

Huimin Qiao

List of Publications by Year in descending order

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113
papers

2,903
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159585

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all docs

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docs citations

114
times ranked

1733
citing authors

#	ARTICLE	IF	CITATIONS
1	NH ₄ Be ₂ BO ₃ F ₂ and β -Be ₂ BO ₃ F: Overcoming the Layering Habit in KBe ₂ BO ₃ F ₂ for the Next-Generation Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8968-8972.	13.8	200
2	Large Second-Harmonic Response and Giant Birefringence of CeF ₂ (SO ₄) Induced by Highly Polarizable Polyhedra. <i>Journal of the American Chemical Society</i> , 2021, 143, 4138-4142.	13.7	147
3	Giant Optical Anisotropy in the UV-Transparent 2D Nonlinear Optical Material Sc(IO ₃) ₂ (NO ₃). <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3464-3468.	13.8	124
4	UV Solar-Blind-Region Phase-Matchable Optical Nonlinearity and Anisotropy in a Conjugated Cation-Containing Phosphate. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14806-14810.	13.8	99
5	Giant Second-Harmonic Generation Response and Large Band Gap in the Partially Fluorinated Mid-Infrared Oxide RbTeMo ₂ O ₈ F. <i>Journal of the American Chemical Society</i> , 2021, 143, 12455-12459.	13.7	91
6	KPb ₂ (PO ₃) ₅ : a novel nonlinear optical lead polyphosphate with a short deep-UV cutoff edge. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10630-10637.	5.5	88
7	Molecular Engineering as an Approach To Design a New Beryllium-Free Fluoride Carbonate as a Deep-Ultraviolet Nonlinear Optical Material. <i>Chemistry of Materials</i> , 2016, 28, 2301-2307.	6.7	85
8	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
9	(NH ₄)Bi ₂ (IO ₃) ₂ F ₅ : An Unusual Ammonium-Containing Metal Iodate Fluoride Showing Strong Second Harmonic Generation Response and Thermochromic Behavior. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5268-5272.	13.8	73
10	Polymer/Ceramic-based Dielectric Composites for Energy Storage and Conversion. <i>Energy and Environmental Materials</i> , 2022, 5, 486-514.	12.8	66
11	A microcrystal method for the measurement of birefringence. <i>CrystEngComm</i> , 2020, 22, 1956-1961.	2.6	64
12	Preparation and Characterization of New Pb(Yb _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ Ternary Piezo-/Ferroelectric Crystals. <i>Chemistry of Materials</i> , 2010, 22, 5588-5592.	3.3	63
13	NH ₄ Be ₂ BO ₃ F ₂ and β -Be ₂ BO ₃ F: Overcoming the Layering Habit in KBe ₂ BO ₃ F ₂ for the Next-Generation Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie</i> , 2018, 130, 9106-9110.	2.0	63
14	Top-seeded solution growth and characterization of rhombohedral PMN ³⁰ PZT piezoelectric single crystals. <i>Acta Materialia</i> , 2007, 55, 6507-6512.	7.9	55
15	High energy storage density and ultrafast discharge in lead lutetium niobate based ceramics. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8414-8422.	10.3	51
16	Compositional disorder, polar nanoregions and dipole dynamics in Pb(Mg _{1/3} Nb _{2/3})O ₃ -based relaxor ferroelectrics. <i>Zeitschrift für Kristallographie</i> , 2011, 226, 99-107.	1.1	46
17	Giant Optical Anisotropy in the UV-Transparent 2D Nonlinear Optical Material Sc(IO ₃) ₂ (NO ₃). <i>Angewandte Chemie</i> , 2021, 133, 3506-3510.	2.0	46
18	Field-induced phase transitions and enhanced double negative electrocaloric effects in (Pb,Lu)(Zr,Sn,Ti)O ₃ antiferroelectric single crystal. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	45

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19	Relaxor behavior in the solid solution between dielectric Ba(Mg _{1/3} Nb _{2/3})O ₃ and ferroelectric PbTiO ₃ . Applied Physics Letters, 2007, 90, 112905.	3.3	44
20	Recent Progress in the Nanoscale Evaluation of Piezoelectric and Ferroelectric Properties via Scanning Probe Microscopy. Advanced Science, 2020, 7, 1901391.	11.2	44
21	Ultra-thin ferroelectrics. Materials Science and Engineering Reports, 2021, 145, 100622.	31.8	41
22	Mg ₃ B ₇ O ₁₃ Cl: A New Quasi-Phase Matching Crystal in the Deep-Ultraviolet Region. Advanced Functional Materials, 2018, 28, 1804089.	14.9	40
23	Self-polarized high piezoelectricity and its memory effect in ferroelectric single crystals. Acta Materialia, 2017, 125, 498-505.	7.9	37
24	La-modified Pb(Lu _{1/2} Nb _{1/2})O ₃ antiferroelectric ceramics with high energy storage density. Journal of the European Ceramic Society, 2015, 35, 4173-4180.	5.7	34
25	New Dielectric and Ferroelectric Solid Solution of (1-x)Ba(Mg _{1/3} Nb _{2/3})O ₃ -xPbTiO ₃ with Morphotropic Phase Boundary. Chemistry of Materials, 2007, 19, 1285-1289.	6.7	33
26	Growth and piezo-/ferroelectric properties of PIN-PMN-PT single crystals. Journal of Applied Physics, 2012, 111, 034105.	2.5	33
27	Phase transition behaviors of PbZr _{1-x} Ti _x O ₃ single crystals as revealed by elastic anomalies and central peaks. Applied Physics Letters, 2012, 100, 082903.	3.3	32
28	Ca ₂ B ₅ O ₉ Cl and Sr ₂ B ₅ O ₉ Cl: Nonlinear Optical Crystals with Deep-Ultraviolet Transparency Windows. ACS Applied Materials & Interfaces, 2020, 12, 4632-4637.	8.0	32
29	Compositional dependence of properties of Pb(Yb _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ ternary ferroelectric crystals. CrystEngComm, 2012, 14, 4513.	2.6	30
30	A(H ₃ C ₃ N ₃ O ₃)(NO ₃) (A = K, Rb): Alkali-Metal Nitrate Isocyanurates with Strong Optical Anisotropy. Inorganic Chemistry, 2020, 59, 10361-10367.	4.0	30
31	Investigation of switching behavior of acceptor-doped ferroelectric ceramics. Acta Materialia, 2019, 170, 100-108.	7.9	28
32	Orientation dependence of dielectric and piezoelectric properties of tetragonal relaxor ferroelectric single crystals by alternate current poling. Journal of Applied Physics, 2020, 127, .	2.5	28
33	A new (1-x)Pb(Lu _{1/2} Nb _{1/2})O ₃ -xPbTiO ₃ binary ferroelectric crystal system with high Curie temperature. CrystEngComm, 2013, 15, 1643.	2.6	25
34	Perspective on antiferroelectrics for energy storage and conversion applications. Chinese Chemical Letters, 2021, 32, 2097-2107.	9.0	24
35	Ferroelectrically augmented contact electrification enables efficient acoustic energy transfer through liquid and solid media. Energy and Environmental Science, 2022, 15, 1243-1255.	30.8	24
36	Phase Diagram and Properties of High T _C /T _R Pb(In _{1/2} Sc _{1/2})O ₃ -Pb(Zn _{1/3} Nb _{2/3})O ₃ Ferroelectric Ceramics. Journal of the American Ceramic Society, 2013, 96, 1546-1553.	3.8	23

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37	Electrostatic effect on off-field ferroelectric hysteresis loop in piezoresponse force microscopy. Applied Physics Letters, 2020, 116, .	3.3	23
38	From $\text{CeF}_{2}(\text{SO}_{4})_{2}\text{H}_{2}\text{O}$ to $\text{Ce}(\text{IO}_{3})_{2}(\text{SO}_{4})$: Defluorinated Homovalent Substitution for Strong Second-Harmonic-Generation Effect and Sufficient Birefringence. Chemistry of Materials, 2021, 33, 9317-9325.	6.7	23
39	I^{-} -Conjugated Trigonal Planar $[\text{C}(\text{NH}_{2})_{3}]^{+}$ Cationic Group: A Superior Functional Unit for Ultraviolet Nonlinear Optical Materials. ACS Omega, 2021, 6, 9263-9268.	3.5	22
40	Growth and Di-/Piezoelectric Properties of Al-Doped PMN-30PT Single Crystals. Crystal Growth and Design, 2009, 9, 657-659.	3.0	21
41	Characterization of $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_{3}\text{-PbTiO}_{3}$ ferroelectric crystals grown by top-seeded solution growth method. Journal of Alloys and Compounds, 2012, 539, 17-20.	5.5	21
42	A new multiferroic ternary solid solution system of $\text{BiFeO}_{3}\text{-Pb}(\text{Fe}_{1/2}\text{Nb}_{1/2})\text{O}_{3}\text{-PbTiO}_{3}$. Journal of the European Ceramic Society, 2015, 35, 2033-2040.	5.7	21
43	Effect of Mn-doping on the structure and electric properties of $0.64\text{Pb}(\text{In}_{0.5}\text{Nb}_{0.5})\text{O}_{3}\text{-}0.36\text{PbTiO}_{3}$ ceramics. Materials and Design, 2017, 117, 232-238.	7.0	21
44	Morphotropic phase diagram and dielectric and ferroelectric properties of $(1-x)\text{Ba}(\text{Zn}_{1-x}\text{Nb}_{2-x})\text{O}_{3}\text{-}x\text{PbTiO}_{3}$ solid solution. Journal of Applied Physics, 2007, 101, 124101.	2.5	20
45	Structural, electric and magnetic properties of $\text{BiFeO}_{3}\text{-Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_{3}\text{-PbTiO}_{3}$ ternary ceramics. Journal of Electroceramics, 2016, 36, 8-15.	2.0	20
46	Effect of $\text{Pb}(\text{Mn}_{1/3}\text{Sb}_{2/3})\text{O}_{3}$ addition on the electrical properties of $\text{BiScO}_{3}\text{-PbTiO}_{3}$ piezoelectric ceramics. Journal of Alloys and Compounds, 2019, 790, 397-404.	5.5	20
47	In Situ Di-, Piezo-, Ferroelectric Properties and Domain Configurations of $\text{Pb}(\text{Sc}_{1/2}\text{Nb}_{1/2})\text{O}_{3}\text{-Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_{3}\text{-PbTiO}_{3}$ Ferroelectric Crystals. Crystal Growth and Design, 2018, 18, 145-151.		
48	UV Solar-Blind Region Phase-Matchable Optical Nonlinearity and Anisotropy in a I^{-} -Conjugated Cation-Containing Phosphate. Angewandte Chemie, 2021, 133, 14932-14936.	2.0	19
49	A lead-reduced ferroelectric solid solution with high curie temperature: $\text{BiScO}_{3}\text{-Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_{3}\text{-PbTiO}_{3}$. Ceramics International, 2014, 40, 12953-12959.	4.8	18
50	Improved electrical properties of BaTiO_{3} modified $\text{BiScO}_{3}\text{-PbTiO}_{3}$ ceramics with high Curie temperature. Ceramics International, 2017, 43, 11463-11468.	4.8	18
51	Electrostatic contribution to hysteresis loop in piezoresponse force microscopy. Applied Physics Letters, 2019, 114, .	3.3	18
52	Non- I^{-} -Conjugated Deep-Ultraviolet Nonlinear Optical Crystal $\text{K}_{2}\text{Zn}_{3}(\text{SO}_{4})_{2}\text{F}_{4}$. Journal of Physical Chemistry Letters, 2021, 12, 8280-8284.	4.6	18
53	Mixed Triboelectric and Flexoelectric Charge Transfer at the Nanoscale. Advanced Science, 2021, 8, e2101793.	11.2	18
54	A dielectric and ferroelectric solid solution of $(1-x)\text{BaSnO}_{3}\text{-}x\text{PbTiO}_{3}$ with morphotropic phase boundary. Journal of Materials Chemistry, 2009, 19, 6132.	6.7	17

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55	Effect of chemically ordered regions on the acoustic behaviors in Pb(Mg _{1/3} Nb _{2/3})O ₃ studied by Brillouin scattering. <i>Journal of Applied Physics</i> , 2010, 107, 054108.	2.5	17
56	Structure and properties of (Na La Pb ^{1/2})(Lu _{1/2} Nb _{1/2})O ₃ antiferroelectric ceramics. <i>Materials and Design</i> , 2016, 92, 330-334.	7.0	17
57	Influence of Mn dopants on the electrical properties of Pb(In _{0.5} Nb _{0.5})O ₃ ferroelectric single crystals. <i>RSC Advances</i> , 2017, 7, 32607-32612.	3.6	17
58	Borosilicate Crystal LaBSiO ₅ : A New Promising Ultraviolet Quasiphase Matching Material. <i>Advanced Optical Materials</i> , 2021, 9, 2100080.	7.3	16
59	Perspective on the switching behavior of HfO ₂ -based ferroelectrics. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	16
60	Synthesis, structure and electric properties of Pb(Yb _{1/2} Nb _{1/2})O ₃ –Pb(Mg _{1/3} Nb _{2/3})O ₃ –PbTiO ₃ ternary ceramics. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 105305.	2.8	15
61	Growth of Pb(Fe _{1/2} Nb _{1/2})O ₃ –Pb(Yb _{1/2} Nb _{1/2})O ₃ –PbTiO ₃ piezo-/ferroelectric crystals for high power and high temperature applications. <i>CrystEngComm</i> , 2012, 14, 4407.	2.6	15
62	Zn ₃ B ₇ O ₁₃ Cl: A New Deep-Ultraviolet Transparency Nonlinear Optical Crystal with Boracite Structure. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42942-42948.	8.0	14
63	Tunable pyroelectricity, depolarization temperature and energy harvesting density in Pb(Lu _{0.5} Nb _{0.5})O ₃ -xPbTiO ₃ ceramics. <i>Acta Materialia</i> , 2020, 186, 523-532.	7.9	14
64	Effects of alternating current poling on the dielectric and piezoelectric properties of Pb(In _{0.5} Nb _{0.5})O ₃ ferroelectric single crystals with a high Curie temperature. <i>RSC Advances</i> , 2021, 11, 12826-12832.	3.6	14
65	Top-seeded solution growth and characterization of PMN–0.31PT piezoelectric single crystals. <i>CrystEngComm</i> , 2010, 12, 4317.	2.6	13
66	Domain and antiferroelectric properties of Pb(Lu _{1/2} Nb _{1/2})O ₃ single crystals and their superlattice structure. <i>RSC Advances</i> , 2017, 7, 3704-3712.	3.6	13
67	High-Performance Ferroelectric Solid Solution Crystals: (Pb _{1-x/2} (In _{1-x/2} Nb _{1-x/2})O ₃) _{1-x/2} PbTiO ₃ . <i>Journal of the American Ceramic Society</i> , 2014, 97, 2850-2857.		
68	Enhanced piezoelectric and dielectric properties of Pb(Yb _{1/2} Nb _{1/2})O ₃ –Pb(Mg _{1/3} Nb _{2/3})O ₃ –PbTiO ₃ crystals by combining alternating and direct current poling. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	12
69	An Optimized KBe ₂ BO ₃ F ₂ -Like Structure: The Unity of Deep-Ultraviolet Transparency, Nonlinear Optical Property, and Ferroelectricity. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	12
70	Modulation of electrocaloric effect and nanodomain structure in Mn-doped Pb(In _{0.5} Nb _{0.5})O ₃ -PbTiO ₃ ceramics. <i>Ceramics International</i> , 2018, 44, 20417-20426.	4.8	11
71	(NH ₄) ₂ (IO ₃) ₂ F ₅ : An Unusual Ammonium-Containing Metal Iodate Fluoride Showing Strong Second Harmonic Generation Response and Thermochromic Behavior. <i>Angewandte Chemie</i> , 2020, 132, 5306-5310.	2.0	11
72	Origin of Structural Change Driven by A-Site Lanthanide Doping in ABO ₃ -Type Perovskite Ferroelectrics. <i>Crystals</i> , 2020, 10, 434.	2.2	11

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73	From Ce(IO ₃) ₄ to CeF ₂ (IO ₃) ₂ : fluorinated homovalent substitution simultaneously enhances SHG response and bandgap for mid-infrared nonlinear optics. <i>Journal of Materials Chemistry C</i> , 0, , .	5.5	11
74	A new rare-earth borate birefringent crystal with quasi-two-dimensional [BO ₃] layers. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15886-15890.	5.5	11
75	Characteristic electrical properties of Pb(Sc _{1/2} Nb _{1/2})O ₃ –PbTiO ₃ ferroelectric crystals. <i>Journal of Materials Science</i> , 2015, 50, 3970-3975.	3.7	10
76	Multiferroic ternary solid solution system of BiFeO ₃ -NdFeO ₃ -PbTiO ₃ . <i>Journal of Alloys and Compounds</i> , 2017, 709, 16-23.	5.5	10
77	Electrical properties of Sb ₂ O ₃ -modified BiScO ₃ –PbTiO ₃ -based piezoelectric ceramics. <i>RSC Advances</i> , 2020, 10, 13460-13469.	3.6	10
78	A new ternary ferroelectric crystal of Pb(Y _{1/2} Nb _{1/2})O ₃ –Pb(Mg _{1/3} Nb _{2/3})O ₃ –PbTiO ₃ . <i>CrystEngComm</i> , 2014, 16, 7552-7557.	2.6	9
79	Improved thermal stability of ferro/piezo-electric properties of Mn-doped Pb(In _{1/2} Nb _{1/2})O ₃ -PbTiO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 3162-3169.	5.7	9
80	Fatigue endurance enhancement of Sn-doped Pb(Lu _{1/2} Nb _{1/2})O ₃ –PbTiO ₃ ceramics. <i>RSC Advances</i> , 2018, 8, 11633-11642.	3.6	9
81	Performance enhancement of soft–PZT5 piezoelectric ceramics using poling technique. <i>Journal of the American Ceramic Society</i> , 2022, 105, 4744-4750.	3.8	9
82	Alkali metal sulfate: A new non- π -conjugated deep-ultraviolet quasi-phase matching crystal. <i>Scripta Materialia</i> , 2022, 217, 114764.	5.2	9
83	Piezo-/dielectric properties of perovskite-structure high-temperature relaxor ferroelectrics: The Pb(Lu _{1/2} Nb _{1/2})O ₃ –Pb(Zn _{1/3} Nb _{2/3})O ₃ –PbTiO ₃ ternary ceramics. <i>Materials Research Bulletin</i> , 2014, 51, 251-257.	5.2	8
84	Enhanced Energy Storage Density of Lead Lutetium Niobate Crystals by Electric Field-Induced Secondary Phase Transition via Na/La Codoping. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28239-28245.	8.0	8
85	Improvement of temperature-stability and piezoelectric performance of Pb(In _{0.5} Nb _{0.5})O ₃ –PbTiO ₃ crystals via Nd doping. <i>Ceramics International</i> , 2021, 47, 19575-19581.	4.8	7
86	Phosphogermanate Crystal: A New Ultraviolet–Infrared Nonlinear Optical Crystal with Excellent Optical Performances. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10588-10593.	8.0	7
87	Non-relaxor responses of highly ordered Pb(Sc _{1/2} Nb _{1/2})O ₃ crystals. <i>CrystEngComm</i> , 2014, 16, 6588-6592.	2.6	6
88	Scandium modified lead magnesium niobate-lead titanate single crystals for high temperature and high power applications. <i>Materials Letters</i> , 2016, 184, 162-165.	2.6	6
89	Preparation, structure, and electric properties of the Pb(Lu _{1/2} Nb _{1/2})O ₃ –Pb(Ni _{1/3} Nb _{2/3})O ₃ –PbTiO ₃ ternary ferroelectric system ceramics near the morphotropic phase boundary. <i>Journal of Alloys and Compounds</i> , 2017, 702, 458-464.	5.5	6
90	Spontaneous Polarization and Local Disorder Induced Broad Bandwidth Emission in Nd-Doped Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ Ferroelectric Crystals. <i>Crystal Growth and Design</i> , 2019, 19, 4902-4907.	3.0	6

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91	Effects of defect dipoles on tunable dielectric response in relaxor ferroelectric ceramics. Journal of the American Ceramic Society, 2020, 103, 6445-6452.	3.8	6
92	Na _{1.5} Rb _{0.5} PO ₃ F ₂ H ₂ O: synthesis, properties, and stepwise reconstruction of the hydrogen bond network. Inorganic Chemistry Frontiers, 2021, 8, 4544-4552.	6.0	6
93	New binary (1-x)Ba(Lu _{1/2} Nb _{1/2})O ₃ -xPbTiO ₃ solid solution with morphotropic phase boundary. Journal of the European Ceramic Society, 2012, 32, 1077-1083.	5.7	5
94	Lead-free polar borate crystal K ₃ Nb ₃ B ₂ O ₁₂ : a novel antiferroelectric structure type. Journal of Materials Chemistry C, 2020, 8, 6654-6658.	5.5	5
95	Balance of Deep-Ultraviolet Transparency and Large Second Harmonic Generation Response in a Silicate Crystal. Crystal Growth and Design, 2022, 22, 3457-3461.	3.0	5
96	Ferroelectric ternary solid solution of Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbSnO ₃ -PbTiO ₃ with morphotropic phase boundary. Ceramics International, 2013, 39, 853-856.	4.8	4
97	New Antiferroelectric Solid Solution of Pb(Mg _{1/2} W _{1/2})O ₃ -Pb(Zn _{1/2} W _{1/2})O ₃ as Dielectric Ceramics. Journal of the American Ceramic Society, 2014, 97, 1700-1703.	3.8	4
98	Orientation-dependent electrical property and domain configuration of Mn-doped Pb(In _{0.5} Nb _{0.5})O ₃ -PbTiO ₃ single crystal. Journal of the American Ceramic Society, 2019, 102, 79-84.	3.8	4
99	Lead titanate-induced abnormal ferroelectric/antiferroelectric phase transitions in Pb(Lu _{0.5} Nb _{0.5})O ₃ solid solutions. Materials and Design, 2019, 183, 108168.	7.0	4
100	Dielectric, ferroelectric, and photovoltaic properties of La-doped Bi(Ni _{2/3} Ta _{1/3})O ₃ -PbTiO ₃ ceramics. Journal of Alloys and Compounds, 2020, 815, 152191.	5.5	4
101	Ionically Mediated Mechanical Deformation Associated with Memristive Switching. Advanced Functional Materials, 2021, 31, 2103145.	14.9	4
102	Impact of Thickness and Poling Condition on Dielectric and Piezoelectric Properties of Pb(In _{0.5} Nb _{0.5})O ₃ -PbTiO ₃ Ferroelectric Crystals. Physica Status Solidi (B): Basic Research, 2022, 259, 2100287.	1.5	4
103	Preparation and Characterization of Lead-Free (K _{0.5} Na _{0.5})NbO ₃ -LiNbO ₃ and (K _{0.5} Na _{0.5})NbO ₃ -LiTaO ₃ Ferroelectric Single Crystals. Crystals, 2014, 4, 296-305.	2.2	3
104	Super-Lattice Structure and Phase Evolution of Pb(Lu _{0.5} Nb _{0.5})O ₃ -PbTiO ₃ Single Crystal with Low PbTiO ₃ . Crystals, 2018, 8, 50.	2.2	3
105	In Situ Electric Field Tuning Photoluminescence Response in Tetragonal-Phase Ferroelectric Single Crystals. ACS Applied Electronic Materials, 2020, 2, 1729-1734.	4.3	3
106	Enhanced mechanical quality factor of BiScO ₃ -PbTiO ₃ piezoelectric ceramics using glass composition. RSC Advances, 2022, 12, 8095-8101.	3.6	3
107	Structural and Electrical Characteristics of (1-x)Pb(Lu _{1/2} Nb _{1/2})O ₃ -xPbTiO ₃ Ceramics with Low PbTiO ₃ . Journal of the American Ceramic Society, 2016, 99, 3325-3329.	3.8	2
108	Electro-optic modulation in a non-centrosymmetric antiferroelectric crystal. Journal of Materials Chemistry C, 2021, 9, 9431-9435.	5.5	2

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109	A New Solid Solution of $(1-x)\text{Ba}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$ with Dielectric, Relaxor and Ferroelectric Properties. , 2007, , .		1
110	Evolution of electrical properties and domain configuration of Mn modified $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-PbTiO}_3$ single crystals. Journal of Applied Physics, 2018, 123, 134101.	2.5	1
111	Pressure-induced transitions in ferroelectric single-crystal $\text{PbZr}_{0.54}\text{Ti}_{0.46}\text{O}_3$. Ferroelectrics, 2018, 535, 106-113.	0.6	0
112	Innentitelbild: UV Solarblind-Region Phase-Matchable Optical Nonlinearity and Anisotropy in a Conjugated Cation-Containing Phosphate (Angew. Chem. 27/2021). Angewandte Chemie, 2021, 133, 14842-14842.	2.0	0
113	Frequency-dependent PFM signal induced by surface adsorbates. Applied Surface Science, 2022, 571, 151281.	6.1	0