

Qiu-Xiang Liu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

441
citations

12
h-index

19
g-index

39
ext. papers

616
ext. citations

4.3
avg, IF

3.78
L-index

#	Paper	IF	Citations
38	Oxygen-vacancy-related relaxation and conduction behavior in $(\text{Pb}_{1-x}\text{Ba}_x)(\text{Zr}_{0.95}\text{Ti}_{0.05})\text{O}_3$ ceramics. <i>AIP Advances</i> , 2014 , 4, 107141	1.5	63
37	Resistive Switching Characteristics of HfO Thin Films on Mica Substrates Prepared by Sol-Gel Process. <i>Nanomaterials</i> , 2019 , 9,	5.4	32
36	Antiferroelectric to relaxor ferroelectric phase transition in PbO modified $(\text{Pb}_{0.97}\text{La}_{0.02})(\text{Zr}_{0.95}\text{Ti}_{0.05})\text{O}_3$ ceramics with a large energy-density for dielectric energy storage. <i>RSC Advances</i> , 2017 , 7, 43327-43333	3.7	32
35	Oxygen-Vacancy-Related High Temperature Dielectric Relaxation in $(\text{Pb}_{1-x}\text{Ba}_x)\text{ZrO}_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 551-558	3.8	31
34	Large Electrocaloric Effect in Lead-free $\text{Ba}(\text{Hf}_x\text{Ti}_{1-x})\text{O}_3$ Ferroelectric Ceramics for Clean Energy Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8920-8925	8.3	29
33	Enhanced electrocaloric analysis and energy-storage performance of lanthanum modified lead titanate ceramics for potential solid-state refrigeration applications. <i>Scientific Reports</i> , 2018 , 8, 396	4.9	28
32	Energy storage properties and electrocaloric effect of $\text{Ba}_{0.65}\text{Sr}_{0.35}\text{TiO}_3$ ceramics near room temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 1075-1081	2.1	26
31	Dielectric relaxation and pinning phenomenon of $(\text{Sr},\text{Pb})\text{TiO}_3$ ceramics for dielectric tunable device application. <i>Scientific Reports</i> , 2016 , 6, 31960	4.9	22
30	High-Temperature Dielectric Relaxation Behaviors of Relaxer-Like $\text{PbZrO}_3\text{BrTiO}_3$ Ceramics for Energy-Storage Applications. <i>Energy Technology</i> , 2016 , 4, 633-640	3.5	21
29	Excellent energy storage density and efficiency in lead-free Sm-doped $\text{BaTiO}_3\text{Bi}(\text{Mg}_{0.5}\text{Ti}_{0.5})\text{O}_3$ ceramics. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 13405-13414	7.1	16
28	Giant negative electrocaloric effect in B-site non-stoichiometric $(\text{Pb}_{0.97}\text{La}_{0.02})(\text{Zr}_{0.95}\text{Ti}_{0.05})_{1+y}\text{O}_3$ anti-ferroelectric ceramics. <i>Materials Research Letters</i> , 2018 , 6, 384-389	7.4	14
27	Giant electrocaloric effect in lead zinc niobate titanate single crystal. <i>Journal of Alloys and Compounds</i> , 2017 , 710, 297-301	5.7	12
26	Giant Negative Electrocaloric Effect in Anti-Ferroelectric $(\text{PbLa})(\text{ZrTi})\text{O}$ Ceramics. <i>ACS Omega</i> , 2019 , 4, 14650-14654	3.9	10
25	Improvement of electrical conductivity and leakage current in co-precipitation derived Nd-doping BiFeO_3 ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 495-499	2.1	10
24	Room Temperature Tunable Multiferroic Properties in Sol-Gel-Derived Nanocrystalline $\text{Sr}(\text{TiFe})\text{O}$ Thin Films. <i>Nanomaterials</i> , 2017 , 7,	5.4	9
23	Phase structure analysis and pyroelectric energy harvesting performance of $\text{Ba}(\text{Hf}_x\text{Ti}_{1-x})\text{O}_3$ ceramics. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 3623-3629	3.8	9
22	Paraelectric Matrix-Tuned Energy Storage in $\text{BiFeO}_3\text{BaTiO}_3\text{BrTiO}_3$ Relaxor Ferroelectrics. <i>ACS Applied Energy Materials</i> , 2021 , 4, 9216-9226	6.1	9

21	Multiferroic properties and resistive switching behaviors of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ thin films. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 1-7	8.7	9
20	A highly sensitive, foldable and wearable pressure sensor based on MXene-coated airlaid paper for electronic skin. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12642-12649	7.1	8
19	Bipolar resistive switching characteristics of amorphous SrTiO ₃ thin films prepared by the sol-gel process. <i>Journal of Asian Ceramic Societies</i> , 2019 , 7, 298-305	2.4	7
18	Impedance response and high temperature dielectric relaxation behavior in lead barium strontium zirconate ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 1582-1589	2.1	4
17	Oxygen vacancy effect on ionic conductivity and relaxation phenomenon of Sr _x Ba _{1-x} Nb ₂ O ₆ ceramics. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019 , 68, 227701	0.6	4
16	High-temperature dielectric properties and impedance spectroscopy of PbHf _{1-x} Sr _x O ₃ ceramics. <i>IET Nanodielectrics</i> , 2020 , 3, 131-137	2.8	4
15	A Review of a Good Binary Ferroelectric Ceramic: BaTiO ₃ BiFeO ₃ . <i>ACS Applied Electronic Materials</i> ,	4	4
14	Relaxation Associated with Oxygen Vacancies at High Temperatures and Leakage Current in Ba _x Sr _{1-x} TiO ₃ Ceramics. <i>Journal of Electronic Materials</i> , 2016 , 45, 3174-3182	1.9	4
13	B-site non-stoichiometric (Pb _{0.97} La _{0.02})(Zr _{0.95} Ti _{0.05})O ₃ antiferroelectric ceramics for energy storage. <i>Journal of Asian Ceramic Societies</i> , 2018 , 6, 240-246	2.4	3
12	Ferroelectric and Pyroelectric Properties of Highly (111)-oriented Nanocrystalline Pb(Zr _{0.95} Ti _{0.05})O ₃ Thin Films. <i>Chinese Journal of Chemical Physics</i> , 2007 , 20, 763-767	0.9	3
11	Pyroelectric energy harvesting and ferroelectric properties of PbxSr _{1-x} TiO ₃ ceramics. <i>Journal of Asian Ceramic Societies</i> , 2020 , 8, 1147-1153	2.4	3
10	Enhancement of the photoelectric properties of composite oxide TiO ₂ -SrTiO ₃ thin films. <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	3
9	Ultra-high dielectric tuning performance and double-set resistive switching effect achieved on the BiNiMnO thin film prepared by sol-gel method. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 913-919	8.3	3
8	Effect of annealing temperature on dielectric and pyroelectric property of highly (111)-oriented (Pb _{0.98} La _{0.02})(Zr _{0.95} Ti _{0.05}) _{0.995} O ₃ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 1784-1788	2.1	2
7	Excellent Bidirectional Adjustable Multistage Resistive Switching Memory in BiFeCrO Thin Film. <i>ACS Applied Materials & Interfaces</i> , 2020 ,	9.5	2
6	High temperature dielectric anomaly and impedance analysis of (Pb _{1-x} /2La _x)(Zr _{0.95} Ti _{0.05})O ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 14864-14873	2.1	1
5	Influence of LaNiO ₃ and LaNi _{0.5} Mn _{0.5} O ₃ Buffer Layers on the Structural and Electrical Properties of BiNi _{0.5} Mn _{0.5} O ₃ Thin Films. <i>Journal of Electronic Materials</i> , 2015 , 44, 3783-3787	1.9	1
4	Excellent Bipolar Resistive Switching Characteristics of BiTiO Thin Films Prepared via Sol-Gel Process. <i>Nanomaterials</i> , 2021 , 11,	5.4	1

3	Ferroelectric Diode Effect with Temperature Stability of Double Perovskite BiNiMnO Thin Films. <i>Nanomaterials</i> , 2019 , 9,	5.4	1
2	Modified relaxor ferroelectrics in BiFeO ₃ -(Ba,Sr)TiO ₃ -BiScO ₃ ceramics for energy storage applications. <i>Sustainable Materials and Technologies</i> , 2022 , e00428	5.3	1
1	The transformation of digital to analog resistance switching behavior in Bi ₂ FeCrO ₆ thin films. <i>Journal of Asian Ceramic Societies</i> ,1-7	2.4	0