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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	High ZT in p-type thermoelectric (Bi,Sb)₂Te₃ with built-in nanopores. Energy and Environmental Science, 2022, 15, 2039-2048.	30.8	46
2	Boosting energy storage performance of BiFeO₃-based multilayer capacitors via enhancing ionic bonding and relaxor behavior. Journal of Materials Chemistry A, 2022, 10, 7382-7390.	10.3	28
3	Local Atomic Configuration in Pristine and A-Site Doped Silver Niobate Perovskite Antiferroelectrics. Research, 2022, 2022, 9782343.	5.7	16
4	Enhanced Thermoelectric Performance of Biâ€“Se Co-Doped Cu_{1.8}S via Carrier Concentration Regulation and Multiscale Phonon Scattering. ACS Applied Energy Materials, 2022, 5, 5076-5086.	5.1	5
5	Phase-pure antiferroelectric AgNbO₃ films on Si substrates: chemical solution deposition and phase transitions. Journal of Materials Chemistry A, 2022, 10, 12632-12642.	10.3	12
6	Outstanding Ferroelectricity in Solâ€“Gel-Derived Polycrystalline BiFeO₃ Films within a Wide Thickness Range. ACS Applied Materials & Interfaces, 2022, 14, 21696-21704.	8.0	11
7	Antiferroelectricity of NaNbO₃: Singleâ€crystal experimental study and firstâ€principles calculation. Journal of the American Ceramic Society, 2022, 105, 5555-5561.	3.8	5
8	Isolatedâ€Oxygenâ€Vacancy Hardening in Leadâ€Free Piezoelectrics. Advanced Materials, 2022, 34, e2202558.	21.0	40
9	(K, Na)NbO3-based lead-free piezoceramics: one more step to boost applications. National Science Review, 2022, 9, .	9.5	29
10	Ferroelastic Nanodomain-mediated Mechanical Switching of Ferroelectricity in Thick Epitaxial Films. Nano Letters, 2021, 21, 445-452.	9.1	10
11	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
12	Significant Enhancement of Thermoelectric Figure of Merit in BiSbTeâ€Based Composites by Incorporating Carbon Microfiber. Advanced Functional Materials, 2021, 31, 2008851.	14.9	57
13	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
14	Lead-free ferroelectric materials: Prospective applications. Journal of Materials Research, 2021, 36, 985-995.	2.6	58
15	Effects of Disorder on the Electronic Structure and Thermoelectric Properties of an Inverse Full-Heusler Mn₂CoAl Alloy. Chemistry of Materials, 2021, 33, 2543-2547.	6.7	16
16	Simultaneously achieved highâ€energy storage density and efficiency in (K,Na)NbO₃â€based leadâ€free ferroelectric films. Journal of the American Ceramic Society, 2021, 104, 4119-4130.	3.8	27
17	Ferroelectric Domain Structures in Monoclinic (K_{0.5}Na_{0.5})NbO₃ Epitaxial Thin Films. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100127.	2.4	2
18	Growth and characterization of large size leadâ€free ferroelectric K(Ta,Nb)O₃ single crystal. Journal of the American Ceramic Society, 2021, 104, 5182-5191.	3.8	5

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19	(Bi,Sb)2Te3/SiC nanocomposites with enhanced thermoelectric performance: Effect of SiC nanoparticle size and compositional modulation. Science China Materials, 2021, 64, 2551-2562.	6.3	13
20	Power generation and thermoelectric cooling enabled by momentum and energy multiband alignments. Science, 2021, 373, 556-561.	12.6	270
21	All-Inorganic Flexible (K, Na)NbO₃-Based Lead-Free Piezoelectric Thin Films Spin-Coated on Metallic Foils. ACS Applied Materials & Interfaces, 2021, 13, 39633-39640.	8.0	10
22	Thermoelectric Cu₁₂Sb₄S₁₃â€Based Synthetic Minerals with a Sublimationâ€Derived Porous Network. Advanced Materials, 2021, 33, e2103633.	21.0	46
23	Practical high-performance lead-free piezoelectrics: structural flexibility beyond utilizing multiphase coexistence. National Science Review, 2020, 7, 355-365.	9.5	76
24	Local Structure Heterogeneity in Sm-Doped AgNbO₃ for Improved Energy-Storage Performance. ACS Applied Materials & Interfaces, 2020, 12, 6097-6104.	8.0	110
25	Lead-free antiferroelectric niobates AgNbO₃ and NaNbO₃ for energy storage applications. Journal of Materials Chemistry A, 2020, 8, 23724-23737.	10.3	150
26	Bi2Te3-based applied thermoelectric materials: research advances and new challenges. National Science Review, 2020, 7, 1856-1858.	9.5	170
27	Lead-free antiferroelectric AgNbO3: Phase transitions and structure engineering for dielectric energy storage applications. Journal of Applied Physics, 2020, 128, .	2.5	31
28	Stress-modulated optimization of polymorphic phase transition in Li-doped (K,Na)NbO3. Applied Physics Letters, 2020, 117, .	3.3	13
29	Influence of dislocations on thermal conductivity of strontium titanate. Applied Physics Letters, 2020, 117, .	3.3	32
30	Ultraâ€High Thermoelectric Performance in Bulk BiSbTe/Amorphous Boron Composites with Nanoâ€Defect Architectures. Advanced Energy Materials, 2020, 10, 2000757.	19.5	67
31	Constructing phase boundary in AgNbO3 antiferroelectrics: pathway simultaneously achieving high energy density and efficiency. Nature Communications, 2020, 11, 4824.	12.8	298
32	Enhancing the Thermoelectric Performance of Mg₂Sn Single Crystals via Point Defect Engineering and Sb Doping. ACS Applied Materials & Interfaces, 2020, 12, 57888-57897.	8.0	21
33	Thermoelectrics: Ultraâ€High Thermoelectric Performance in Bulk BiSbTe/Amorphous Boron Composites with Nanoâ€Defect Architectures (Adv. Energy Mater. 41/2020). Advanced Energy Materials, 2020, 10, 2070171.	19.5	3
34	Nanostructure Engineering and Performance Enhancement in Fe₂O₃-Dispersed Cu₁₂Sb₄S₁₃ Thermoelectric Composites with Earth-Abundant Elements. ACS Applied Materials & Interfaces, 2020, 12, 17852-17860.	8.0	22
35	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
36	Impact of texturing on the phase transitions in solâ€“gelâ€processed Bi(Sm)FeO 3 thin films on LaNiO 3 â€buffered silicon. Journal of the American Ceramic Society, 2020, 103, 6554-6564.	3.8	6

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37	Control of the Thermoelectric Properties of Mg2Sn Single Crystals via Point-Defect Engineering. Scientific Reports, 2020, 10, 2020.	3.3	32
38	Determination of polarization states in (K,Na)NbO3 lead-free piezoelectric crystal. Journal of Advanced Ceramics, 2020, 9, 204-209.	17.4	13
39	Ultra-large electric fieldâ€“induced strain in potassium sodium niobate crystals. Science Advances, 2020, 6, eaay5979.	10.3	53
40	Poling-induced inverse time-dependent microstrain mechanisms and post-poling relaxation in bismuth ferrite. Applied Physics Letters, 2020, 116, .	3.3	6
41	Phase transition and piezoelectricity of BaZrO₃â€modified (K,Na)NbO₃ leadâ€free piezoelectric thin films. Journal of the American Ceramic Society, 2019, 102, 2770-2780.	3.8	9
42	Solâ€gel processed highly (100)â€textured (K, Na)NbO₃â€based leadâ€free thin films: Effect of pyrolysis temperature. Journal of the American Ceramic Society, 2019, 102, 2696-2705.	3.8	22
43	Reducing Lattice Thermal Conductivity of MnTe by Se Alloying toward High Thermoelectric Performance. ACS Applied Materials & Interfaces, 2019, 11, 28221-28227.	8.0	29
44	High thermoelectric performance in low-cost SnS _{0.91} Se _{0.09} crystals. Science, 2019, 365, 1418-1424.	12.6	395
45	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
46	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
47	Microscopic origin of the high piezoelectric response of Sm-doped BiFeO3 near the morphotropic phase boundary. Journal of Applied Physics, 2019, 125, 175113.	2.5	7
48	Influence of trace zirconia addition on the properties of (K,Na)NbO₃solid solutions. Journal of Materials Chemistry C, 2019, 7, 6914-6923.	5.5	22
49	Large Piezoelectric Strain in Sub-10 Nanometer Two-Dimensional Polyvinylidene Fluoride Nanoflakes. ACS Nano, 2019, 13, 4496-4506.	14.6	37
50	Review of chemical modification on potassium sodium niobate lead-free piezoelectrics. Journal of Materials Chemistry C, 2019, 7, 4284-4303.	5.5	146
51	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
52	Potassiumâ€Sodiumâ€Niobateâ€Based Thin Films: Lead Free for Microâ€Piezoelectrics. Annalen Der Physik, 2019, 531, 1800525.	2.4	35
53	Enhancing the thermoelectric performance of Cu_{1.8}S by Sb/Sn co-doping and incorporating multiscale defects to scatter heat-carrying phonons. Journal of Materials Chemistry C, 2019, 7, 4026-4031.	5.5	29
54	Adjusting Na doping via wet-chemical synthesis to enhance thermoelectric properties of polycrystalline SnS. Science China Materials, 2019, 62, 1005-1012.	6.3	20

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55	Copper-nanoparticle-dispersed amorphous BaTiO₃ thin films as hole-trapping centers: enhanced photocatalytic activity and stability. RSC Advances, 2019, 9, 5045-5052.	3.6	6
56	High-performance electron-doped GeMnTe₂: hierarchical structure and low thermal conductivity. Journal of Materials Chemistry A, 2019, 7, 27361-27366.	10.3	20
57	ZnO-Nanoparticle-Dispersed Cu11.5Ni0.5Sb4S13â˜Î´ Tetrahedrite Composites with Enhanced Thermoelectric Performance. Journal of Electronic Materials, 2019, 48, 1840-1845.	2.2	9
58	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
59	Highly Textured N-Type SnSe Polycrystals with Enhanced Thermoelectric Performance. Research, 2019, 2019, 9253132.	5.7	39
60	Enhanced thermoelectric performance of Cu12Sb4S13â˜Î´ tetrahedrite via nickel doping. Science China Materials, 2018, 61, 1209-1217.	6.3	20
61	Comparing the role of annealing on the transport properties of polymorphous AgBiSe₂ and monophase AgSbSe₂. RSC Advances, 2018, 8, 7055-7061.	3.6	16
62	Defect suppression in CaZrO₃â€modified (K, Na)NbO₃â€based leadâ€free piezoceramic by sintering atmosphere control. Journal of the American Ceramic Society, 2018, 101, 3393-3401.	3.8	24
63	Large strain and temperature-insensitive piezoelectric effect in high-temperature piezoelectric ceramics. Journal of Materials Chemistry C, 2018, 6, 456-463.	5.5	43
64	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
65	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
66	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
67	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
68	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
69	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
70	High-performance lead-free piezoelectrics with local structural heterogeneity. Energy and Environmental Science, 2018, 11, 3531-3539.	30.8	188
71	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
72	Flexoelectricity in antiferroelectrics. Applied Physics Letters, 2018, 113, .	3.3	25

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73	Refreshing Piezoelectrics: Distinctive Role of Manganese in Lead-Free Perovskites. ACS Applied Materials & Interfaces, 2018, 10, 37298-37306.	8.0	36
74	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
75	Textured Bi_{1/2}Na_{1/2}TiO₃â€BaTiO₃ Leadâ€Free Films with Enhanced Piezoelectric Property and Depolarization Temperature. Advanced Electronic Materials, 2018, 4, 1800351.	5.1	19
76	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
77	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
78	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
79	Meltâ€Centrifuged (Bi,Sb)₂Te₃: Engineering Microstructure toward High Thermoelectric Efficiency. Advanced Materials, 2018, 30, e1802016.	21.0	133
80	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
81	Lead-free piezoceramics: Status and perspectives. MRS Bulletin, 2018, 43, 576-580.	3.5	177
82	The structural origin of enhanced piezoelectric performance and stability in lead free ceramics. Energy and Environmental Science, 2017, 10, 528-537.	30.8	386
83	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
84	Thermoelectric transport properties of polycrystalline SnSe alloyed with PbSe. Applied Physics Letters, 2017, 110, .	3.3	52
85	Electromechanical properties of CaZrO₃ modified (K,Na)NbO₃â€based leadâ€free piezoceramics under uniaxial stress conditions. Journal of the American Ceramic Society, 2017, 100, 2116-2122.	3.8	27
86	Identifying phase transition behavior in Bi1/2Na1/2TiO3-BaTiO3 single crystals by piezoresponse force microscopy. Journal of Applied Physics, 2017, 121, .	2.5	26
87	Leadâ€Free Antiferroelectric Silver Niobate Tantalate with High Energy Storage Performance. Advanced Materials, 2017, 29, 1701824.	21.0	525
88	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
89	Powder metallurgically synthesized Cu₁₂Sb₄S₁₃tetrahedrites: phase transition and high thermoelectricity. RSC Advances, 2017, 7, 18909-18916.	3.6	41
90	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

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91	Piezoelectrics: Monoclinic (K,Na)NbO₃ Ferroelectric Phase in Epitaxial Films (Adv.) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.1	1
92	Doping of thermoelectric PbSe with chemically inert secondary phase nanoparticles. Journal of Materials Chemistry C, 2017, 5, 10881-10887.	5.5	23
93	Multiscale identification of local tetragonal distortion in NaNbO3-BaTiO3 weak relaxor ferroelectrics by Raman, synchrotron x-ray diffraction, and absorption spectra. Applied Physics Letters, 2017, 111, .	3.3	22
94	Monoclinic (K,Na)NbO₃ Ferroelectric Phase in Epitaxial Films. Advanced Electronic Materials, 2017, 3, 1700226.	5.1	20
95	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
96	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
97	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
98	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
99	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
100	Mechanical Alloying and Spark Plasma Sintering of BiCuSeO Oxyselenide: Synthesis Process and Thermoelectric Properties. Journal of the American Ceramic Society, 2016, 99, 507-514.	3.8	18
101	Diffused Phase Transition Boosts Thermal Stability of Highâ€Performance Leadâ€Free Piezoelectrics. Advanced Functional Materials, 2016, 26, 1217-1224.	14.9	272
102	Solvothermally synthesized SnS nanorods with high carrier mobility leading to thermoelectric enhancement. RSC Advances, 2016, 6, 43985-43988.	3.6	21
103	Raising thermoelectric performance of n-type SnSe via Br doping and Pb alloying. RSC Advances, 2016, 6, 98216-98220.	3.6	107
104	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
105	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
106	Piezoelectric properties of (K0.5Na0.5)NbO₃-BaTiO₃ lead-free ceramics prepared by spark plasma sintering. Journal of Advanced Dielectrics, 2016, 06, 1650013.	2.4	16
107	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
108	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

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109	Solâ€“gel synthesis of 0.94(Bi0.5Na0.5)TiO3â€“0.06BaTiO3 lead-free piezoelectric films: effect of pyrolysis temperature on phase evolution and electrical properties. Journal of Sol-Gel Science and Technology, 2016, 77, 423-429.	2.4	8
110	Solâ€“gel-processed (001)-textured BiFeO₃ thin films on Pt(111)/Ti/SiO₂/Si substrates with PbO seeding nanocrystals. RSC Advances, 2016, 6, 489-494.	3.6	14
111	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
112	Coreâ€“shell grain structures and ferroelectric properties of Na 0.5 K 0.5 NbO 3 â€“LiTaO 3 â€“BiScO 3 piezoelectric ceramics. Data in Brief, 2015, 4, 34-39.	1.0	10
113	High thermoelectric performance of all-oxide heterostructures with carrier double-barrier filtering effect. NPG Asia Materials, 2015, 7, e182-e182.	7.9	32
114	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
115	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
116	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
117	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
118	Strain-based scanning probe microscopies for functional materials, biological structures, and electrochemical systems. Journal of Materiomics, 2015, 1, 3-21.	5.7	100
119	Ferroelectric and piezoelectric properties of 0.95(Na0.49K0.49Li0.02)(Nb0.8Ta0.2)O3â€“0.05CaZrO3 lead-free ceramics prepared by spark plasma sintering. Journal of Materials Science: Materials in Electronics, 2015, 26, 9329-9335.	2.2	12
120	Dielectric and ferroelectric properties of AgSbO3-modified (Li,K,Na)(Nb,Ta)O3 lead-free piezoceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 9309-9315.	2.2	12
121	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
122	Is Cu₃SbSe₃ a promising thermoelectric material?. RSC Advances, 2015, 5, 42848-42854.	3.6	27
123	Fine-grained lead-free p-type AgSn4SbTe6 thermoelectric materials synthesized by mechanical alloying and spark plasma sintering. Journal of Materials Science: Materials in Electronics, 2015, 26, 9747-9752.	2.2	2
124	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
125	Fast Seebeck coefficient measurement based on dynamic method. Review of Scientific Instruments, 2014, 85, 054904.	1.3	21
126	Orientation-dependent piezoelectricity and domain characteristics of tetragonal Pb(Zr0.3,Ti0.7)0.98Nb0.02O3 thin films on Nb-doped SrTiO3 substrates. Applied Physics Letters, 2014, 104, .	3.3	15

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127	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
128	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
129	Enhanced Thermoelectric Performance of Nonstoichiometric Compounds Cu3âˆ'x SbSe4 by Cu Deficiencies. Journal of Electronic Materials, 2014, 43, 2229-2238.	2.2	41
130	BiCuSeO oxyselenides: new promising thermoelectric materials. Energy and Environmental Science, 2014, 7, 2900-2924.	30.8	544
131	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
132	Piezoelectricity of lead-free (K, Na)NbO₃ nanoscale single crystals. Journal of Materials Chemistry C, 2014, 2, 9091-9098.	5.5	26
133	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
134	High piezoelectricity of BaTiO₃â€“CaTiO₃â€“BaSnO₃ lead-free ceramics. Journal of Materials Chemistry C, 2014, 2, 4764-4771.	5.5	148
135	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
136	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
137	Domain evolution of tetragonal Pb(Zr_xTi_{1â€'x}) O₃ piezoelectric thin films on SrTiO₃ (100) surfaces: combined effects of misfit strain and Zr/Ti ratio. Journal of Materials Chemistry C, 2014, 2, 5836-5841.	5.5	23
138	Temperature-dependent electrical properties of 0.5Pb(Ni1/3Nb2/3)O3â€“(0.5Ââ€'Âx)PbTiO3â€“xPbZrO3 piezoceramics near the morphotropic phase boundary. Journal of Materials Science: Materials in Electronics, 2014, 25, 2540-2545.	2.2	14
139	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
140	BiSbTeâ€Based Nanocomposites with High ZT: The Effect of SiC Nanodispersion on Thermoelectric Properties. Advanced Functional Materials, 2013, 23, 4317-4323.	14.9	404
141	Phase transition and high piezoelectricity in (Ba,Ca)(Ti1â€'xSnx)O3 lead-free ceramics. Applied Physics Letters, 2013, 103, .	3.3	79
142	(<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
143	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
144	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

#	Article	IF	Citations
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