	3.8	7
7	Enhanced aging behaviors and electric thermal stabilities in $0.75\text{BiFeO}_3\text{-}0.25\text{BaTiO}_3$ piezoceramics by Mn modifications. <i>Journal of the American Ceramic Society</i> , 2021, 104, 5547-5556.	3.8	14
8	Origin of the thickness-dependent electric properties of $\text{BiScO}_3\text{-PbTiO}_3$ piezoceramics near the morphotropic phase boundary. <i>Ceramics International</i> , 2021, 47, 35180-35186.	4.8	3
9	Enhanced piezoelectric strain of $\text{BiFeO}_3\text{-Ba}(\text{Zr}_{0.02}\text{Ti}_{0.98})\text{O}_3$ lead-free ceramics near the phase boundary. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 1348-1353.	2.1	4
10	Excellent thermal stability and aging behaviors in $\text{BiFeO}_3\text{-BaTiO}_3$ piezoelectric ceramics with rhombohedral phase. <i>Journal of the American Ceramic Society</i> , 2020, 103, 374-381.	3.8	83
11	Origin of large electric-field-induced strain in pseudo-cubic $\text{BiFeO}_3\text{-BaTiO}_3$ ceramics. <i>Acta Materialia</i> , 2020, 197, 1-9.	7.9	93
12	Domain evolution during electric poling and thermal depoling processes in lead-free $0.75\text{BiFeO}_3\text{-}0.25\text{BaTiO}_3$ ceramics. <i>Ceramics International</i> , 2020, 46, 22397-22403.	4.8	11
13	Enhanced ferroelectric and ferromagnetic properties of $\text{BiFeO}_3\text{-PbTiO}_3$ multiferroic solid solutions with Ba substitutions. <i>Journal of the American Ceramic Society</i> , 2020, 103, 6265-6271.	3.8	6
14	Achieving both large piezoelectric constant and high Curie temperature in $\text{BiFeO}_3\text{-PbTiO}_3\text{-BaTiO}_3$ solid solution. <i>Journal of the European Ceramic Society</i> , 2020, 40, 2338-2344.	5.7	34
15	Investigation of enhanced performance in $\text{BF-xPT-}0.05\text{BZ}$ ternary ceramics for high temperature applications. <i>Ceramics International</i> , 2019, 45, 13614-13619.	4.8	4
16	Low-temperature sintering of BF-xPT-xBZ ternary solid solutions with enhanced piezoelectric properties. <i>Journal of the American Ceramic Society</i> , 2019, 102, 5958-5965.	3.8	8
17	Large and temperature-insensitive piezoelectric strain in $x\text{BiFeO}_3\text{-}(1-x)\text{Ba}(\text{Zr}_{0.05}\text{Ti}_{0.95})\text{O}_3$ lead-free piezoelectric ceramics. <i>Journal of Materials Science</i> , 2019, 54, 1153-1161.	3.7	19
18	Structural and multiferroic characterization of $\text{BiFeO}_3\text{-PbTiO}_3$ -based solid solution with an extra phase. <i>Ceramics International</i> , 2018, 44, 23315-23319.	4.8	9

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19	The effect of cooling rate on structural and electrical properties of multiferroic BLF $\hat{\epsilon}$ PT ceramics. Journal of the American Ceramic Society, 2018, 101, 5497-5502.	3.8	5
20	Temperature dependence of the dielectric and piezoelectric properties of xBiFeO ₃ $\hat{\epsilon}$ (1 $\hat{\sim}$ $\hat{\sim}$ x)BaTiO ₃ ceramics near the morphotropic phase boundary. Journal of Materials Science, 2017, 52, 10726-10737.	3.7	42
21	Remarkable piezoelectricity and stable high $\hat{\epsilon}$ temperature dielectric properties of quenched BiFeO ₃ $\hat{\epsilon}$ BaTiO ₃ ceramics. Journal of the American Ceramic Society, 2017, 100, 5573-5583.	3.8	49
22	High temperature dielectric, ferroelectric and piezoelectric properties of Mn-modified BiFeO ₃ -BaTiO ₃ lead-free ceramics. Journal of Materials Science, 2017, 52, 229-237.	3.7	96
23	High Electric $\hat{\epsilon}$ Induced Strain and Temperature $\hat{\epsilon}$ Dependent Piezoelectric Properties of 0.75BF $\hat{\epsilon}$ 0.25BZT Lead $\hat{\epsilon}$ Free Ceramics. Journal of the American Ceramic Society, 2016, 99, 536-542.	3.8	38
24	Enhanced dielectric and piezoelectric properties of Mn modified 0.65(Bi _{0.95} La _{0.05})FeO ₃ -0.35Pb(Ti _{1-x} Mnx)O ₃ ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 6823-6828.	2.2	7
25	Enhanced dielectric and piezoelectric properties in BaZrO ₃ modified BiFeO ₃ $\hat{\epsilon}$ PbTiO ₃ high temperature ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 7100-7104.	2.2	10
26	Reduced dielectric loss and strain hysteresis in (0.97 $\hat{\sim}$ x)BiScO ₃ $\hat{\epsilon}$ xPbTiO ₃ $\hat{\epsilon}$ 0.03Pb(Mn _{1/3} Nb _{2/3})O ₃ piezoelectric ceramics. Ceramics International, 2015, 41, 9828-9833.	4.8	31
27	Actuation performance and heat generation of shear-bending actuator based on BiScO ₃ -PbTiO ₃ ceramics from 25 to 300 $\hat{\epsilon}$ % $\hat{\epsilon}$ C. Applied Physics Letters, 2015, 107, .	3.3	13
28	Reduced Dielectric Loss and Strain Hysteresis in Fe and Mn Comodified High $\hat{\epsilon}$ Temperature $\langle \text{scp} \rangle \langle \text{scp} \rangle \text{BiScO} \langle / \text{scp} \rangle \langle / \text{scp} \rangle \langle \text{sub} \rangle 3 \langle / \text{sub} \rangle \hat{\epsilon} \langle \text{scp} \rangle \langle \text{scp} \rangle \text{PbTiO} \langle / \text{scp} \rangle \langle / \text{scp} \rangle \langle \text{sub} \rangle 3 \langle / \text{sub} \rangle$ Ceramics. Journal of the American Ceramic Society, 2014, 97, 3890-3896.	3.8	48
29	Enhanced thermal stability of lead-free high temperature 0.75BiFeO ₃ $\hat{\epsilon}$ 0.25BaTiO ₃ ceramics with excess Bi content. Journal of Alloys and Compounds, 2014, 589, 115-119.	5.5	96
30	Investigation of (1 $\hat{\sim}$ x)(Bi _{0.94} La _{0.06})(Ga _{0.05} Fe _{0.95})O ₃ $\hat{\epsilon}$ xPbTiO ₃ ceramics for high temperature applications. Ceramics International, 2014, 40, 13299-13303.	4.8	12
31	Diffused phase transition and multiferroic properties of 0.57(Bi _{1$\hat{\sim}$} xLa _x)FeO ₃ $\hat{\sim}$ 0.43PbTiO ₃ crystalline solutions. Journal of Applied Physics, 2008, 104, .	2.5	26
32	Thermally stable dielectric properties of 0.5Na _{0.5} Bi _{0.5} TiO ₃ $\hat{\epsilon}$ 0.4SrTiO ₃ $\hat{\epsilon}$ 0.1BiFeO ₃ ceramics at high temperature. Journal of Materials Research, 0, , 1-8.	2.6	0