

Zuo-Guang Ye

List of Publications by Year in descending order

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387
papers

16,751
citations

17440

63
h-index

20358

116
g-index

398
all docs

398
docs citations

398
times ranked

8687
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in relaxor ferroelectrics with perovskite structure. Journal of Materials Science, 2006, 41, 31-52.	3.7	1,842
2	Phase diagram of the ferroelectric relaxor $(1-x)\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3-x\text{PbTiO}_3$. Physical Review B, 2002, 66, .	3.2	765
3	The origin of ultrahigh piezoelectricity in relaxor-ferroelectric solid solution crystals. Nature Communications, 2016, 7, 13807.	12.8	510
4	Monoclinic phase in the relaxor-based piezoelectric/ferroelectric $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$ system. Physical Review B, 2001, 64, .	3.2	335
5	Enhanced energy-storage performance with excellent stability under low electric fields in BNT-ST relaxor ferroelectric ceramics. Journal of Materials Chemistry C, 2019, 7, 281-288.	5.5	324
6	Phase diagram of the relaxor ferroelectric $(1-x)\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$. Physical Review B, 2002, 65, .	3.2	303
7	Electric-field-induced redistribution of polar nano-regions in a relaxor ferroelectric. Nature Materials, 2006, 5, 134-140.	27.5	277
8	DIELECTRIC RELAXATION IN RELAXOR FERROELECTRICS. Journal of Advanced Dielectrics, 2012, 02, 1241010.	2.4	275
9	Super-elastic ferroelectric single-crystal membrane with continuous electric dipole rotation. Science, 2019, 366, 475-479.	12.6	272
10	Morphotropic domain structures and phase transitions in relaxor-based piezo-/ferroelectric $(1-x)\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$ single crystals. Journal of Applied Physics, 2000, 87, 2312-2319.	2.5	252
11	Optical, dielectric and polarization studies of the electric field-induced phase transition in $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ [PMN]. Ferroelectrics, 1993, 145, 83-108.	0.6	244
12	The missing boundary in the phase diagram of $\text{PbZr}_{1-x}\text{Ti}_x\text{O}_3$. Nature Communications, 2014, 5, 5231.	12.8	234
13	Ferroelectric to relaxor crossover and dielectric phase diagram in the $\text{BaTiO}_3-x\text{BaSnO}_3$ system. Journal of Applied Physics, 2007, 101, 084105.	2.5	216
14	Empirical scaling of the dielectric permittivity peak in relaxor ferroelectrics. Physical Review B, 2003, 68, .	3.2	213
15	Structural and magnetic characterization of multiferroic $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle$		

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19	Phenomenological description of dielectric permittivity peak in relaxor ferroelectrics. Solid State Communications, 2000, 116, 105-108.	1.9	165
20	Soft Mode Dynamics above and below the Burns Temperature in the Relaxor $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$. Physical Review Letters, 2001, 87, 277601.	7.8	164
21	Polymer Matrix Nanocomposites with 1D Ceramic Nanofillers for Energy Storage Capacitor Applications. ACS Applied Materials & Interfaces, 2020, 12, 1-37.	8.0	163
22	High-temperature solution growth and characterization of the piezo-/ferroelectric $(1-x)\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$ [PMNT] single crystals. Journal of Crystal Growth, 2000, 209, 81-90.	1.5	160
23	Development of ferroelectric order in relaxor $(1-x)\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$ ($0 < x < \sim 0.15$). Physical Review B, 2003, 67, .	3.2	159
24	Ferroelectric ordering in the relaxor $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ as evidenced by low-temperature phonon anomalies. Physical Review B, 2002, 65, .	3.2	148
25	Effects of chemical modification on the electrical properties of $0.67\text{BiFeO}_3-x\text{PbTiO}_3$ ferroelectric ceramics. Ceramics International, 2004, 30, 1435-1442.	4.8	146
26	Bismuth Aluminate: A New High- T_C Lead-Free Piezo-/ferroelectric. Chemistry of Materials, 2007, 19, 6385-6390.	6.7	141
27	High-Performance Piezoelectric Single Crystals of Complex Perovskite Solid Solutions. MRS Bulletin, 2009, 34, 277-283.	3.5	129
28	Role of random electric fields in relaxors. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1754-1759.	7.1	129
29	Temperature evolution of the relaxor dynamics in $\text{Pb}(\text{Zn}_{1-x}\text{Nb}_{2-x}\text{O}_3)$: A critical Raman analysis. Physical Review B, 2005, 72, .	3.2	124
30	Surface Domain Structures and Mesoscopic Phase Transition in Relaxor Ferroelectrics. Advanced Functional Materials, 2011, 21, 1977-1987.	14.9	113
31	The relation of local order to material properties in relaxor ferroelectrics. Nature Materials, 2018, 17, 718-724.	27.5	113
32	New Antiferroelectric Perovskite System with Ultrahigh Energy-Storage Performance at Low Electric Field. Chemistry of Materials, 2019, 31, 979-990.	6.7	108
33	Reassessment of the Burns temperature and its relationship to the diffuse scattering, lattice dynamics, and thermal expansion in relaxor $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$. http://www.w3.org/1998/Math/MathML		

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37	Crystal chemistry and domain structure of relaxor piezocrystals. <i>Current Opinion in Solid State and Materials Science</i> , 2002, 6, 35-44.	11.5	88
38	Pseudo-binary phase diagram and crystal growth of [PMN]. <i>Materials Research Bulletin</i> , 1990, 25, 739-748.	5.2	85
39	Optically isotropic and monoclinic ferroelectric phases in $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$. <i>Physical Review B</i> , 2010, 81, .	3.2	84
40	Improved dielectric and ferroelectric properties of high Curie temperature $(1-x)\text{BiFeO}_3-x\text{PbTiO}_3$ ceramics by aliovalent ionic substitution. <i>Applied Physics Letters</i> , 2006, 89, 232904.	3.3	82
41	Dielectric and electric properties of donor- and acceptor-doped ferroelectric $\text{SrBi}_2\text{Ta}_2\text{O}_9$. <i>Journal of Applied Physics</i> , 2001, 90, 934-941.	2.5	81
42	Universal static and dynamic properties of the structural transition in $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$. <i>Physical Review B</i> , 2004, 69, .	3.2	81
43	Electrocaloric properties in relaxor ferroelectric $(1-x)\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$ system. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	81
44	Lead-free piezoelectric ceramics derived from the $\text{K}_0.5\text{Na}_0.5\text{NbO}_3-x\text{AgNbO}_3$ solid solution system. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	80
45	Size-dependences of the dielectric and ferroelectric properties of $\text{BaTiO}_3/\text{polyvinylidene fluoride}$ nanocomposites. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	80
46	Toward a Reliable Synaptic Simulation Using Al-Doped HfO_2 RRAM. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10648-10656.	8.0	80
47	Single Crystal Study of Competing Rhombohedral and Monoclinic Order in Lead Zirconate Titanate. <i>Physical Review Letters</i> , 2010, 105, 207601.	7.8	79
48	Dielectric dispersion and critical behavior in relaxor ferroelectric $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$. <i>Applied Physics Letters</i> , 2000, 77, 1888.	3.3	78
49	Ground state of the relaxor ferroelectric $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$. <i>Physical Review B</i> , 2003, 67, .	3.2	77
50	Direct evidence of mesoscopic dynamic heterogeneities at the surfaces of ergodic ferroelectric relaxors. <i>Physical Review B</i> , 2010, 81, .	3.2	77
51	High pyroelectricity in lead-free $0.5\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3-x0.5(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ ceramics. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 195301.	2.8	76
52	Composition dependence of the diffuse scattering in the relaxor ferroelectric compound $(1-x)\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$ ($0 \leq x \leq 0.40$). <i>Physical Review B</i> , 2006, 74, .	3.2	73
53	Static and dynamic polar nanoregions in relaxor ferroelectric $\text{Ba}(\text{Ti}_{0.9}\text{Zr}_{0.1})\text{O}_3$. <i>Physical Review B</i> , 2006, 74, .	3.2	73
54	Phase transition enhanced superior elasticity in freestanding single-crystalline multiferroic BiFeO_3 membranes. <i>Science Advances</i> , 2020, 6, .	10.3	73

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55	Relaxor ferroelectric $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$: Properties and present understanding. <i>Ferroelectrics</i> , 1996, 184, 193-208.	0.6	72
56	Neutron scattering study of the relaxor ferroelectric $(1-x)\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$. <i>Physical Review B</i> , 2003, 67, .	3.2	72
57	Quantitative Determination on Ionic Liquid Gating Control of Interfacial Magnetism. <i>Advanced Materials</i> , 2017, 29, 1606478.	21.0	72
58	Mode coupling and polar nanoregions in the relaxor ferroelectric $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$. <i>Physical Review B</i> , 2002, 66, .	3.2	71
59	Diffuse neutron scattering study of a disordered complex perovskite $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$ crystal. <i>Physical Review B</i> , 2001, 64, .	3.2	70
60	Quasi-ferroelectric state in $\text{Ba}(\text{Ti}_{1-x}\text{Zr}_x)\text{O}_3$ relaxor: dielectric spectroscopy evidence. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 092001.	1.8	68
61	Voltage Control of Metal-insulator Transition and Non-volatile Ferroelastic Switching of Resistance in $\text{VO}_x/\text{PMN-PT}$ Heterostructures. <i>Scientific Reports</i> , 2014, 4, 5931.	3.3	67
62	Re-entrant type relaxor behavior in $(1-x)\text{BaTiO}_3-x\text{BiScO}_3$ solid solution. <i>Applied Physics Letters</i> , 2008, 92, 172901.	3.3	64
63	Preparation and Characterization of New $\text{Pb}(\text{Yb}_{1/2}\text{Nb}_{1/2})\text{O}_3-\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-\text{PbTiO}_3$ Ternary Piezo-/Ferroelectric Crystals. <i>Chemistry of Materials</i> , 2010, 22, 5588-5592.		
64	The non-rhombohedral low-temperature structure of $\text{PMN}\sim 10\%$ PT. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 7113-7121.	1.8	61
65	Universal relaxor polarization in $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ and related materials. <i>Physical Review B</i> , 2002, 66, .	3.2	60
66	Interface-engineered reliable HfO_2 -based RRAM for synaptic simulation. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12682-12687.	5.5	60
67	Room-temperature ferromagnetic/ferroelectric BiFeO_3 synthesized by a self-catalyzed fast reaction process. <i>Journal of Materials Chemistry</i> , 2010, 20, 6512.	6.7	59
68	Domain structures and phase transitions of the relaxor-based piezo-/ ferroelectric $(1-x)\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$ single crystals. <i>Ferroelectrics</i> , 1999, 229, 223-232.	0.6	58
69	Low-frequency dielectric spectroscopy of the relaxor ferroelectric $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$. <i>Physical Review B</i> , 2002, 65, .	3.2	58
70	Double freezing of dielectric response in relaxor $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ crystals. <i>Physical Review B</i> , 2006, 74, .	3.2	58
71	High-resolution x-ray diffraction study of single crystals of lead zirconate titanate. <i>Physical Review B</i> , 2011, 84, .	3.2	58
72	Fano resonance and dipolar relaxation in lead-free relaxors. <i>Nature Communications</i> , 2014, 5, 5100.	12.8	57

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73	Enhanced magnetization and polarization in chemically modified multiferroic $(1-x)BiFeO_3-xDyFeO_3$ solid solution. <i>Applied Physics Letters</i> , 2009, 94, 142908.	3.3	56
74	Top-seeded solution growth and characterization of rhombohedral PMN-30PT piezoelectric single crystals. <i>Acta Materialia</i> , 2007, 55, 6507-6512.	7.9	55
75	N α -like domain walls in ferroelectric Pb(Zr,Ti)O ₃ single crystals. <i>Nature Communications</i> , 2016, 7, 12385.	12.8	55
76	Flux growth and characterization of the relaxor-based Pb[(Zn _{1/3} Nb _{2/3}) _{1-x} Ti _x]O ₃ [PZNT] piezocrystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000, 78, 96-104.	3.5	54
77	Subterahertz dielectric relaxation in lead-free Ba(Zr,Ti)O ₃ relaxor ferroelectrics. <i>Nature Communications</i> , 2016, 7, 11014.	12.8	54
78	Machine learning-enabled identification of material phase transitions based on experimental data: Exploring collective dynamics in ferroelectric relaxors. <i>Science Advances</i> , 2018, 4, eaap8672.	10.3	54
79	Single-crystal neutron diffuse scattering and Monte Carlo study of the relaxor ferroelectric PbZn _{1/3} Nb _{2/3} O ₃ (PZN). <i>Journal of Applied Crystallography</i> , 2005, 38, 639-647.	4.5	53
80	Origin of diffuse scattering in relaxor ferroelectrics. <i>Physical Review B</i> , 2010, 81, .	3.2	53
81	Hybrid System Combining Two-Dimensional Materials and Ferroelectrics and Its Application in Photodetection. <i>ACS Nano</i> , 2021, 15, 10982-11013.	14.6	52
82	Structural phase transition and dielectric relaxation in Pb(Zn _{1/3} Nb _{2/3})O ₃ single crystals. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 2493-2507.	1.8	51
83	Large Piezoelectric Strain with Superior Thermal Stability and Excellent Fatigue Resistance of Lead-Free Potassium Sodium Niobate-Based Grain Orientation-Controlled Ceramics. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10220-10226.	8.0	51
84	Polar nanodomains and relaxor behaviour in $(1-x)Pb(Mg_{1/3}Nb_{2/3})O_3-xPbTiO_3$ crystals with $x=0.3-0.5$. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 120, 206-209.	3.5	50
85	Giant Piezoelectricity of Ternary Perovskite Ceramics at High Temperatures. <i>Advanced Functional Materials</i> , 2019, 29, 1807920.	14.9	50
86	Top seeded solution growth and characterization of piezo-/ferroelectric $(1-x)Pb(Zn_{1/3}Nb_{2/3})O_3-xPbTiO_3$ single crystals. <i>Journal of Crystal Growth</i> , 2001, 233, 503-511.	1.5	48
87	Effects of chemical compositions on the growth of relaxor ferroelectric Pb(Sc _{1/2} Nb _{1/2}) _{1-x} Ti _x O ₃ single crystals. <i>Journal of Crystal Growth</i> , 2003, 250, 118-125.	1.5	48
88	Electrically controlled non-volatile switching of magnetism in multiferroic heterostructures via engineered ferroelastic domain states. <i>NPG Asia Materials</i> , 2016, 8, e316-e316.	7.9	48
89	Discovery of Enhanced Magnetolectric Coupling through Electric Field Control of Two-Magnon Scattering within Distorted Nanostructures. <i>ACS Nano</i> , 2017, 11, 9286-9293.	14.6	48
90	Real space mapping of polarization dynamics and hysteresis loop formation in relaxor-ferroelectric PbMg _{1/3} Nb _{2/3} O _{3-x} PbTiO ₃ solid solutions. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	47

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91	Ionic Liquid Gating Control of Spin Reorientation Transition and Switching of Perpendicular Magnetic Anisotropy. <i>Advanced Materials</i> , 2018, 30, e1801639.	21.0	47
92	Periodic Wrinkle-Patterned Single-Crystalline Ferroelectric Oxide Membranes with Enhanced Piezoelectricity. <i>Advanced Materials</i> , 2020, 32, e2004477.	21.0	47
93	Crossover in the mechanism of ferroelectric phase transition of $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$. <i>Advanced Materials</i> , 2020, 32, e2004477.		

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109	Synthesis, structure and piezo-/ferroelectric properties of a novel bismuth-containing ternary complex perovskite solid solution. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3916-3923.	5.5	38
110	Freezing of dipole dynamics in relaxor ferroelectric $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ as evidenced by dielectric spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2000, 12, L541-L548.	1.8	37
111	PbTiO_3 addition and internal dynamics in $\text{Pb}(\text{Zn}_{1-x}\text{Nb}_{2-x})\text{O}_3$ crystal studied by Raman spectroscopy. <i>Physical Review B</i> , 2005, 72, .	3.2	37
112	Dielectric anomalies of the relaxor-based $0.9\text{Pb}(\text{Mg}_{1-x}\text{Nb}_{2-x})\text{O}_3\text{-}0.1\text{PbTiO}_3$ single crystals. <i>Applied Physics Letters</i> , 2005, 87, 012904.	3.3	37
113	Light scattering study of acoustic phonon modes and central peaks in $\text{Pb}[(\text{Mg}_{1-x}\text{Nb}_{2-x})_{0.45}\text{Ti}_{0.55}]\text{O}_3$ single crystals. <i>Applied Physics Letters</i> , 2007, 91, 252909.	3.3	37
114	Self-polarized high piezoelectricity and its memory effect in ferroelectric single crystals. <i>Acta Materialia</i> , 2017, 125, 498-505.	7.9	37
115	Giant electrostriction and stretched exponential electromechanical relaxation in $0.65\text{Pb}(\text{Mg}_{1-x}\text{Ti}_x)\text{O}_3$. <i>Applied Physics Letters</i> , 2014, 105, 081101.	2.5	36
116	Ferroelectric and relaxor properties of $\text{Pb}(\text{Sc}_{0.5}\text{Nb}_{0.5})\text{O}_3$: Influence of pressure and biasing electric field. <i>Physical Review B</i> , 2006, 74, .	3.2	36
117	Enhanced Dielectric and Ferroelectric Properties of $(\text{Pb}_{1-x}\text{Mg}_x)(\text{Mg}_{1/3}\text{Nb}_{2/3})_{0.65}\text{Ti}_{0.35}\text{O}_3$ Ceramics by ZnO Modification. <i>Journal of the American Ceramic Society</i> , 2015, 98, 848-854.	3.8	36
118	Spatial distribution of relaxation behavior on the surface of a ferroelectric relaxor in the ergodic phase. <i>Applied Physics Letters</i> , 2009, 95, 142902.	3.3	35
119	Single crystal growth, structure refinement, ferroelastic domains and phase transitions of the hausmannite CuCr_2O_4 . <i>Ferroelectrics</i> , 1994, 162, 103-118.	0.6	34
120	Structure and properties of multiferroic $(1-x)\text{BiFeO}_3\text{-}x\text{PbTiO}_3$ single crystals. <i>Journal of Materials Research</i> , 2007, 22, 2136-2143.	2.6	34
121	Partially inverse spinel ZnFe_2O_4 with high saturation magnetization synthesized via a molten salt route. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	34
122	New Dielectric and Ferroelectric Solid Solution of $(1-x)\text{Ba}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}x\text{PbTiO}_3$ with Morphotropic Phase Boundary. <i>Chemistry of Materials</i> , 2007, 19, 1285-1289.	6.7	33
123	Growth and piezo-/ferroelectric properties of PIN-PMN-PT single crystals. <i>Journal of Applied Physics</i> , 2012, 111, 034105.	2.5	33
124	Voltage Control of Perpendicular Magnetic Anisotropy in Multiferroic $(\text{Co}_{1-x}\text{Pt}_x)\text{O}_3$. <i>Applied Physics Letters</i> , 2010, 96, 081101.	3.8	33
125	Coexistence of morphotropic phases in $(1-x)\text{Pb}(\text{Mg}_{1-x}\text{Nb}_{2-x})\text{O}_3\text{-}x\text{PbTiO}_3$ solid solutions. <i>Physical Review B</i> , 2004, 70, .	3.2	32
126	Synthesis, phase segregation and properties of piezo-/ferroelectric $(1-x)\text{Pb}(\text{Sc}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-}x\text{PbTiO}_3$ single crystals. <i>Journal of Crystal Growth</i> , 2006, 287, 326-329.	1.5	32

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127	Soft antiferroelectric fluctuations in morphotropic $\text{PbZr}_{1-x}\text{Ti}_x\text{O}_3$ single crystals as evidenced by inelastic x-ray scattering. <i>Physical Review B</i> , 2011, 83, .	3.2	32
128	Phase transition behaviors of $\text{PbZr}_{1-x}\text{Ti}_x\text{O}_3$ single crystals as revealed by elastic anomalies and central peaks. <i>Applied Physics Letters</i> , 2012, 100, 082903.	3.3	32
129	A statistical model approximation for perovskite solid-solutions: A Raman study of lead-zirconate-titanate single crystal. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	32
130	A neutron diffuse scattering study of PbZrO_3 and Zr-rich $\text{PbZr}_{1-x}\text{Ti}_x\text{O}_3$. <i>Journal of Applied Crystallography</i> , 2015, 48, 1637-1644.	4.5	32
131	New Soft Chemical Routes to Ferroelectric $\text{SrBi}_2\text{Ta}_2\text{O}_9$. <i>Chemistry of Materials</i> , 2006, 18, 532-540.	6.7	31
132	Phase diagram of the relaxor ferroelectric $(1-x)\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ a neutron powder diffraction study of the relaxor skin effect. <i>Phase Transitions</i> , 2015, 88, 283-305.	1.3	31
133	Relationship between ionicity, ionic radii and order/disorder in complex perovskites. <i>Journal of Physics and Chemistry of Solids</i> , 2000, 61, 1519-1527.	4.0	30
134	Broadband gigahertz dynamics of relaxor ferroelectric $\text{Pb}(\text{Sc}_{1/2}\text{Nb}_{1/2})\text{O}_3$ - $x\text{PbTiO}_3$ single crystal probed by Brillouin scattering. <i>Journal of Applied Physics</i> , 2011, 109, 084114.	2.5	30
135	Synthesis, structure and electric properties of a new lead-free ferroelectric solid solution of $(1-x)\text{BaTiO}_3$ - $x\text{Bi}(\text{Zn}_{2/3}\text{Nb}_{1/3})\text{O}_3$. <i>Ceramics International</i> , 2015, 41, S57-S62.	4.8	30
136	Well-ordered ZnO nanotube arrays and networks grown by atomic layer deposition. <i>Applied Surface Science</i> , 2015, 340, 120-125.	6.1	30
137	Polar domain structural evolution under electric field and temperature in the $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ - 0.06BaTiO_3 piezoceramics. <i>Journal of the American Ceramic Society</i> , 2019, 102, 437-447.	3.8	30
138	Phase Change Random Access Memory for Neuro-Inspired Computing. <i>Advanced Electronic Materials</i> , 2021, 7, 2001241.	5.1	29
139	Phase formation and dielectric properties of $0.90\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - 0.10PbTiO_3 ceramics prepared by a new sol-gel method. <i>Ceramics International</i> , 2004, 30, 1411-1417.	4.8	28
140	Critical slowing down of relaxation dynamics near the Curie temperature in the relaxor $\text{Pb}(\text{Sc}_{0.5}\text{Nb}_{0.5})\text{O}_3$. <i>Applied Physics Letters</i> , 2009, 94, 142906.	3.3	28
141	Improved dielectric and ferroelectric properties in Ti-doped BiFeO_3 - PbTiO_3 thin films prepared by pulsed laser deposition. <i>Thin Solid Films</i> , 2010, 518, 1637-1640.	1.8	28
142	Growth from high temperature solution and characterization of $\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})\text{O}_3$ single crystals. <i>Journal of Crystal Growth</i> , 1996, 167, 628-637.	1.5	27
143	Hysteresis in acoustic properties of ferroelectric relaxor $\text{Pb}[(\text{Zn}_{1-x}\text{Nb}_{2x})_{0.955}\text{Ti}_{0.045}]\text{O}_3$ single crystals studied by Brillouin and dielectric spectroscopies. <i>Journal of Applied Physics</i> , 2006, 100, 066106.	2.5	27
144	Field-induced shift of morphotropic phase boundary and effect of overpoling in $(1-x)\text{Pb}(\text{Mg}_{1-x}\text{Nb}_{2x})\text{O}_3$ - $x\text{PbTiO}_3$ piezocrystals. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	27

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145	Mapping bias-induced phase stability and random fields in relaxor ferroelectrics. Applied Physics Letters, 2009, 95, .	3.3	27
146	Mechanism of Calcium Oxalate Monohydrate Kidney Stones Formation: Layered Spherulitic Growth. Chemistry of Materials, 2010, 22, 1318-1329.	6.7	27
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