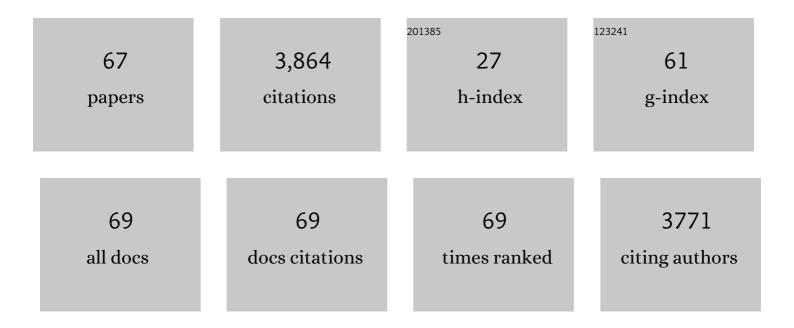
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Large Electrocaloric Effect in Ferroelectric Polymers Near Room Temperature. Science, 2008, 321, 821-823.	6.0	1,004
2	Electrocaloric Materials for Solid‣tate Refrigeration. Advanced Materials, 2009, 21, 1983-1987.	11.1	390
3	Electrocaloric Cooling Materials and Devices for Zero-Global-Warming-Potential, High-Efficiency Refrigeration. Joule, 2019, 3, 1200-1225.	11.7	236
4	Anode Improvement in Rechargeable Lithium–Sulfur Batteries. Advanced Materials, 2017, 29, 1700542.	11.1	225
5	Pyroelectric and electrocaloric materials. Journal of Materials Chemistry C, 2013, 1, 23-37.	2.7	202
6	Nanoflake Arrays of Lithiophilic Metal Oxides for the Ultraâ€Stable Anodes of Lithiumâ€Metal Batteries. Advanced Functional Materials, 2018, 28, 1803023.	7.8	156
7	Oxygen-vacancy-related relaxation and conduction behavior in (Pb1- <i>x</i> Ba <i>x</i>)(Zr0.95Ti0.05)O3 ceramics. AIP Advances, 2014, 4, .	0.6	98
8	Large Electrocaloric Effect in Relaxor Ferroelectric and Antiferroelectric Lanthanum Doped Lead Zirconate Titanate Ceramics. Scientific Reports, 2017, 7, 45335.	1.6	98
9	High-performance lithium ion batteries using SiO 2 -coated LiNi 0.5 Co 0.2 Mn 0.3 O 2 microspheres as cathodes. Journal of Alloys and Compounds, 2017, 709, 708-716.	2.8	90
10	Direct Measurement of Large Electrocaloric Effect in Ba(Zr _{<i>x</i>} Ti _{1–<i>x</i>})O ₃ Ceramics. ACS Applied Materials & Interfaces, 2018, 10, 4801-4807.	4.0	90
11	High energy-storage density of lead-free BiFeO3 doped Na0.5Bi0.5TiO3-BaTiO3 thin film capacitor with good temperature stability. Journal of Alloys and Compounds, 2018, 757, 169-176.	2.8	79
12	Multifunctionality of lead-free BiFeO3-based ergodic relaxor ferroelectric ceramics: High energy storage performance and electrocaloric effect. Journal of Alloys and Compounds, 2019, 803, 185-192.	2.8	79
13	A Review of Advanced Flexible Lithiumâ€lon Batteries. Advanced Materials Technologies, 2018, 3, 1700375.	3.0	73
14	Multiferroic Polymer Composites with Greatly Enhanced Magnetoelectric Effect under a Low Magnetic Bias. Advanced Materials, 2011, 23, 3853-3858.	11.1	72
15	Enhancement of dielectric energy density in the poly(vinylidene fluoride)-based terpolymer/copolymer blends. Applied Physics Letters, 2008, 93, 152903.	1.5	67
16	Enhanced electrochemical performance of ZrO2 modified LiNi0.6Co0.2Mn0.2O2 cathode material for lithium ion batteries. Ceramics International, 2017, 43, 15173-15178.	2.3	64
17	An Ultra-Long-Life Flexible Lithium–Sulfur Battery with Lithium Cloth Anode and Polysulfone-Functionalized Separator. ACS Nano, 2021, 15, 1358-1369.	7.3	53
18	Enhanced electrocaloric effect at room temperature in Mn2+ doped lead-free (BaSr)TiO3 ceramics via a direct measurement. Journal of Advanced Ceramics, 2021, 10, 482-492.	8.9	40

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19	Large Electrocaloric Effect in a Dielectric Liquid Possessing a Large Dielectric Anisotropy Near the Isotropic–Nematic Transition. Advanced Functional Materials, 2013, 23, 2894-2898.	7.8	37
20	Enhanced Electrocaloric Effect in Sr ²⁺ -Modified Lead-Free BaZr <i>_x</i> Ti _{1–<i>x</i>} O ₃ Ceramics. ACS Applied Materials & Interfaces, 2019, 11, 20167-20173.	4.0	37
21	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
22	Enhancement of the electrocaloric effect over a wide temperature range in PLZT ceramics by doping with Gd3+ and Sn4+ ions. Journal of the European Ceramic Society, 2019, 39, 1093-1102.	2.8	35
23	A Selfâ€Healing Amalgam Interface in Metal Batteries. Advanced Materials, 2020, 32, e2004798.	11.1	34
24	LARGE ELECTROCALORIC EFFECT IN RELAXOR FERROELECTRICS. Journal of Advanced Dielectrics, 2012, 02, 1230011.	1.5	33
25	High thermal conductivity and low electrical conductivity tailored in carbon nanotube (carbon) Tj ETQq1 1 0.7843	14 rgBT /(3.8	Oyerlock 10
26	Dielectric, Ferroelectric, and Magnetic Properties of Sm-Doped BiFeO3 Ceramics Prepared by a Modified Solid-State-Reaction Method. Materials, 2018, 11, 2208.	1.3	29
27	Enhancement of the Oil Absorption Capacity of Poly(Lactic Acid) Nano Porous Fibrous Membranes Derived via a Facile Electrospinning Method. Applied Sciences (Switzerland), 2019, 9, 1014.	1.3	29
28	Enhanced electrocaloric strengths at room temperature in (SrxBa1â^'x)(Sn0.05Ti0.95)O3 lead-free ceramics. Journal of Alloys and Compounds, 2021, 871, 159519.	2.8	27
29	Enhanced Electrocaloric Effect in 0.73Pb(Mg1/3Nb2/3)O3-0.27PbTiO3 Single Crystals via Direct Measurement. Crystals, 2020, 10, 451.	1.0	25
30	Direct and indirect measurement of large electrocaloric effect in barium strontium titanate ceramics. International Journal of Applied Ceramic Technology, 2020, 17, 1354-1361.	1.1	23
31	Superior energy storage density and giant negative electrocaloric effects in (Pb0.98La0.02)(Zr, Sn)O3 antiferroelectric ceramics. Scripta Materialia, 2021, 200, 113920.	2.6	21
32	Giant negative electrocaloric effect in B-site non-stoichiometric (Pb _{0.97} La _{0.02})(Zr _{0.95} Ti _{0.05}) _{1+<i>y</i>} O <sub anti-ferroelectric ceramics. Materials Research Letters, 2018, 6, 384-389.</sub 	> 3. 4/sub>	20
33	Enhanced piezoelectric properties and electrocaloric effect in novel leadâ€free (Bi _{0.5} K _{0.5})TiO ₃ â€La(Mg _{0.5} Ti _{0.5})O _{3ceramics. Journal of the American Ceramic Society, 2018, 101, 5503-5513.}	b 1 .9	20
34	Investigations on the properties of Li3xLa2/3-xTiO3 based all-solid-state supercapacitor: Relationships between the capacitance, ionic conductivity, and temperature. Journal of the European Ceramic Society, 2020, 40, 2396-2403.	2.8	20
35	Composition dependence of giant electrocaloric effect in Pb Sr1-TiO3 ceramics for energy-related applications. Journal of Materiomics, 2019, 5, 118-126.	2.8	19
36	Metallic coloration on polyester fabric with sputtered copper and copper oxides films. Vacuum, 2020, 178, 109489.	1.6	19

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37	Direct and indirect measurement of large electrocaloric effect in B2O3-ZnO glass modified Ba0.65Sr0.35TiO3 bulk ceramics. Scripta Materialia, 2021, 193, 59-63.	2.6	17
38	Large energy-storage density and positive electrocaloric effect in <i>x</i> BiFeO ₃ –(1 â^') Tj ETQqC 1302-1312.) 0 0 rgBT 2.7	/Overlock 10 17
39	Enhancement of energy-storage properties in BiFeO3-based lead-free bulk ferroelectrics. Ceramics International, 2022, 48, 16792-16799.	2.3	17
40	Large electrocaloric effect in lead-free Ba(ZrxTi1-x)O3 thick film ceramics. Journal of Alloys and Compounds, 2018, 742, 165-171.	2.8	15
41	Asymmetric diffusion of Zr, Sc and Ce, Gd at the interface between zirconia electrolyte and ceria interlayer for solid oxide fuel cells. Journal of Alloys and Compounds, 2016, 679, 191-195.	2.8	14
42	Large electrocaloric effect in BaTiO3 based multilayer ceramic capacitors. Science China Technological Sciences, 2016, 59, 1054-1058.	2.0	14
43	Enhanced energy-storage density and temperature stability of Pb0.89La0.06Sr0.05(Zr0.95Ti0.05)O3 anti-ferroelectric thin ï¬Im capacitor. Journal of Materiomics, 2022, 8, 239-246.	2.8	14
44	Influence of electric field on the phenomenological coefficient and electrocaloric strength in ferroelectrics. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 127701.	0.2	12
45	Structural coloration and its application to textiles: a review. Journal of the Textile Institute, 2020, 111, 756-764.	1.0	11
46	Large electrocaloric effect in tetragonal perovskite 0.03Bi(Mg1/2Ti1/2)O3–0.97(0.875Bi1/2Na1/2TiO3–0.125BaTiO3) lead-free ferroelectric ceramics. Scripta Materialia, 2019, 162, 256-260.	2.6	10
47	Enhancement of solvent uptake in porous PVDF nanofibers derived by a water-mediated electrospinning technique. Journal of Materiomics, 2021, 7, 244-253.	2.8	10
48	Dimensional analysis of Niâ€NiO grains at anode/electrolyte interface for <scp>SOFC</scp> during redox reaction. International Journal of Applied Ceramic Technology, 2017, 14, 543-549.	1.1	9
49	Preparation and electrochemical properties of Li0.33Sr La0.56–2/3TiO3-based solid-state ionic supercapacitor. Ceramics International, 2019, 45, 2584-2590.	2.3	9
50	Large electrocaloric effect obtained in Ba(Sn _{<i>x</i>} Tilâ^'x)O ₃ lead-free ceramics using direct and indirect measurements. Journal of Advanced Dielectrics, 2018, 08, 1850038.	1.5	8
51	Metallic coloration with Cu/CuO coating on polypropylene nonwoven fabric via a physical vapor deposition method and its multifunctional properties. Journal of the Textile Institute, 2022, 113, 1345-1354.	1.0	8
52	The Effects of Aluminum-Nitride Nano-Fillers on the Mechanical, Electrical, and Thermal Properties of High Temperature Vulcanized Silicon Rubber for High-Voltage Outdoor Insulator Applications. Materials, 2019, 12, 3562.	1.3	7
53	Antibacterial and ultraviolet protective neodymium-doped TiO ₂ film coated on polypropylene nonwoven fabric via a sputtering method. Journal of Engineered Fibers and Fabrics, 2021, 16, 155892502110252.	0.5	7
54	Experimental and theoretical studies of a thermal switch based on shape-memory alloy cladded with graphene paper. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, 42, 898-908.	1.2	6

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55	Direct measurement of enhanced electrocaloric effect in Mn2+ doped lead-free Ba(ZrTi)O3 ceramics. Scripta Materialia, 2020, 176, 67-72.	2.6	6
56	Effects of organic additives on the microstructural, rheological and electrical properties of silver paste for LTCC applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 14368-14384.	1.1	6
57	Electrical and thermal properties of surface passivated carbon nanotube/polyvinylidene fluoride composites. IET Nanodielectrics, 2018, 1, 122-126.	2.0	5
58	Large energy storage density and electrocaloric strength of Pb0.97La0.02(Zr0.46-xSn0.54Tix)O3 antiferroelectric thick film ceramics. Scripta Materialia, 2022, 210, 114426.	2.6	5
59	Conversion of layered materials to ultrathin amorphous nanosheets induced by ball-milling insertion and pure-water exfoliation. Journal of Materials Chemistry A, 2022, 10, 11766-11773.	5.2	5
60	Electrospinning-Derived PLA/Shellac/PLA Sandwich—Structural Membrane Sensor for Detection of Alcoholic Vapors with a Low Molecular Weight. Applied Sciences (Switzerland), 2019, 9, 5419.	1.3	4
61	Novel barium zirconate titanate-based lead-free ceramics with stably high energy storage performance over a broad temperature and frequency range. Journal of Materials Science: Materials in Electronics, 2021, 32, 11845-11856.	1.1	4
62	Pore orientation of the gadoliniaâ€doped ceria cathode interlayer for a tubular SOFC using dipâ€coating. International Journal of Applied Ceramic Technology, 2017, 14, 185-190.	1.1	3
63	Preparation and Characterization of FC Films Coated on PET Substrates by RF Magnetron Sputtering. MATEC Web of Conferences, 2018, 142, 03008.	0.1	3
64	Metallic coloration and multifunctional preparation on fabrics via nitriding reactive sputtering with copper and titanium targets. Vacuum, 2022, 202, 111177.	1.6	3
65	Multifunctionality in (K,Na)NbO3-based ceramic near polymorphic phase boundary. Journal of Applied Physics, 2021, 130, 064102.	1.1	2
66	Recent Advances in the Applications of Ferroelectric Polymers. Recent Patents on Materials Science, 2010, 3, 40-56.	0.5	1
67	High performance electrostatically driven thermal switch incorporated with a mini-channel cooling. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-16.	1.2	0