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227 papers	14,568 citations	63 h-index	114 g-index
236 ext. papers	17,261 ext. citations	7.7 avg, IF	6.95 L-index

#	Paper	IF	Citations
227	High-performance nanostructured thermoelectric materials. *NPG Asia Materials*, **2010**, 2, 152-158	10.3	679
226	(K, Na)NbO3-Based Lead-Free Piezoceramics: Fundamental Aspects, Processing Technologies, and Remaining Challenges. *Journal of the American Ceramic Society*, **2013**, 96, 3677-3696	3.8	598
225	3D charge and 2D phonon transports leading to high out-of-plane in n-type SnSe crystals. *Science*, **2018**, 360, 778-783	33.3	569
224	BiCuSeO oxyselenides: new promising thermoelectric materials. *Energy and Environmental Science*, **2014**, 7, 2900-2924	35.4	416
223	Temperature-Insensitive (K,Na)NbO3-Based Lead-Free Piezoactuator Ceramics. *Advanced Functional Materials*, **2013**, 23, 4079-4086	15.6	406
222	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	392
221	Lead-Free Antiferroelectric Silver Niobate Tantalate with High Energy Storage Performance. *Advanced Materials*, **2017**, 29, 1701824	24	350
220	Domain Engineering of Lead-Free Li-Modified (K,Na)NbO3 Polycrystals with Highly Enhanced Piezoelectricity. *Advanced Functional Materials*, **2010**, 20, 1924-1929	15.6	327
219	BiSbTe-Based Nanocomposites with High ZT: The Effect of SiC Nanodispersion on Thermoelectric Properties. *Advanced Functional Materials*, **2013**, 23, 4317-4323	15.6	325
218	The structural origin of enhanced piezoelectric performance and stability in lead free ceramics. *Energy and Environmental Science*, **2017**, 10, 528-537	35.4	305
217	High thermoelectric performance of oxyselenides: intrinsically low thermal conductivity of Ca-doped BiCuSeO. *NPG Asia Materials*, **2013**, 5, e47-e47	10.3	286
216	High and Temperature-Insensitive Piezoelectric Strain in Alkali Niobate Lead-free Perovskite. *Journal of the American Chemical Society*, **2017**, 139, 3889-3895	16.4	245
215	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	243
214	Distinct Impact of Alkali-Ion Doping on Electrical Transport Properties of Thermoelectric p-Type Polycrystalline SnSe. *Journal of the American Chemical Society*, **2016**, 138, 8875-82	16.4	243
213	High thermoelectric performance in low-cost SnSSe crystals. *Science*, **2019**, 365, 1418-1424	33.3	233
212	Diffused Phase Transition Boosts Thermal Stability of High-Performance Lead-Free Piezoelectrics. *Advanced Functional Materials*, **2016**, 26, 1217-1224	15.6	228
211	Polycrystalline BiCuSeO oxide as a potential thermoelectric material. *Energy and Environmental Science*, **2012**, 5, 7188	35.4	203

210	Thermoelectrics with earth abundant elements: low thermal conductivity and high thermopower in doped SnS. *Journal of Materials Chemistry A*, **2014**, 2, 17302-17306	13	201
209	Silver Niobate Lead-Free Antiferroelectric Ceramics: Enhancing Energy Storage Density by B-Site Doping. *ACS Applied Materials & Interfaces*, **2018**, 10, 819-826	9.5	195
208	High piezoelectric d33 coefficient in Li-modified lead-free (Na,K)NbO3 ceramics sintered at optimal temperature. *Applied Physics Letters*, **2007**, 90, 242909	3.4	171
207	Lead-free AgNbO3 anti-ferroelectric ceramics with an enhanced energy storage performance using MnO2 modification. *Journal of Materials Chemistry C*, **2016**, 4, 8380-8384	7.1	161
206	Superior thermoelectric performance in PbTe□PbS pseudo-binary: extremely low thermal conductivity and modulated carrier concentration. *Energy and Environmental Science*, **2015**, 8, 2056-2068	35.4	157
205	Medium-temperature thermoelectric GeTe: vacancy suppression and band structure engineering leading to high performance. *Energy and Environmental Science*, **2019**, 12, 1396-1403	35.4	147
204	Improvement of Thermoelectric Performance of CoSb3□Tex Skutterudite Compounds by Additional Substitution of IVB-Group Elements for Sb. *Chemistry of Materials*, **2008**, 20, 7526-7531	9.6	137
203	Thermally stable piezoelectric properties of (K, Na)NbO3-based lead-free perovskite with rhombohedral-tetragonal coexisting phase. *Acta Materialia*, **2017**, 122, 344-351	8.4	126
202	Integrating Band Structure Engineering with All-Scale Hierarchical Structuring for High Thermoelectric Performance in PbTe System. *Advanced Energy Materials*, **2017**, 7, 1601450	21.8	125
201	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	13	122
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199	BiFeO3/TiO2 core-shell structured nanocomposites as visible-active photocatalysts and their optical response mechanism. *Journal of Applied Physics*, **2009**, 105, 054310	2.5	117
198	High piezoelectricity of BaTiO3□CaTiO3□BaSnO3 lead-free ceramics. *Journal of Materials Chemistry C*, **2014**, 2, 4764-4771	7.1	116
197	(K, Na)NbO3-based lead-free piezoceramics: Phase transition, sintering and property enhancement. *Journal of Advanced Ceramics*, **2012**, 1, 24-37	10.7	116
196	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	10.3	114
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194	Achieving High Thermoelectric Figure of Merit in Polycrystalline SnSe via Introducing Sn Vacancies. *Journal of the American Chemical Society*, **2018**, 140, 499-505	16.4	111
193	Enhanced thermoelectric performance of Ca-doped BiCuSeO in a wide temperature range. *Journal of Materials Chemistry A*, **2013**, 1, 11942	13	109

192	Lead-free piezoceramics: Status and perspectives. *MRS Bulletin*, **2018**, 43, 576-580	3.2	106
191	Enhanced Piezoelectric Properties of (Ba1−xCax)(Ti0.92Sn0.08)O3 Lead-Free Ceramics. *Journal of the American Ceramic Society*, **2013**, 96, 241-245	3.8	103
190	High-performance lead-free piezoelectrics with local structural heterogeneity. *Energy and Environmental Science*, **2018**, 11, 3531-3539	35.4	102
189	Abnormal Grain Growth and New Core–Shell Structure in (K,Na)NbO3-Based Lead-Free Piezoelectric Ceramics. *Journal of the American Ceramic Society*, **2007**, 90, 3496-3502	3.8	101
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186	Temperature Stability of Lead-Free Niobate Piezoceramics with Engineered Morphotropic Phase Boundary. *Journal of the American Ceramic Society*, **2015**, 98, 2177-2182	3.8	99
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183	Enhancing Electrical Properties in NBT–KBT Lead-Free Piezoelectric Ceramics by Optimizing Sintering Temperature. *Journal of the American Ceramic Society*, **2008**, 91, 2716-2719	3.8	95
182	Piezoelectric and ferroelectric properties of Bi-compensated (Bi1/2Na1/2)TiO3–(Bi1/2K1/2)TiO3 lead-free piezoelectric ceramics. *Journal of Applied Physics*, **2008**, 103, 074109	2.5	92
181	High-temperature electrical transport behaviors in textured Ca3Co4O9-based polycrystalline ceramics. *Applied Physics Letters*, **2009**, 94, 072107	3.4	91
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147	Phase transition and piezoelectricity of sol–gel-processed Sm-doped BiFeO3 thin films on Pt(111)/Ti/SiO2/Si substrates. *Journal of Materials Chemistry C*, **2015**, 3, 2115-2122	7.1	48
146	Composition Inhomogeneity due to Alkaline Volatilization in Li-Modified (K, Na)NbO3 Lead-Free Piezoceramics. *Journal of the American Ceramic Society*, **2013**, 96, 2693-2695	3.8	47
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