

Hua Hao

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58
papers

1,410
citations

17
h-index

37
g-index

61
ext. papers

1,858
ext. citations

3.7
avg, IF

4.62
L-index

#	Paper	IF	Citations
58	Homogeneous/Inhomogeneous-Structured Dielectrics and their Energy-Storage Performances. <i>Advanced Materials</i> , 2017 , 29, 1601727	24	615
57	Structure, Dielectric Properties and Temperature Stability of BaTiO ₃ Bi(Mg _{1/2} Ti _{1/2})O ₃ Perovskite Solid Solutions. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 3412-3417	3.8	123
56	Ultra-Wide Temperature Stable Dielectrics Based on Bi _{0.5} Na _{0.5} TiO ₃ -NaNbO ₃ System. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 3119-3126	3.8	68
55	Structure and Dielectric Properties of BaTiO ₃ BiYO ₃ Perovskite Solid Solutions. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1797-1801	3.8	60
54	A new energy-storage ceramic system based on Bi _{0.5} Na _{0.5} TiO ₃ ternary solid solution. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 322-329	2.1	41
53	Defect structure-electrical property relationship in Mn-doped calcium strontium titanate dielectric ceramics. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 4638-4648	3.8	30
52	Investigation of dielectric and piezoelectric properties in aliovalent Eu ³⁺ -modified Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ ceramics. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 7428-7435	3.8	29
51	Design, fabrication and dielectric properties in core-shell BaTiO ₃ -based ceramics for MLCC application. <i>RSC Advances</i> , 2015 , 5, 8868-8876	3.7	29
50	High breakdown strength and energy storage performance in (Nb, Zn) modified SrTiO ₃ ceramics via synergy manipulation. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 2019-2027	7.1	26
49	Improved energy-storage performance and breakdown enhancement mechanism of Mg-doped SrTiO ₃ bulk ceramics for high energy density capacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 11491-11499	2.1	25
48	Fabrication, structure and property of BaTiO ₃ -based dielectric ceramics with a multilayer core-shell structure. <i>Scripta Materialia</i> , 2012 , 67, 451-454	5.6	23
47	Structure and ferroelectric property of Nb-doped SrBi ₄ Ti ₄ O ₁₅ ceramics. <i>Journal of Electroceramics</i> , 2009 , 22, 357-362	1.5	23
46	Dielectric and Piezoelectric Properties of the Morphotropic Phase Boundary Composition in the (0.8-x) Pb(Mg _{1/3} Ta _{2/3})O ₃ -0.2PbZrO ₃ -PbTiO ₃ Ternary System. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 2232-2235	3.8	22
45	Achieving ultrahigh energy storage performance in bismuth magnesium titanate film capacitors via amorphous-structure engineering. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 13632-13639	7.1	22
44	Progress and perspectives in dielectric energy storage ceramics. <i>Journal of Advanced Ceramics</i> , 2021 , 10, 675-703	10.7	20
43	Preparation and dielectric properties of X ₉ R core-shell BaTiO ₃ ceramics coated by BiAlO ₃ -BaTiO ₃ . <i>Ceramics International</i> , 2016 , 42, 379-387	5.1	19
42	Unfolding dielectric breakdown effects on energy storage performances of modified (Sr _{0.98} Ca _{0.02})(Ti _{1-x} Zr _x)O ₃ ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2018 , 15, 1030 ² -1039 ¹⁷		

41	Dielectric, piezoelectric, and electromechanical properties of morphotropic phase boundary compositions in the $\text{Pb}(\text{Mg}_{1/3}\text{Ta}_{2/3})\text{O}_3\text{PbZrO}_3\text{PbTiO}_3$ ternary system. <i>Journal of Applied Physics</i> , 2009 , 105, 024104	2.5	15
40	A progressive learning method for predicting the band gap of ABO_3 perovskites using an instrumental variable. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3127-3136	7.1	14
39	Lead-Free $\text{SrBi}_4\text{Ti}_4\text{O}_{15}$ and $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Material Fabrication Using the Microwave-Assisted Molten Salt Synthesis Method. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 1659-1662	3.8	14
38	A novel lead-free bismuth magnesium titanate thin films for energy storage applications. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 3819-3822	3.8	14
37	Dielectric and Piezoelectric Properties of Textured Lead-Free $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ -Based Ceramics. <i>Crystals</i> , 2019 , 9, 206	2.3	12
36	X9R BaTiO_3 -Based Dielectric Ceramics with Multilayer Core-Shell Structure Produced by Polymer-Network Gel Coating Method. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 690-693	3.8	12
35	Manganese-Doped $\text{BiFeO}_3\text{BaTiO}_3$ High-Temperature Piezoelectric Ceramics: Phase Structures and Defect Mechanism. <i>International Journal of Applied Ceramic Technology</i> , 2016 , 13, 549-553	2	12
34	Structures and dielectric properties of (Nb, Zn) co-doped SrTiO_3 ceramics at various sintering temperatures. <i>Journal of Materials Science</i> , 2019 , 54, 12401-12410	4.3	11
33	Lead-free relaxor-ferroelectric ceramics for high-energy-storage applications. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 8962-8970	7.1	10
32	Nb-doped $\text{BaTiO}_3(\text{Na}_{1/4}\text{Bi}_{3/4})(\text{Mg}_{1/4}\text{Ti}_{3/4})\text{O}_3$ ceramics with X9R high-temperature stable dielectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 4204-4210	2.1	9
31	Structure, dielectric and impedance properties of $\text{BaTiO}_3\text{Bi}(\text{Y}_{0.5}\text{Yb}_{0.5})\text{O}_3$ lead-free ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 3215-3222	2.1	8
30	Structure and dielectric properties of MgO-coated BaTiO_3 ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 8963-8970	2.1	8
29	Microstructure, ferro-piezoelectric and thermal stability of SiO_2 modified $\text{BiFeO}_3\text{BaTiO}_3$ high temperature piezoceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 479-484	2.1	7
28	Modified $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{PbZrO}_3\text{PbTiO}_3$ ceramics with high piezoelectricity and temperature stability. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 5127-5137	3.8	7
27	Defect structure evolution and electrical properties of BaTiO_3 -based ferroelectric ceramics. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 5129-5138	3.8	6
26	Phase and Microstructure Evaluation and Microwave Dielectric Properties of $\text{Mg}_{1-x}\text{Ni}_x\text{SiO}_3$ Ceramics. <i>Journal of Electronic Materials</i> , 2016 , 45, 5133-5139	1.9	6
25	Manufacture and dielectric properties of X9R Bi-based lead-free multilayer ceramic capacitors with AgPd inner electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 6140-6149	2.1	6
24	Enthralling Storage Properties of $(1-x)\text{La}_{0.03}\text{Na}_{0.91}\text{NbO}_3-x\text{Bi}(\text{Li}_{0.5}\text{Nb}_{0.5})\text{O}_3$ Lead-Free Ceramics: High Energy Storage Applications. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 21993-22002	3.8	5

23	Defect chemistry of A site nonstoichiometry and the resulting dielectric behaviors in $\text{Sr}_{x}\text{Ti}_{0.985}(\text{Nb}_{2/3}\text{Zn}_{1/3})_{0.015}\text{O}_3$ ceramics. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 6298-6307	3.8	4
22	The effects of TiO_2 addition on the phase formation and microwave dielectric properties of $\text{CaLa}_4\text{Ti}_5\text{O}_{17}$ ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 15552-15555	2.1	4
21	The role of diffusion behavior on the formation and evolution of the core-shell structure in BaTiO_3 -based ceramics. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 304-314	3.8	4
20	Influence of Co substitution on the phase, microstructure, and microwave dielectric properties of MgSiO_3 ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 6469-6474	2.1	3
19	Amorphous/Crystalline Engineering of BaTiO_3 -Based Thin Films for Energy-Storage Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 1731-1740	8.3	3
18	Impact of Phase Structure on Piezoelectric Properties of Textured Lead-Free Ceramics. <i>Crystals</i> , 2020 , 10, 367	2.3	3
17	Significantly Enhanced Energy Storage Density of NNT Ceramics Using Alivalent Dy^{3+} Dopant. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 5849-5859	8.3	3
16	A Unique Mechanism for Dielectric-Temperature Stability of BaTiO_3 -Based Ceramics Using $\text{Ba}(\text{OH})_2/\text{TiO}_2$ Suspension. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 14089-14098	3.8	2
15	Characteristics and structure of Mn-doped $(0.6-x)\text{PMT}x.4\text{PT}x\text{PZ}(x = 0.2, 0.25)$ ternary system near morphotropic phase boundary. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 14261-14266	2.1	2
14	Dielectric response of $0.85\text{Ba}(\text{Ti}_{0.96}\text{Zr}_{0.04})\text{O}_{3-0.15}\text{Bi}(\text{Mg}_{0.5}\text{Ti}_{0.5})\text{O}_3$ relaxor ferroelectrics under electric field: evolution of PNRs. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 9146-9151	2.1	2
13	Theoretical analysis on the structure of Nb-doped $\text{SrBi}_4\text{Ti}_4\text{O}_{15}$. <i>International Journal of Quantum Chemistry</i> , 2011 , 111, 669-674	2.1	2
12	Preparation and Properties of Epoxy Piezoelectric Vibration Reduction Composites. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2021 , 36, 44-49	1	2
11	The role of hydrogen peroxide dipping in structural and electrical properties of calcium strontium titanate-based ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 10390-10397	2.1	1
10	Lipoxin A and its analog attenuate high fat diet-induced atherosclerosis via Keap1/Nrf2 pathway.. <i>Experimental Cell Research</i> , 2022 , 412, 113025	4.2	1
9	Phase, Microstructure, and Microwave Dielectric Properties of $(\text{Mg}_{0.95}\text{Co}_{0.05})(\text{Ti}_{1-x}\text{Sn}_x)\text{O}_3$ ($0.05 \leq x \leq 0.20$) Ceramics. <i>Journal of Electronic Materials</i> , 2018 , 47, 7380-7385	1.9	1
8	Effect of Constituent Core-sizes on Microstructure and Dielectric Properties of $\text{BaTiO}_3@(\text{0.6Ba-TiO}_3\text{-0.4BiAlO}_3)$ Core-Shell Material. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018 , 33, 589-597	1	1
7	Mechanism of the giant permittivity in Sm modified SrTiO_3 sintered at different atmospheres. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 11546-11552	2.1	1
6	Electric property, anti-reduction mechanism of $(1-x)\text{BaTiO}_3-x\text{BiCoO}_3-x\text{Mn}$ ceramics. <i>Journal of Materials Research</i> , 2021 , 36, 1037-1047	2.5	1

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| 5 | Improved energy storage properties of La _{0.33} NbO ₃ modified 0.94Bi _{0.5} Na _{0.5} TiO ₃ -0.06BaTiO ₃ ceramic system. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1 | 2.6 | 1 |
| 4 | Structure and properties of Mg-doped SrBi ₄ Ti ₄ O ₁₅ Bi-layered compounds. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2008 , 23, 675-677 | 1 | 0 |
| 3 | Selectively designed Fe doping of lead-free BaTiO ₃ piezoceramics. <i>Journal of Materials Science: Materials in Electronics</i> ,1 | 2.1 | 0 |
| 2 | Energy storage performance of silica-coated k _{0.5} Na _{0.5} NbO ₃ -based lead-free ceramics. <i>Journal of Materials Science: Materials in Electronics</i> ,1 | 2.1 | 0 |
| 1 | Optimized energy storage properties of BaTiO ₃ -based ceramics with enhanced grain boundary effect. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 14328-14336 | 2.1 | |