Qiu-Xiang Liu

List of Publications by Year
in descending order

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39 papers	795 citations	516215 16 h-index	525886 27 g-index
39 all docs	39 docs citations	39 times ranked	833 citing authors

#	Article	IF	Citations
1	Oxygen-vacancy-related relaxation and conduction behavior in (Pb1-xBax)(Zr0.95Ti0.05)O3 ceramics. AIP Advances, 2014, 4, .	0.6	98
2	Resistive Switching Characteristics of HfO2 Thin Films on Mica Substrates Prepared by Sol-Gel Process. Nanomaterials, 2019, 9, 1124.	1.9	55
3	Excellent energy storage density and efficiency in lead-free Sm-doped BaTiO₃â€“Bi(Mg_{0.5}Ti_{0.5})O₃ ceramics. Journal of Materials Chemistry C, 2020, 8, 13405-13414.	2.7	55
4	Antiferroelectric to relaxor ferroelectric phase transition in PbO modified (Pb_{0.97}La_{0.02})(Zr_{0.95}Ti_{0.05})O₃ ceramics with a large energy-density for dielectric energy storage. RSC Advances, 2017, 7, 43327-43333.	1.7	50
5	Large Electrocaloric Effect in Lead-free Ba(Hf_xTi_{1â€“x})O₃ Ferroelectric Ceramics for Clean Energy Applications. ACS Sustainable Chemistry and Engineering, 2018, 6, 8920-8925.	3.2	44
6	Oxygenâ€Vacancyâ€Related High Temperature Dielectric Relaxation in (Pb_{1â^’x}Ba_x)ZrO₃ Ceramics. Journal of the American Ceramic Society, 2015, 98, 551-558.	1.9	42
7	A Review of a Good Binary Ferroelectric Ceramic: BaTiO₃â€“BiFeO₃. ACS Applied Electronic Materials, 2022, 4, 2109-2145.	2.0	40
8	Energy storage properties and electrocaloric effect of Ba0.65Sr0.35TiO3 ceramics near room temperature. Journal of Materials Science: Materials in Electronics, 2018, 29, 1075-1081.	1.1	37
9	Enhanced electrocaloric analysis and energy-storage performance of lanthanum modified lead titanate ceramics for potential solid-state refrigeration applications. Scientific Reports, 2018, 8, 396.	1.6	35
10	A highly sensitive, foldable and wearable pressure sensor based on MXene-coated airlaid paper for electronic skin. Journal of Materials Chemistry C, 2021, 9, 12642-12649.	2.7	35
11	Paraelectric Matrix-Tuned Energy Storage in BiFeO₃â€“BaTiO₃â€“SrTiO₃ Relaxor Ferroelectrics. ACS Applied Energy Materials, 2021, 4, 9216-9226.	2.5	30
12	Highâ€Temperature Dielectric Relaxation Behaviors of Relaxerâ€Like PbZrO₃â€“SrTiO₃ Ceramics for Energyâ€Storage Applications. Energy Technology, 2016, 4, 633-640.	1.8	26
13	Dielectric relaxation and pinning phenomenon of (Sr,Pb)TiO3 ceramics for dielectric tunable device application. Scientific Reports, 2016, 6, 31960.	1.6	25
14	Giant negative electrocaloric effect in B-site non-stoichiometric (Pb_{0.97}La_{0.02})(Zr_{0.95}Ti_{0.05})_{1+y}O₃ anti-ferroelectric ceramics. Materials Research Letters, 2018, 6, 384-389.	3.1	20
15	Multiferroic properties and resistive switching behaviors of Ni0.5Zn0.5Fe2O4 thin films. Advanced Composites and Hybrid Materials, 2021, 4, 1-7.	9.9	19
16	Bipolar resistive switching characteristics of amorphous SrTiO₃thin films prepared by the sol-gel process. Journal of Asian Ceramic Societies, 2019, 7, 298-305.	1.0	16
17	Enhancement of the photoelectric properties of composite oxide TiO2-SrTiO3 thin films. Advanced Composites and Hybrid Materials, 2022, 5, 1557-1565.	9.9	15
18	Giant electrocaloric effect in lead zinc niobate titanate single crystal. Journal of Alloys and Compounds, 2017, 710, 297-301.	2.8	14

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19	Room Temperature Tunable Multiferroic Properties in Sol-Gel-Derived Nanocrystalline Sr(Ti1â^'xFex)O3â^Î´ Thin Films. Nanomaterials, 2017, 7, 264.	1.9	13
20	Giant Negative Electrocaloric Effect in Anti-Ferroelectric (Pb_{0.97}La_{0.02})(Zr_{0.95}Ti_{0.05})O₃ Ceramics. ACS Omega, 2019, 4, 14650-14654.	1.6	13
21	Improvement of electrical conductivity and leakage current in co-precipitation derived Nd-doping BiFeO3 ceramics. Journal of Materials Science: Materials in Electronics, 2014, 25, 495-499.	1.1	11
22	Excellent Bidirectional Adjustable Multistage Resistive Switching Memory in Bi₂FeCrO₆ Thin Film. ACS Applied Materials & Interfaces, 2020, 12, 54168-54173.	4.0	11
23	Ultra-high dielectric tuning performance and double-set resistive switching effect achieved on the Bi2NiMnO6 thin film prepared by solâ€“gel method. Journal of Colloid and Interface Science, 2022, 606, 913-919.	5.0	11
24	Highâ€temperature dielectric properties and impedance spectroscopy of PbHf_{1â^'x}Sn_xO₃ceramics. IET Nanodielectrics, 2020, 3, 131-137.	2.0	10
25	Phase structure analysis and pyroelectric energy harvesting performance of Ba(Hf_xTi_{1â€x})O₃ ceramics. Journal of the American Ceramic Society, 2019, 102, 3623-3629.	1.9	9
26	Excellent Bipolar Resistive Switching Characteristics of Bi4Ti3O12 Thin Films Prepared via Sol-Gel Process. Nanomaterials, 2021, 11, 2705.	1.9	9
27	Oxygen vacancy effect on ionic conductivity and relaxation phenomenon of Sr_{<i>x</i>}Ba_{1â€“<i>x</i>}Nb₂O<sub>6 ceramics. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 227701.		
28	B-site non-stoichiometric (Pb_{0.97}La_{0.02})(Zr_{0.95}Ti_{0.05})O₃ antiferroelectric ceramics for energy storage. Journal of Asian Ceramic Societies, 2018, 6, 240-246.	1.0	6
29	Pyroelectric energy harvesting and ferroelectric properties of PbxSr1-xTiO3 ceramics. Journal of Asian Ceramic Societies, 2020, 8, 1147-1153.	1.0	6
30	An Artificial Synapse Based on CsPbI3 Thin Film. Micromachines, 2022, 13, 284.	1.4	6
31	Ferroelectric and Pyroelectric Properties of Highly (111)-oriented Nanocrystalline Pb(Zr_{0.95}Ti_{0.05})O₃ Thin Films. Chinese Journal of Chemical Physics, 2007, 20, 763-767.	0.6	4
32	Relaxation Associated with Oxygen Vacancies at High Temperatures and Leakage Current in Ba x Sr1â^'x TiO3 Ceramics. Journal of Electronic Materials, 2016, 45, 3174-3182.	1.0	4
33	Impedance response and high temperature dielectric relaxation behavior in lead barium strontium zirconate ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 1582-1589.	1.1	4
34	Modified relaxor ferroelectrics in BiFeO3-(Ba,Sr)TiO3-BiScO3 ceramics for energy storage applications. Sustainable Materials and Technologies, 2022, , e00428.	1.7	4
35	Effect of annealing temperature on dielectric and pyroelectric property of highly (111)-oriented (Pb0.98La0.02)(Zr0.95Ti0.05)0.995O3 thin films. Journal of Materials Science: Materials in Electronics, 2015, 26, 1784-1788.	1.1	3
36	Ferroelectric Diode Effect with Temperature Stability of Double Perovskite Bi2NiMnO6 Thin Films. Nanomaterials, 2019, 9, 1783.	1.9	3

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37	The transformation of digital to analog resistance switching behavior in Bi₂FeCrO₆ thin films. Journal of Asian Ceramic Societies, 2021, 9, 851-857.	1.0	2
38	Influence of LaNiO3 and LaNi0.5Mn0.5O3 Buffer Layers on the Structural and Electrical Properties of BiNi0.5Mn0.5O3 Thin Films. Journal of Electronic Materials, 2015, 44, 3783-3787.	1.0	1
39	High temperature dielectric anomaly and impedance analysis of (Pb1â˜'3x/2La x)(Zr0.95Ti0.05)O3 ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 14864-14873.	1.1	1