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List of Publications by Year in descending order

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227	19,875	9264 74	11939 134
papers	citations	h-index	g-index

236	236	236	9740
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	3D charge and 2D phonon transports leading to high out-of-plane ZT in n-type SnSe crystals. Science, 2018, 360, 778-783.	12.6	859
2	High-performance nanostructured thermoelectric materials. NPG Asia Materials, 2010, 2, 152-158.	7.9	816
3	(<scp><scp>K</scp></scp>,<scp><scp>Na</scp></scp>)<scp><scp>NbO</scp></scp>₃â€Based Leadâ€Free Piezoceramics: Fundamental Aspects, Processing Technologies, and Remaining Challenges. Journal of the American Ceramic Society, 2013, 96, 3677-3696.	3.8	737
4	BiCuSeO oxyselenides: new promising thermoelectric materials. Energy and Environmental Science, 2014, 7, 2900-2924.	30.8	544
5	Leadâ€Free Antiferroelectric Silver Niobate Tantalate with High Energy Storage Performance. Advanced Materials, 2017, 29, 1701824.	21.0	525
6	Temperatureâ€Insensitive (K,Na)NbO₃â€Based Leadâ€Free Piezoactuator Ceramics. Advanced Functional Materials, 2013, 23, 4079-4086.	14.9	494
7	Ferroelectric and Piezoelectric Properties of Fine-Grained Na0.5K0.5NbO3 Lead-Free Piezoelectric Ceramics Prepared by Spark Plasma Sintering. Journal of the American Ceramic Society, 2006, 89, 706-709.	3.8	433
8	BiSbTeâ€Based Nanocomposites with High ZT: The Effect of SiC Nanodispersion on Thermoelectric Properties. Advanced Functional Materials, 2013, 23, 4317-4323.	14.9	404
9	High thermoelectric performance in low-cost SnS _{0.91} Se _{0.09} crystals. Science, 2019, 365, 1418-1424.	12.6	395
10	The structural origin of enhanced piezoelectric performance and stability in lead free ceramics. Energy and Environmental Science, 2017, 10, 528-537.	30.8	386
11	Domain Engineering of Leadâ€Free Liâ€Modified (K,Na)NbO₃ Polycrystals with Highly Enhanced Piezoelectricity. Advanced Functional Materials, 2010, 20, 1924-1929.	14.9	384
12	High thermoelectric performance of oxyselenides: intrinsically low thermal conductivity of Ca-doped BiCuSeO. NPG Asia Materials, 2013, 5, e47-e47.	7.9	349
13	High and Temperature-Insensitive Piezoelectric Strain in Alkali Niobate Lead-free Perovskite. Journal of the American Chemical Society, 2017, 139, 3889-3895.	13.7	301
14	Distinct Impact of Alkali-Ion Doping on Electrical Transport Properties of Thermoelectric p-Type Polycrystalline SnSe. Journal of the American Chemical Society, 2016, 138, 8875-8882.	13.7	298
15	Constructing phase boundary in AgNbO3 antiferroelectrics: pathway simultaneously achieving high energy density and efficiency. Nature Communications, 2020, 11, 4824.	12.8	298
16	Silver Niobate Lead-Free Antiferroelectric Ceramics: Enhancing Energy Storage Density by B-Site Doping. ACS Applied Materials & Interfaces, 2018, 10, 819-826.	8.0	292
17	Normal Sintering of (K,Na)NbO3-Based Ceramics: Influence of Sintering Temperature on Densification, Microstructure, and Electrical Properties. Journal of the American Ceramic Society, 2006, 89, 3669-3675.	3.8	275
18	Diffused Phase Transition Boosts Thermal Stability of Highâ€Performance Leadâ€Free Piezoelectrics. Advanced Functional Materials, 2016, 26, 1217-1224.	14.9	272

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19	Power generation and thermoelectric cooling enabled by momentum and energy multiband alignments. Science, 2021, 373, 556-561.	12.6	270
20	Thermoelectrics with earth abundant elements: low thermal conductivity and high thermopower in doped SnS. Journal of Materials Chemistry A, 2014, 2, 17302-17306.	10.3	246
21	Lead-free AgNbO₃ anti-ferroelectric ceramics with an enhanced energy storage performance using MnO₂ modification. Journal of Materials Chemistry C, 2016, 4, 8380-8384.	5.5	246
22	Polycrystalline BiCuSeO oxide as a potential thermoelectric material. Energy and Environmental Science, 2012, 5, 7188.	30.8	240
23	Medium-temperature thermoelectric GeTe: vacancy suppression and band structure engineering leading to high performance. Energy and Environmental Science, 2019, 12, 1396-1403.	30.8	233
24	Enhanced antiferroelectric phase stability in La-doped AgNbO₃: perspectives from the microstructure to energy storage properties. Journal of Materials Chemistry A, 2019, 7, 2225-2232.	10.3	218
25	High piezoelectric d33 coefficient in Li-modified lead-free (Na,K)NbO3 ceramics sintered at optimal temperature. Applied Physics Letters, 2007, 90, 242909.	3.3	189
26	High-performance lead-free piezoelectrics with local structural heterogeneity. Energy and Environmental Science, 2018, 11, 3531-3539.	30.8	188
27	Superior thermoelectric performance in PbTeâ€“PbS pseudo-binary: extremely low thermal conductivity and modulated carrier concentration. Energy and Environmental Science, 2015, 8, 2056-2068.	30.8	185
28	Achieving High Thermoelectric Figure of Merit in Polycrystalline SnSe via Introducing Sn Vacancies. Journal of the American Chemical Society, 2018, 140, 499-505.	13.7	180
29	Lead-free piezoceramics: Status and perspectives. MRS Bulletin, 2018, 43, 576-580.	3.5	177
30	Bi2Te3-based applied thermoelectric materials: research advances and new challenges. National Science Review, 2020, 7, 1856-1858.	9.5	170
31	(K, Na)NbO3-based lead-free piezoceramics: Phase transition, sintering and property enhancement. Journal of Advanced Ceramics, 2012, 1, 24-37.	17.4	158
32	Integrating Band Structure Engineering with Allâ€Scale Hierarchical Structuring for High Thermoelectric Performance in PbTe System. Advanced Energy Materials, 2017, 7, 1601450.	19.5	157
33	Thermoelectric performance enhancement in n-type Bi2(TeSe)3 alloys owing to nanoscale inhomogeneity combined with a spark plasma-textured microstructure. NPG Asia Materials, 2016, 8, e275-e275.	7.9	152
34	Thermally stable piezoelectric properties of (K, Na)NbO3-based lead-free perovskite with rhombohedral-tetragonal coexisting phase. Acta Materialia, 2017, 122, 344-351.	7.9	150
35	Lead-free antiferroelectric niobates AgNbO₃ and NaNbO₃ for energy storage applications. Journal of Materials Chemistry A, 2020, 8, 23724-23737.	10.3	150
36	High piezoelectricity of BaTiO₃â€“CaTiO₃â€“BaSnO₃ lead-free ceramics. Journal of Materials Chemistry C, 2014, 2, 4764-4771.	5.5	148

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37	Fabrication and Evaluation of Porous Piezoelectric Ceramics and Porosityâ€“Graded Piezoelectric Actuators. Journal of the American Ceramic Society, 2003, 86, 1094-1098.	3.8	147
38	Improvement of Thermoelectric Performance of CoSb_{3â^'x}Te_x Skutterudite Compounds by Additional Substitution of IVB-Group Elements for Sb. Chemistry of Materials, 2008, 20, 7526-7531.	6.7	147
39	Review of chemical modification on potassium sodium niobate lead-free piezoelectrics. Journal of Materials Chemistry C, 2019, 7, 4284-4303.	5.5	146
40	Meltâ€Centrifuged (Bi,Sb)₂Te₃: Engineering Microstructure toward High Thermoelectric Efficiency. Advanced Materials, 2018, 30, e1802016.	21.0	133
41	Enhanced thermoelectric performance of Ca-doped BiCuSeO in a wide temperature range. Journal of Materials Chemistry A, 2013, 1, 11942.	10.3	128
42	Temperature Stability of Leadâ€Free Niobate Piezoceramics with Engineered Morphotropic Phase Boundary. Journal of the American Ceramic Society, 2015, 98, 2177-2182.	3.8	124
43	BiFeO 3 / TiO 2 core-shell structured nanocomposites as visible-active photocatalysts and their optical response mechanism. Journal of Applied Physics, 2009, 105, .	2.5	123
44	Electrical and thermal transport properties of spark plasma sintered n-type Bi₂Te_{3â^'x}Se_x alloys: the combined effect of point defect and Se content. Journal of Materials Chemistry C, 2015, 3, 10583-10589.	5.5	122
45	A brief review on relaxor ferroelectrics and selected issues in lead-free relaxors. Journal of the Korean Physical Society, 2016, 68, 1481-1494.	0.7	122
46	Effect of mixed grain sizes on thermoelectric performance of Bi2Te3 compound. Journal of Applied Physics, 2009, 105, .	2.5	120
47	Synergistic modulation of mobility and thermal conductivity in (Bi,Sb)₂Te₃ towards high thermoelectric performance. Energy and Environmental Science, 2019, 12, 624-630.	30.8	120
48	Enhanced Piezoelectric Properties of (<scp><scp>Ba</scp></scp>_{1â^'x}<scp><scp>Ca</scp></scp>_x)(<scp><scp>Ti</scp></scp><su Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2013, 96, 241-245.	3.8	118
49	Abnormal Grain Growth and New Coreâ€“Shell Structure in (K,Na)NbO₃â€Based Leadâ€Free Piezoelectric Ceramics. Journal of the American Ceramic Society, 2007, 90, 3496-3502.	3.8	116
50	Enhancing Electrical Properties in NBTâ€“KBT Leadâ€Free Piezoelectric Ceramics by Optimizing Sintering Temperature. Journal of the American Ceramic Society, 2008, 91, 2716-2719.	3.8	113
51	Thermoelectric properties of Sn-doped p-type Cu₃SbSe₄: a compound with large effective mass and small band gap. Journal of Materials Chemistry A, 2014, 2, 13527-13533.	10.3	112
52	Influence of Sintering Temperature on Grain Growth and Phase Structure of Compositionally Optimized Highâ€Performance Li/Taâ€Modified (Na,K)NbO₃ Ceramics. Journal of the American Ceramic Society, 2009, 92, 1748-1752.	3.8	111
53	Local Structure Heterogeneity in Sm-Doped AgNbO₃ for Improved Energy-Storage Performance. ACS Applied Materials & Interfaces, 2020, 12, 6097-6104.	8.0	110
54	Raising thermoelectric performance of n-type SnSe via Br doping and Pb alloying. RSC Advances, 2016, 6, 98216-98220.	3.6	107

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55	Piezoelectric and ferroelectric properties of Bi-compensated (Bi1/2Na1/2)TiO3â€“(Bi1/2K1/2)TiO3 lead-free piezoelectric ceramics. Journal of Applied Physics, 2008, 103, .	2.5	105
56	Enhancement of piezoelectric constant d33 in BaTiO3 ceramics due to nano-domain structure. Journal of the Ceramic Society of Japan, 2010, 118, 940-943.	1.1	105
57	Antiferroelectricâ€ferroelectric phase transition in leadâ€free AgNbO₃ ceramics for energy storage applications. Journal of the American Ceramic Society, 2018, 101, 5443-5450.	3.8	103
58	Strain-based scanning probe microscopies for functional materials, biological structures, and electrochemical systems. Journal of Materiomics, 2015, 1, 3-21.	5.7	100
59	Effect of nano-SiC dispersion on thermoelectric properties of Bi2 Te3 polycrystals. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 3768-3773.	1.8	98
60	High-temperature electrical transport behaviors in textured Ca3Co4O9-based polycrystalline ceramics. Applied Physics Letters, 2009, 94, .	3.3	98
61	Lead-Free BiFeO₃-BaTiO₃ Ceramics with High Curie Temperature: Fine Compositional Tuning across the Phase Boundary for High Piezoelectric Charge and Strain Coefficients. ACS Applied Materials & Interfaces, 2021, 13, 4192-4202.	8.0	95
62	Multi-scale thermal stability of niobate-based lead-free piezoceramics with large piezoelectricity. Journal of Materials Chemistry C, 2015, 3, 8780-8787.	5.5	91
63	Remarkable electron and phonon band structures lead to a high thermoelectric performance ZT > 1 in earth-abundant and eco-friendly SnS crystals. Journal of Materials Chemistry A, 2018, 6, 10048-10056.	10.3	90
64	Electrical and thermal properties of carbon nanotube bulk materials: Experimental studies for the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>328</mml:mn><mml:mo>â€“</mml:mo><mml:mn>958</mml:mn><mml:mspace width="0.3em" /><mml:mi mathvariant="normal">K</mml:mi></mml:mrow></mml:math>temperature range. Physical Review B, 2007, 75, .	3.2	88
65	Niobate-based lead-free piezoceramics: a diffused phase transition boundary leading to temperature-insensitive high piezoelectric voltage coefficients. Journal of Materials Chemistry C, 2018, 6, 1116-1125.	5.5	86
66	Enhanced Temperature Stability and Defect Mechanism of BNTâ€Based Leadâ€Free Piezoceramics Investigated by a Quenching Process. Advanced Electronic Materials, 2019, 5, 1800756.	5.1	85
67	Thermoelectric Performance Enhancement in BiSbTe Alloy by Microstructure Modulation via Cyclic Spark Plasma Sintering with Liquid Phase. Advanced Functional Materials, 2021, 31, 2009681.	14.9	84
68	Nanocrystalline Thermoelectric Ca₃Co₄O₉ Ceramics by Solâ^'Gel Based Electrospinning and Spark Plasma Sintering. Journal of Physical Chemistry C, 2010, 114, 10061-10065.	3.1	80
69	Ferroelectric domain morphology and temperature-dependent piezoelectricity of (K,Na,Li)(Nb,Ta,Sb)O₃ lead-free piezoceramics. RSC Advances, 2014, 4, 20062-20068.	3.6	80
70	Phase transition and high piezoelectricity in (Ba,Ca)(Ti1â^'xSnx)O3 lead-free ceramics. Applied Physics Letters, 2013, 103, .	3.3	79
71	Moderate-temperature thermoelectric properties of TiCoSb-based half-Heusler compounds Ti1â^'xTaxCoSb. Journal of Applied Physics, 2007, 101, 113714.	2.5	77
72	Combined effect of preferential orientation and Zr/Ti atomic ratio on electrical properties of Pb(ZrxTi1â^'x)O3 thin films. Journal of Applied Physics, 2004, 96, 590-595.	2.5	76

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73	Enhancing piezoelectric d33 coefficient in Liâˆ•Ta-codoped lead-free (Na,K)NbO3 ceramics by compensating Na and K at a fixed ratio. Applied Physics Letters, 2007, 91, 172901.	3.3	76
74	Thermoelectric performance enhancement of Cu₂S by Se doping leading to a simultaneous power factor increase and thermal conductivity reduction. Journal of Materials Chemistry C, 2017, 5, 7845-7852.	5.5	76
75	Practical high-performance lead-free piezoelectrics: structural flexibility beyond utilizing multiphase coexistence. National Science Review, 2020, 7, 355-365.	9.5	76
76	Sol-gel processing of lead-free (Na,K)NbO3 ferroelectric films. Journal of Sol-Gel Science and Technology, 2007, 42, 287-292.	2.4	74
77	Effects of SiC Nanodispersion on the Thermoelectric Properties of p-Type and n-Type Bi2Te3-Based Alloys. Journal of Electronic Materials, 2011, 40, 992-998.	2.2	72
78	Control of anisotropic electrical transport property of Bi2S3 thermoelectric polycrystals. Journal of Materials Chemistry, 2011, 21, 9194.	6.7	69
79	Poling engineering of (K,Na)NbO₃-based lead-free piezoceramics with orthorhombicâ€“tetragonal coexisting phases. Journal of Materials Chemistry C, 2017, 5, 549-556.	5.5	69
80	Ultraâ€High Thermoelectric Performance in Bulk BiSbTe/Amorphous Boron Composites with Nanoâ€Defect Architectures. Advanced Energy Materials, 2020, 10, 2000757.	19.5	67
81	Ferroelectric and Photostrictive Properties of Fineâ€Grained PLZT Ceramics Derived from Mechanical Alloying. Journal of the American Ceramic Society, 2004, 87, 1477-1482.	3.8	64
82	Effect of pyrolysis temperature on preferential orientation and electrical properties of sol-gel derived lead zirconate titanate films. Journal of the European Ceramic Society, 2004, 24, 2977-2982.	5.7	64
83	Electrical and Mechanical Properties of Fineâ€Grained Li/Taâ€Modified (Na,K)NbO₃â€Based Piezoceramics Prepared by Spark Plasma Sintering. Journal of the American Ceramic Society, 2010, 93, 1378-1383.	3.8	64
84	Thermoelectric Properties of Sn-S Bulk Materials Prepared by Mechanical Alloying and Spark Plasma Sintering. Journal of Electronic Materials, 2014, 43, 2435-2439.	2.2	63
85	Fatigue-free unipolar strain behavior in CaZrO3 and MnO2 co-modified (K,Na)NbO3-based lead-free piezoceramics. Applied Physics Letters, 2013, 103, .	3.3	60
86	Phase transition and piezoelectricity of solâ€“gel-processed Sm-doped BiFeO₃ thin films on Pt(111)/Ti/SiO₂/Si substrates. Journal of Materials Chemistry C, 2015, 3, 2115-2122.	5.5	58
87	Lead-free ferroelectric materials: Prospective applications. Journal of Materials Research, 2021, 36, 985-995.	2.6	58
88	Lowâ€Temperature Sintering of Liâ€Modified (K, Na)NbO₃ Leadâ€Free Ceramics: Sintering Behavior, Microstructure, and Electrical Properties. Journal of the American Ceramic Society, 2010, 93, 1101-1107.	3.8	57
89	Nanodomain Engineered (K, Na)NbO₃ Leadâ€Free Piezoceramics: Enhanced Thermal and Cycling Reliabilities. Journal of the American Ceramic Society, 2015, 98, 448-454.	3.8	57
90	Significant Enhancement of Thermoelectric Figure of Merit in BiSbTeâ€Based Composites by Incorporating Carbon Microfiber. Advanced Functional Materials, 2021, 31, 2008851.	14.9	57

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91	Composition Inhomogeneity due to Alkaline Volatilization in <scp><scp>Li</scp></scp>â€Modified (<scp>K</scp>,<scp><scp>Na</scp></scp>)<scp><scp>NbO</scp></scp>₃ Leadâ€Free Piezoceramics. Journal of the American Ceramic Society, 2013, 96, 2693-2695.	3.8	56
92	Electrical properties of K0.5Na0.5NbO3 thin films grown on Nb:SrTiO3 single-crystalline substrates with different crystallographic orientations. Journal of Applied Physics, 2013, 113, .	2.5	53
93	Ultra-large electric fieldâ€“induced strain in potassium sodium niobate crystals. Science Advances, 2020, 6, eaay5979.	10.3	53
94	Preparation and Thermoelectric Properties of La-Doped SrTiO3 Ceramics. Journal of Electronic Materials, 2011, 40, 926-931.	2.2	52
95	Thermoelectric transport properties of polycrystalline SnSe alloyed with PbSe. Applied Physics Letters, 2017, 110, .	3.3	52
96	Phase structure and electrical properties of (Li,Ta)-doped (K,Na)NbO3 lead-free piezoceramics in the vicinity of Na/KÂ=Â50/50. Journal of Materials Science, 2011, 46, 5111-5116.	3.7	50
97	Domain Evolution and Piezoelectric Response across Thermotropic Phase Boundary in (K,Na)NbO₃-Based Epitaxial Thin Films. ACS Applied Materials & Interfaces, 2017, 9, 13315-13322.	8.0	50
98	Practical high strain with superior temperature stability in lead-free piezoceramics through domain engineering. Journal of Materials Chemistry A, 2018, 6, 23736-23745.	10.3	50
99	Simultaneous enhancement of piezoelectricity and temperature stability in (K,Na)NbO₃-based lead-free piezoceramics by incorporating perovskite zirconates. Journal of Materials Chemistry C, 2018, 6, 10618-10627.	5.5	50
100	Further Enhancing Piezoelectric Properties by Adding MnO₂ in AgSbO₃â€Modified (Li,K,Na)(Nb,Ta)O₃ Leadâ€Free Piezoceramics. Journal of the American Ceramic Society, 2016, 99, 3670-3676.	3.8	49
101	Effect of spark plasma sintering temperature on thermoelectric properties of Bi₂S₃ polycrystal. Journal of Materials Research, 2011, 26, 2711-2718.	2.6	48
102	Mechanicalâ€Alloyingâ€Assisted Synthesis of Ti₃SiC₂ Powder. Journal of the American Ceramic Society, 2002, 85, 1004-1006.	3.8	47
103	Reversible phase transition induced large piezoelectric response in Sm-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BiFe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> with a composition near the morphotropic phase boundary. Physical Review B, 2017, 95, .	3.2	46
104	Broadening the temperature range for high thermoelectric performance of bulk polycrystalline strontium titanate by controlling the electronic transport properties. Journal of Materials Chemistry C, 2018, 6, 7594-7603.	5.5	46
105	Thermoelectric Cu₁₂Sb₄S₁₃â€Based Synthetic Minerals with a Sublimationâ€Derived Porous Network. Advanced Materials, 2021, 33, e2103633.	21.0	46
106	High ZT in p-type thermoelectric (Bi,Sb)₂Te₃ with built-in nanopores. Energy and Environmental Science, 2022, 15, 2039-2048.	30.8	46
107	High piezoelectricity due to multiphase coexistence in low-temperature sintered (Ba,Ca)(Ti,Sn)O3â€“CuOx ceramics. Applied Physics Letters, 2013, 103, .	3.3	45
108	Enhanced Thermoelectric Properties Obtained by Compositional Optimization in p-Type Bi x Sb2â^'x Te3 Fabricated by Mechanical Alloying and Spark Plasma Sintering. Journal of Electronic Materials, 2011, 40, 942-947.	2.2	44

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109	Viscosity sensor using ZnO and AlN thin film bulk acoustic resonators with tilted polar c-axis orientations. Journal of Applied Physics, 2011, 110, .	2.5	44
110	Large strain and temperature-insensitive piezoelectric effect in high-temperature piezoelectric ceramics. Journal of Materials Chemistry C, 2018, 6, 456-463.	5.5	43
111	Enhancing Thermoelectric Properties of Polycrystalline Bi2S3 by Optimizing a Ball-Milling Process. Journal of Electronic Materials, 2011, 40, 1087-1094.	2.2	41
112	Enhanced Thermoelectric Performance of Nonstoichiometric Compounds Cu3â˜x SbSe4 by Cu Deficiencies. Journal of Electronic Materials, 2014, 43, 2229-2238.	2.2	41
113	Powder metallurgically synthesized Cu₁₂Sb₄S₁₃tetrahedrites: phase transition and high thermoelectricity. RSC Advances, 2017, 7, 18909-18916.	3.6	41
114	High and Frequencyâ€Insensitive Converse Piezoelectric Coefficient Obtained in <scp><scp>AgSbO</scp></scp>₃â€Modified (<scp><scp>Li</scp></scp>,<scp><scp>K</scp></scp>,<scp><scp>Na</scp></scp>)(<scp><scp>Nb</scp></scp>,<scp><scp>Ta</scp> Leadâ€Free Piezoceramics. Journal of the American Ceramic Society, 2013, 96, 519-523.	3.8	40
115	Structure and composition characterization of lead-free (K, Na)NbO₃ piezoelectric nanorods synthesized by the molten-salt reaction. Journal of Materials Chemistry C, 2014, 2, 1519-1524.	5.5	40
116	Isolatedâ€Oxygenâ€Vacancy Hardening in Leadâ€Free Piezoelectrics. Advanced Materials, 2022, 34, e2202558.	21.0	40
117	Highly Textured N-Type SnSe Polycrystals with Enhanced Thermoelectric Performance. Research, 2019, 2019, 9253132.	5.7	39
118	Combined effects of Li content and sintering temperature onÂpolymorphic phase boundary and electrical properties of Li/Ta co-doped (Na, K)NbO3 lead-free piezoceramics. Applied Physics A: Materials Science and Processing, 2009, 97, 911-917.	2.3	38
119	Synthesis and Piezoelectricity of Singleâ€Crystalline (<scp>K,Na</scp>)<scp>NbO₃</scp> Nanobars. Journal of the American Ceramic Society, 2011, 94, 3812-3818.	3.8	38
120	Fineâ€Grained and Nanostructured AgPb_mSbTe_{m+2} Alloys with High Thermoelectric Figure of Merit at Medium Temperature. Advanced Energy Materials, 2014, 4, 1300937.	19.5	38
121	Magnetoelectric properties of multiferroic composites with pseudo-1-3-type structure. Journal of Applied Physics, 2006, 99, 124108.	2.5	37
122	Lead-free Na0.5K0.5NbO3 piezoelectric ceramics fabricated by spark plasma sintering: Annealing effect on electrical properties. Journal of Electroceramics, 2008, 21, 251-254.	2.0	37
123	Temperature independence of piezoelectric properties for high-performance BiFeO₃â€“BaTiO₃ lead-free piezoelectric ceramics up to 300 Â°C. RSC Advances, 2018, 8, 35794-35801.	3.6	37
124	Large Piezoelectric Strain in Sub-10 Nanometer Two-Dimensional Polyvinylidene Fluoride Nanoflakes. ACS Nano, 2019, 13, 4496-4506.	14.6	37
125	Microstructure composite-like Bi2S3 polycrystals with enhanced thermoelectric properties. Journal of Materials Chemistry, 2012, 22, 17589.	6.7	36
126	A facile method to fabricate vertically aligned (K,Na)NbO3 lead-free piezoelectric nanorods. Journal of Materials Chemistry, 2012, 22, 23221.	6.7	36

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127	Intergranular Stress Induced Phase Transition in CaZrO₃ Modified KNnâ€Based Leadâ€Free Piezoelectrics. Journal of the American Ceramic Society, 2015, 98, 1372-1376.	3.8	36
128	Lead-free MnTe mid-temperature thermoelectric materials: facile synthesis, p-type doping and transport properties. Journal of Materials Chemistry C, 2018, 6, 4265-4272.	5.5	36
129	Refreshing Piezoelectrics: Distinctive Role of Manganese in Lead-Free Perovskites. ACS Applied Materials & Interfaces, 2018, 10, 37298-37306.	8.0	36
130	Sintering and Piezoelectric Properties of Co-Fired Lead Zirconate Titanate/Ag Composites. Journal of the American Ceramic Society, 2006, 89, 1300-1307.	3.8	35
131	Potassiumâ€Sodiumâ€Niobateâ€Based Thin Films: Lead Free for Microâ€Piezoelectrics. Annalen Der Physik, 2019, 531, 1800525.	2.4	35
132	Practical High-Performance (Bi,Sb)₂Te₃-Based Thermoelectric Nanocomposites Fabricated by Nanoparticle Mixing and Scrap Recycling. ACS Applied Materials & Interfaces, 2020, 12, 16426-16435.	8.0	33
133	Title is missing!. Journal of Materials Science, 2003, 38, 2661-2666.	3.7	32
134	High thermoelectric performance of all-oxide heterostructures with carrier double-barrier filtering effect. NPG Asia Materials, 2015, 7, e182-e182.	7.9	32
135	Influence of dislocations on thermal conductivity of strontium titanate. Applied Physics Letters, 2020, 117, .	3.3	32
136	Control of the Thermoelectric Properties of Mg2Sn Single Crystals via Point-Defect Engineering. Scientific Reports, 2020, 10, 2020.	3.3	32
137	Enhanced thermoelectric property originating from additional carrier pocket in skutterudite compounds. Applied Physics Letters, 2008, 93, .	3.3	31
138	Effect of Pyrolysis Temperature on Solâ€“Gel Synthesis of Leadâ€free Piezoelectric (<scp><scp>K</scp></scp>,<scp><scp>Na</scp></scp>)<scp><scp>NbO</scp></scp>₃ Films on <scp><scp>Nb</scp></scp>:<scp><scp>SrTiO</scp></scp>₃ Substrates. Journal of the American Ceramic Society, 2014, 97, 107-113.	3.8	31
139	High-Performance 0-3 Type Niobate-Based Lead-Free Piezoelectric Composite Ceramics with ZnO Inclusions. ACS Applied Materials & Interfaces, 2018, 10, 30566-30573.	8.0	31
140	Lead-free antiferroelectric AgNbO3: Phase transitions and structure engineering for dielectric energy storage applications. Journal of Applied Physics, 2020, 128, .	2.5	31
141	Reducing Lattice Thermal Conductivity of MnTe by Se Alloying toward High Thermoelectric Performance. ACS Applied Materials & Interfaces, 2019, 11, 28221-28227.	8.0	29
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