

# Guangzhi Dong

## List of Publications by Year in descending order

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47  
papers

2,359  
citations

201385

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47  
docs citations

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times ranked

2692  
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#	ARTICLE	IF	CITATIONS
1	Large strain with enhanced energy-storage and temperature stable dielectric properties in $\text{Bi}_{1/3}\text{Na}_{0.38}\text{Sr}_{0.24}\text{Ti}_{1-x}(\text{Mn}_{1/3}\text{Nb}_{2/3})\text{O}_3$ ceramics. <i>Ceramics International</i> , 2021, 47, 1325-1332.	2.3	16
2	Large electrostrain in $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3$ -based relaxor ferroelectrics: A case study of $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3\text{-Bi}_{1/2}\text{K}_{1/2}\text{TiO}_3\text{-Bi}(\text{Ni}_{2/3}\text{Nb}_{1/3})\text{O}_3$ ceramics. <i>Journal of Materiomics</i> , 2021, 7, 593-602.	2.8	38
3	Electro-mechano-optical properties of the $\text{Er}^{3+}$ modified $\text{Bi}_{0.5}\text{Na}_{0.4}\text{K}_{0.1}\text{TiO}_3$ versatile ceramics. <i>Journal of the European Ceramic Society</i> , 2021, 41, 2488-2496.	2.8	6
4	<i>In situ</i> growth of 2D $\text{BiOI}$ precursors on a porous conductive framework for a high performance bismuth based aqueous battery. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15472-15481.	5.2	8
5	Effect of the element ratio in the doping component on the properties of $0.975(0.8\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3\hat{=}0.2\text{Bi}_{1/2}\text{K}_{1/2}\text{TiO}_3)\hat{=}0.025\text{Bi}_x/3\text{Mg}_y/3\text{Nb}_z/3\text{O}_3$ ceramics. <i>Journal of Materials Research</i> , 2021, 36, 1114-1124.	1.2	1
6	Multi-walled carbon nanotubes/polyaniline on the ethylenediamine modified polyethylene terephthalate fibers for a flexible room temperature ammonia gas sensor with high responses. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129677.	4.0	55
7	Large electrostrain and high energy-storage of $(1-x)[0.94(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3\text{-}0.06\text{BaTiO}_3]\text{-}x\text{Ba}(\text{Sn}_{0.70}\text{Nb}_{0.24})\text{O}_3$ lead-free ceramics. <i>Ceramics International</i> , 2021, 47, 18487-18496.	2.3	19
8	Low hysteresis and temperature stable electrostrain in $0.97(0.94\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3\text{-}0.06\text{BaTiO}_3)\text{-}0.03\text{AgNbO}_3/x\text{ZnO}$ composite ceramics. <i>Ceramics International</i> , 2021, 47, 25296-25303.	2.3	5
9	$(\text{Na}_{0.8}\text{-K}_{0.2}\text{Li})_{0.5}\text{Bi}_{0.5}\text{Ti}_{0.985}\text{Ta}_{0.015}\text{O}_3$ lead-free ceramics with large strain and high recoverable energy density. <i>Journal of Alloys and Compounds</i> , 2021, 879, 160378.	2.8	15
10	Effect of the element ratio in the doping component on the properties of $0.975(0.8\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3\hat{=}0.2\text{Bi}_{1/2}\text{K}_{1/2}\text{TiO}_3)\hat{=}0.025\text{Bi}_x/3\text{Mg}_y/3\text{Nb}_z/3\text{O}_3$ ceramics. <i>Journal of Materials Research</i> , 2021, 36, 1-11.	1.2	1
11	Optimization of Ferroelectric Ordering and Thermal Stability in $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3$ -Based Lead-Free Single Crystal through Defect Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 60995-61003.	4.0	16
12	Facile synthesis of carbon self-doped g-C <sub>3</sub> N <sub>4</sub> for enhanced photocatalytic hydrogen evolution. <i>Ceramics International</i> , 2020, 46, 7888-7895.	2.3	46
13	Dielectric temperature stability and energy storage performance of B-site $\text{Sn}^{4+}$ -doped BNKBT ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 13620-13627.	1.1	10
14	Graphitic carbon nitride with thermally-induced nitrogen defects: an efficient process to enhance photocatalytic $\text{H}_2$ production performance. <i>RSC Advances</i> , 2020, 10, 18632-18638.	1.7	18
15	Enhanced temperature stable dielectric property and energy-storage performance of $(1-x)(0.66\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\hat{=}0.34\text{Sr}_{0.7}\text{Bi}_{0.2}\text{TiO}_3)\hat{=}x\text{K}_{0.5}\text{Nd}_{0.5}\text{TiO}_3$ lead-free relaxor electroceramics. <i>Ceramics International</i> , 2020, 46, 23194-23199.	2.3	28
16	Enhanced magnetic performance of $\text{BiFeO}_3$ by cerium substitution. <i>Ceramics International</i> , 2020, 46, 26205-26209.	2.3	3
17	<i>In situ</i> synthesis of 3D $\text{Co@Co}_3\text{O}_4$ nanosheet arrays for hybrid supercapacitors with ultra-high rate performance. <i>Journal of Alloys and Compounds</i> , 2020, 826, 154115.	2.8	54
18	Strain properties of $(1-x)\text{Bi}_{0.5}\text{Na}_{0.4}\text{K}_{0.1}\text{TiO}_3\text{-}x\text{Bi}(\text{Mg}_{2/3}\text{Ta}_{1/3})\text{O}_3$ electroceramics. <i>Ceramics International</i> , 2020, 46, 21211-21215.	2.3	19

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19	Enhanced energy-storage performance and temperature-stable dielectric properties of $(1-x)[(\text{Na}_{0.5}\text{Bi}_{0.5})_{0.95}\text{Ba}_{0.05}]_{0.98}\text{La}_{0.02}\text{TiO}_3\text{-xK}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ lead-free ceramics. <i>Ceramics International</i> , 2019, 45, 20427-20434.	2.3	65
20	Study of pseudocapacitive contribution to superior energy storage of 3D heterostructure $\text{CoWO}_4/\text{Co}_3\text{O}_4$ nanocone arrays. <i>Journal of Power Sources</i> , 2019, 418, 202-210.	4.0	121
21	The evaluation of super-capacitive performance of novel $\text{g-C}_3\text{N}_4/\text{PPy}$ nanocomposite electrode material with sandwich-like structure. <i>Composites Part B: Engineering</i> , 2019, 162, 369-377.	5.9	57
22	A Simple Absorbent Cotton Biotemplate to Fabricate $\text{SnO}_2$ Porous Microtubules and Their Gas-Sensing Properties for Chlorine. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 147-155.	3.2	42
23	Large strain response with low driving field in $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3\text{-}\hat{\text{Bi}}_{1/2}\text{K}_{1/2}\text{TiO}_3\text{-}\hat{\text{Bi}}(\text{Mg}_{2/3}\text{Nb}_{1/3})\text{O}_3$ ceramics. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3947-3955.	1.9	50
24	Enhanced energy-storage properties of $(1-x)(0.7\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{-}0.3\text{Bi}_{0.2}\text{Sr}_{0.7}\text{TiO}_3)\text{-xNaNbO}_3$ lead-free ceramics. <i>Ceramics International</i> , 2018, 44, 2782-2788.	2.3	83
25	Giant strain with low hysteresis in A-site-deficient $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ -based lead-free piezoceramics. <i>Acta Materialia</i> , 2017, 128, 337-344.	3.8	222
26	Noble metal-free modified electrode of exfoliated graphitic carbon nitride/ $\text{ZnO}$ nanosheets for highly efficient hydrogen peroxide sensing. <i>Electrochimica Acta</i> , 2017, 247, 787-794.	2.6	102
27	Enhanced Bipolar Strain Response in Lithium/Niobium Co-Doped Sodium-Barium Bismuth Titanate Lead-Free Ceramics. <i>Advanced Engineering Materials</i> , 2017, 19, 1700125.	1.6	23
28	Optical and Tunable Dielectric Properties of $\text{K}_{<sub>0.5</sub>}\text{Na}_{<sub>0.5</sub>}\text{NbO}_{<sub>3</sub>}\text{-}\hat{\text{SrTiO}}_{<sub>3</sub>}$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2016, 99, 146-151.	1.9	81
29	$\text{NiO}/\text{ZnO}$ p-n heterostructures and their gas sensing properties for reduced operating temperature. <i>RSC Advances</i> , 2016, 6, 109091-109098.	1.7	96
30	Enhanced electromechanical properties and conduction behaviors of Aurivillius $\text{Bi}_4\text{Ti}_{2.95}(\text{B}_{1/3}\text{Nb}_{2/3})_{0.05}\text{O}_{12}$ (B=Mg, Zn, Cu) ceramics. <i>Materials Letters</i> , 2016, 174, 242-245.	1.3	30
31	Enhanced energy storage and dielectric properties of $\text{Bi}_{0.487}\text{Na}_{0.427}\text{K}_{0.06}\text{Ba}_{0.026}\text{TiO}_3\text{-xCeO}_2$ anti-ferroelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2016, 664, 632-638.	2.8	57
32	Enhanced energy-storage performance and dielectric characterization of $0.94\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{-}\hat{0.06}\text{BaTiO}_3$ modified by $\text{CaZrO}_3$ . <i>Journal of Alloys and Compounds</i> , 2016, 663, 701-707.	2.8	110
33	Water-assisted ions in situ intercalation for porous polymeric graphitic carbon nitride nanosheets with superior photocatalytic hydrogen evolution performance. <i>Applied Catalysis B: Environmental</i> , 2016, 190, 93-102.	10.8	192
34	Enhanced energy-storage properties of $\text{BaZrO}_3$ -modified $0.80\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{-}\hat{0.20}\text{Bi}_{0.5}\text{K}_{0.5}\text{TiO}_3$ lead-free ferroelectric ceramics. <i>Journal of Materials Science</i> , 2016, 51, 1153-1160.	1.7	53
35	Gas-sensing and electrical properties of perovskite structure p-type barium-substituted bismuth ferrite. <i>RSC Advances</i> , 2015, 5, 29618-29623.	1.7	98
36	A simple melamine-assisted exfoliation of polymeric graphitic carbon nitrides for highly efficient hydrogen production from water under visible light. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22404-22412.	5.2	94

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37	Morphology control of ZnO nanostructures for high efficient dye-sensitized solar cells. <i>Materials Characterization</i> , 2015, 108, 51-57.	1.9	50
38	Composition- and Temperature-Dependent Large Strain in $(1-x)(0.8\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3)_{1-x}(0.2\text{Bi}_{0.5}\text{K}_{0.5}\text{TiO}_3)_x$ $\text{NaNbO}_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1150-1155.	1.9	13
39	Effects of hyperthermia induced crystalline aggregation on properties of $\text{TiO}_2$ thin films. <i>Surface Engineering</i> , 2014, 30, 600-605.	1.1	13
40	Hole conduction and nonlinear current-voltage behavior in multiferroic lanthanum-substituted bismuth ferrite. <i>Journal of Alloys and Compounds</i> , 2014, 615, 916-920.	2.8	16
41	A facile way to synthesize cost-effective ZnO nanorods with enhanced photocatalytic activity. <i>Materials Letters</i> , 2014, 120, 147-150.	1.3	48
42	High oxide ion conducting solid electrolytes of bismuth and niobium co-substituted $\text{La}_2\text{Mo}_2\text{O}_9$ . <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17819-17827.	3.8	21
43	Phase transition, high figure of merit and polar nano-regions in dielectric tunable lanthanum substituted barium titanate. <i>Journal of Alloys and Compounds</i> , 2014, 617, 337-344.	2.8	23
44	Defect dipoles and electrical properties of magnesium B-site substituted sodium potassium niobates. <i>Journal of Alloys and Compounds</i> , 2014, 609, 60-67.	2.8	56
45	Crystal structure and enhanced electromechanical properties of Aurivillius ferroelectric ceramics, $\text{Bi}_4\text{Ti}_3\text{A}_x(\text{Mg}_{1/3}\text{Nb}_{2/3})_x\text{O}_{12}$ . <i>Scripta Materialia</i> , 2014, 75, 70-73.	2.6	64
46	SOLIDIFICATION BEHAVIORS OF HIGHLY UNDER-COOLED Ni-21.4%Si EUTECTIC ALLOY. <i>Jinshu Xuebao/Acta Metallurgica Sinica</i> , 2013, 48, 875-881.	0.3	1
47	MOLECULAR DYNAMICS SIMULATION OF THE ATOM CLUSTER EVOLUTION IN COPPER MELT DURING SOLIDIFICATION PROCESS. <i>Jinshu Xuebao/Acta Metallurgica Sinica</i> , 2012, 48, 703.	0.3	2