Ke Wang

List of Publications by Year
in descending order

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246	13,201	30047	26591
papers	citations	54	107
		h-index	g-index

251	251	251	7718
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Giant electric-field-induced strains in lead-free ceramics for actuator applications â€“ status and perspective. Journal of Electroceramics, 2012, 29, 71-93.	0.8	813
2	(<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.	1.9	737
3	Temperatureâ€Insensitive (K,Na)NbO₃â€Based Leadâ€Free Piezoactuator Ceramics. Advanced Functional Materials, 2013, 23, 4079-4086.	7.8	494
4	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.	1.9	433
5	Simultaneously achieved temperature-insensitive high energy density and efficiency in domain engineered BaTiO3-Bi(Mg0.5Zr0.5)O3 lead-free relaxor ferroelectrics. Nano Energy, 2018, 52, 203-210.	8.2	410
6	BiSbTeâ€Based Nanocomposites with High ZT: The Effect of SiC Nanodispersion on Thermoelectric Properties. Advanced Functional Materials, 2013, 23, 4317-4323.	7.8	404
7	The structural origin of enhanced piezoelectric performance and stability in lead free ceramics. Energy and Environmental Science, 2017, 10, 528-537.	15.6	386
8	Domain Engineering of Leadâ€Free Liâ€Modified (K,Na)NbO₃ Polycrystals with Highly Enhanced Piezoelectricity. Advanced Functional Materials, 2010, 20, 1924-1929.	7.8	384
9	Temperatureâ€Dependent Properties of (<scp><scp>Bi</scp></scp>_{1/2}<scp><scp>Na</scp></scp>_{1/2})<scp><scp>TiO</scp></scp><sub>3</sub â€Leadâ€Free Piezoceramics. Journal of the American Ceramic Society, 2012, 95, 2241-2247.	3.8	338
10	High and Temperature-Insensitive Piezoelectric Strain in Alkali Niobate Lead-free Perovskite. Journal of the American Chemical Society, 2017, 139, 3889-3895.	6.6	301
11	Diffused Phase Transition Boosts Thermal Stability of Highâ€Performance Leadâ€Free Piezoelectrics. Advanced Functional Materials, 2016, 26, 1217-1224.	7.8	272
12	Compositional Dependence of Piezoelectric Properties in NaxK1-xNbO3 Lead-Free Ceramics Prepared by Spark Plasma Sintering. Journal of the American Ceramic Society, 2006, 89, 1605-1609.	1.9	245
13	Analysis of crystallographic evolution in (Na,K)NbO3-based lead-free piezoceramics by x-ray diffraction. Applied Physics Letters, 2007, 91, .	1.5	224
14	Nanocomposite Membranes Enhance Bone Regeneration Through Restoring Physiological Electric Microenvironment. ACS Nano, 2016, 10, 7279-7286.	7.3	208
15	Sintering of Lead-Free Piezoelectric Sodium Potassium Niobate Ceramics. Materials, 2015, 8, 8117-8146.	1.3	206
16	High-performance lead-free piezoelectrics with local structural heterogeneity. Energy and Environmental Science, 2018, 11, 3531-3539.	15.6	188
17	Requirements for the transfer of lead-free piezoceramics into application. Journal of Materiomics, 2018, 4, 13-26.	2.8	187
18	(K, Na)NbO3-based lead-free piezoceramics: Phase transition, sintering and property enhancement. Journal of Advanced Ceramics, 2012, 1, 24-37.	8.9	158

#	Article	IF	Citations
19	Thermally stable piezoelectric properties of (K, Na)NbO3-based lead-free perovskite with rhombohedral-tetragonal coexisting phase. Acta Materialia, 2017, 122, 344-351.	3.8	150
20	Piezoelectric properties of low-temperature sintered Li-modified (Na,â€,K)NbO3 lead-free ceramics. Applied Physics Letters, 2008, 93, .	1.5	143
21	Au Nanocage-Strengthened Dissolving Microneedles for Chemo-Photothermal Combined Therapy of Superficial Skin Tumors. ACS Applied Materials & Interfaces, 2018, 10, 9247-9256.	4.0	134
22	Compositional Dependence of Piezoelectric Properties in NaxK1?xNbO3Lead-Free Ceramics Prepared by Spark Plasma Sintering. Journal of the American Ceramic Society, 2006, .	1.9	134
23	Temperature Stability of Leadâ€Free Niobate Piezoceramics with Engineered Morphotropic Phase Boundary. Journal of the American Ceramic Society, 2015, 98, 2177-2182.	1.9	124
24	Compositional dependence of dielectric and ferroelectric properties in BiFeO3â€“BaTiO3 solid solutions. Ceramics International, 2014, 40, 4759-4765.	2.3	122
25	A brief review on relaxor ferroelectrics and selected issues in lead-free relaxors. Journal of the Korean Physical Society, 2016, 68, 1481-1494.	0.3	122
26	Sodium storage in hard carbon with curved graphene platelets as the basic structural units. Journal of Materials Chemistry A, 2019, 7, 3327-3335.	5.2	113
27	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.	1.9	111
28	Technology transfer of lead-free (K, Na)NbO3-based piezoelectric ceramics. Materials Today, 2019, 29, 37-48.	8.3	109
29	The association between smoking and blood pressure in men: a cross-sectional study. BMC Public Health, 2017, 17, 797.	1.2	94
30	Multi-scale thermal stability of niobate-based lead-free piezoceramics with large piezoelectricity. Journal of Materials Chemistry C, 2015, 3, 8780-8787.	2.7	91
31	Nanoscale ferroelectric/relaxor composites: Origin of large strain in leadâ€“free Biâ€“based incipient piezoelectric ceramics. Journal of the European Ceramic Society, 2016, 36, 3401-3407.	2.8	89
32	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.	2.7	86
33	Enhanced Temperature Stability and Defect Mechanism of BNTâ€Based Leadâ€Free Piezoceramics Investigated by a Quenching Process. Advanced Electronic Materials, 2019, 5, 1800756.	2.6	85
34	Temperature-insensitive electric-field-induced strain and enhanced piezoelectric properties of <001> textured (K,Na)NbO3-based lead-free piezoceramics. Acta Materialia, 2018, 156, 389-398.	3.8	84
35	Ferroelectric domain morphology and temperature-dependent piezoelectricity of (K,Na,Li)(Nb,Ta,Sb)O₃ lead-free piezoceramics. RSC Advances, 2014, 4, 20062-20068.	1.7	80
36	Enhanced bipolar fatigue resistance in CaZrO3-modified (K,Na)NbO3 lead-free piezoceramics. Applied Physics Letters, 2014, 104, .	1.5	77

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37	Practical high-performance lead-free piezoelectrics: structural flexibility beyond utilizing multiphase coexistence. National Science Review, 2020, 7, 355-365.	4.6	76
38	Toroidal polar topology in strained ferroelectric polymer. Science, 2021, 371, 1050-1056.	6.0	74
39	Plasma etching behavior of Y2O3 ceramics: Comparative study with Al2O3. Applied Surface Science, 2016, 366, 304-309.	3.1	69
40	Poling engineering of (K,Na)NbO₃-based lead-free piezoceramics with orthorhombicâ€“tetragonal coexisting phases. Journal of Materials Chemistry C, 2017, 5, 549-556.	2.7	69
41	Shifting the phase boundary: Potassium sodium niobate derivates. MRS Bulletin, 2018, 43, 607-611.	1.7	69
42	Regulation of Drug Release by Tuning Surface Textures of Biodegradable Polymer Microparticles. ACS Applied Materials & Interfaces, 2017, 9, 14391-14400.	4.0	68
43	Defect Management and Multiâ€Mode Optoelectronic Manipulations via Photoâ€Thermochromism in Smart Windows. Laser and Photonics Reviews, 2021, 15, 2100211.	4.4	66
44	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.	1.9	64
45	Grain size dependent electrostrain in Bi1/2Na1/2TiO3-SrTiO3 incipient piezoceramics. Journal of the European Ceramic Society, 2016, 36, 2849-2853.	2.8	64
46	MicroRNA-139-3p regulates osteoblast differentiation and apoptosis by targeting ELK1 and interacting with long noncoding RNA ODSM. Cell Death and Disease, 2018, 9, 1107.	2.7	64
47	Leakage current characteristics and Sm/Ti doping effect in BiFeO3 thin films on silicon wafers. Journal of Applied Physics, 2017, 121, .	1.1	63
48	Preparation of hollow Zn2SnO4 boxes for advanced lithium-ion batteries. RSC Advances, 2013, 3, 14480.	1.7	62
49	Fatigue-free unipolar strain behavior in CaZrO3 and MnO2 co-modified (K,Na)NbO3-based lead-free piezoceramics. Applied Physics Letters, 2013, 103, .	1.5	60
50	Block Copolymer Capsules with Structureâ€Dependent Release Behavior. Angewandte Chemie - International Edition, 2016, 55, 14633-14637.	7.2	60
51	Defect Engineering in Lead Zirconate Titanate Ferroelectric Ceramic for Enhanced Electromechanical Transducer Efficiency. Advanced Functional Materials, 2021, 31, .	7.8	59
52	High Normalized Strain Obtained in Li-Modified (K,Na)NbO₃Lead-Free Piezoceramics. Applied Physics Express, 2011, 4, 061501.	1.1	58
53	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.	1.9	57
54	Nanodomain Engineered (K, Na)NbO₃ Leadâ€Free Piezoceramics: Enhanced Thermal and Cycling Reliabilities. Journal of the American Ceramic Society, 2015, 98, 448-454.	1.9	57

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55	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.	1.9	56
56	Responsive Photonic Hydrogel-Based Colorimetric Sensors for Detection of Aldehydes in Aqueous Solution. Langmuir, 2018, 34, 3987-3992.	1.6	55
57	Ultra-large electric fieldâ€“induced strain in potassium sodium niobate crystals. Science Advances, 2020, 6, eaay5979.	4.7	53
58	Normal sintering of (K, Na)NbO3-based lead-free piezoelectric ceramics. Ceramics International, 2008, 34, 783-786.	2.3	52
59	Large strain of lead-free bismuth ferrite ternary ceramics at elevated temperature. Scripta Materialia, 2018, 155, 11-15.	2.6	52
60	Synthesis of highly piezoelectric lead-free (K, Na)NbO3 one-dimensional perovskite nanostructures. Chemical Communications, 2013, 49, 4003.	2.2	51
61	Effect of poling temperature on piezoelectricity of CaZrO3-modified (K, Na)NbO3-based lead-free ceramics. Journal of Applied Physics, 2014, 116, .	1.1	51
62	miR-15b-AGO2 play a critical role in HTR8/SVneo invasion and in a model of angiogenesis defects related to inflammation. Placenta, 2016, 41, 62-73.	0.7	51
63	Local Fine Structural Insight into Mechanism of Electrochemical Passivation of Titanium. ACS Applied Materials & Interfaces, 2016, 8, 18608-18619.	4.0	51
64	The mechanism of hydrating and solidifying green mine fill materials using circulating fluidized bed fly ash-slag-based agent. Journal of Hazardous Materials, 2021, 415, 125625.	6.5	51
65	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.	1.7	50
66	Practical high strain with superior temperature stability in lead-free piezoceramics through domain engineering. Journal of Materials Chemistry A, 2018, 6, 23736-23745.	5.2	50
67	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.	2.7	50
68	Perovskite Na_{0.5}Bi_{0.5}TiO₃: a potential family of peculiar lead-free electrostrictors. Journal of Materials Chemistry A, 2019, 7, 13658-13670.	5.2	50
69	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.	1.9	49
70	Large strain and temperature-insensitive piezoelectric effect in high-temperature piezoelectric ceramics. Journal of Materials Chemistry C, 2018, 6, 456-463.	2.7	43
71	Hydrothermal Synthesis and Spark Plasma Sintering of (K, Na)NbO₃ Leadâ€Free Piezoceramics. Journal of the American Ceramic Society, 2009, 92, 1884-1887.	1.9	42
72	Forced electrostriction by constraining polarization switching enhances the electromechanical strain properties of incipient piezoceramics. NPG Asia Materials, 2017, 9, e346-e346.	3.8	42

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73	Influence of calcium hydroxide addition on arsenic leaching and solidification/stabilisation behaviour of metallurgical-slag-based green mining fill. Journal of Hazardous Materials, 2020, 390, 122161.	6.5	41
74	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.	1.9	40
75	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.	2.7	40
76	Cycling of a Lithiumâ€Ion Battery with a Silicon Anode Drives Large Mechanical Actuation. Advanced Materials, 2016, 28, 10236-10243.	11.1	40
77	Isolatedâ€Oxygenâ€Vacancy Hardening in Leadâ€Free Piezoelectrics. Advanced Materials, 2022, 34, e2202558.	11.1	40
78	Group VB transition metal dichalcogenides for oxygen reduction reaction and strain-enhanced activity governed by p-orbital electrons of chalcogen. Nano Research, 2019, 12, 925-930.	5.8	39
79	Deciphering the phase transition-induced ultrahigh piezoresponse in (K,Na)NbO3-based piezoceramics. Nature Communications, 2022, 13, .	5.8	39
80	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.	1.1	38
81	Enhanced piezoelectricity and temperature stability in LaFeO₃â€modified KNNâ€based leadâ€free ceramics. Journal of the American Ceramic Society, 2019, 102, 6126-6136.	1.9	38
82	Lead-free Na0.5K0.5NbO3 piezoelectric ceramics fabricated by spark plasma sintering: Annealing effect on electrical properties. Journal of Electroceramics, 2008, 21, 251-254.	0.8	37
83	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.	1.7	37
84	The impact of chemical heterogeneity in lead-free (K, Na)NbO3 piezoelectric perovskite: Ferroelectric phase coexistence. Acta Materialia, 2019, 166, 551-559.	3.8	37
85	Large Piezoelectric Strain in Sub-10 Nanometer Two-Dimensional Polyvinylidene Fluoride Nanoflakes. ACS Nano, 2019, 13, 4496-4506.	7.3	37
86	MiR-30 family members inhibit osteoblast differentiation by suppressing Runx2 under unloading conditions in MC3T3-E1 cells. Biochemical and Biophysical Research Communications, 2020, 522, 164-170.	1.0	37
87	Spark plasma sintering of Li/Ta-modified (K,Na)NbO3 lead-free piezoelectric ceramics: Post-annealing temperature effect on phase structure, electrical properties and grain growth behavior. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1110-1114.	1.7	36
88	Intergranular Stress Induced Phase Transition in CaZrO₃ Modified KNNâ€Based Leadâ€Free Piezoelectrics. Journal of the American Ceramic Society, 2015, 98, 1372-1376.	1.9	36
89	Refreshing Piezoelectrics: Distinctive Role of Manganese in Lead-Free Perovskites. ACS Applied Materials & Interfaces, 2018, 10, 37298-37306.	4.0	36
90	Enhanced electric-field-induced strains in (K,Na)NbO3 piezoelectrics from heterogeneous structures. Materials Today, 2021, 46, 44-53.	8.3	36

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91	Simultaneously improving piezoelectric properties and temperature stability of Na0.5K0.5NbO3 (KNN)-based ceramics sintered in reducing atmosphere. Journal of Advanced Ceramics, 2021, 10, 820-831.	8.9	36
92	Comprehensive investigation of elastic and electrical properties of Li/Ta-modified (K,Na)NbO3 lead-free piezoceramics. Journal of Applied Physics, 2013, 113, .	1.1	34
93	Stabilization of Pickering emulsions using starch nanocrystals treated with alkaline solution. International Journal of Biological Macromolecules, 2020, 155, 273-285.	3.6	33
94	Risk factors for renal involvement and severe kidney disease in 2731 Chinese children with Henochâ€“SchÃ¶nlein purpura. Medicine (United States), 2018, 97, e12520.	0.4	32
95	Preparation and application of hollow ZnFe2O4@PANI hybrids as high performance anode materials for lithium-ion batteries. RSC Advances, 2015, 5, 107247-107253.	1.7	31
96	High-Performance 0-3 Type Niobate-Based Lead-Free Piezoelectric Composite Ceramics with ZnO Inclusions. ACS Applied Materials & Interfaces, 2018, 10, 30566-30573.	4.0	31
97	Botryoidalis hollow Zn2SnO4 boxes@graphene as anode materials for advanced lithium-ion batteries. RSC Advances, 2013, 3, 23489.	1.7	30
98	Inverted electro-mechanical behaviour induced by the irreversible domain configuration transformation in (K,Na)NbO3-based ceramics. Scientific Reports, 2016, 6, 22053.	1.6	30
99	(Na_{1/2}Bi_{1/2})TiO₃â€based leadâ€free coâ€fired multilayer actuators with large strain and high fatigue resistance. Journal of the American Ceramic Society, 2019, 102, 6147-6155.	1.9	30
100	Enhanced energy storage properties in Nb-modified Bi0.5Na0.5TiO3â€“SrTiO3 lead-free electroceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 5780-5790.	1.1	30
101	Defect-mediated domain-wall motion and enhanced electric-field-induced strain in hot-pressed K0.5Na0.5NbO3 lead-free piezoelectric ceramics. Journal of Applied Physics, 2021, 129, .	1.1	30
102	Addition of small amounts of BiFeO3 to (Li,K,Na)(Nb,Ta)O3 lead-free ceramics: Influence on phase structure, microstructure and piezoelectric properties. Journal of the European Ceramic Society, 2012, 32, 3575-3582.	2.8	29
103	Determination of crystallographic orientation of lead-free piezoelectric (K,Na)NbO₃ epitaxial thin films grown on SrTiO₃ (100) surfaces. Applied Physics Letters, 2014, 104, 102902.	1.5	29
104	Giant power output in lead-free ferroelectrics by shock-induced phase transition. Physical Review Materials, 2019, 3, .	0.9	29
105	(K, Na)NbO3-based lead-free piezoceramics: one more step to boost applications. National Science Review, 2022, 9, .	4.6	29
106	Targeted silencing of miRNA-132-3p expression rescues disuse osteopenia by promoting mesenchymal stem cell osteogenic differentiation and osteogenesis in mice. Stem Cell Research and Therapy, 2020, 11, 58.	2.4	28
107	The phase structure and electric properties of low-temperature sintered (K, Na)NbO3-based piezoceramics modified by CuO. Ceramics International, 2014, 40, 2927-2931.	2.3	27
108	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.	1.9	27

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109	Low-temperature sintered Bi0.5Na0.5TiO3-SrTiO3 incipient piezoceramics and the co-fired multilayer piezoactuator thereof. Journal of the European Ceramic Society, 2017, 37, 4617-4623.	2.8	27
110	Targeted overexpression of the long noncoding RNA ODSM can regulate osteoblast function in vitro and in vivo. Cell Death and Disease, 2020, 11, 133.	2.7	27
111	Low-temperature sintering of (K,Na)NbO3-based lead-free piezoceramics with addition of LiF. Journal of the European Ceramic Society, 2014, 34, 1161-1167.	2.8	26
112	Piezoelectricity of lead-free (K, Na)NbO₃ nanoscale single crystals. Journal of Materials Chemistry C, 2014, 2, 9091-9098.	2.7	26
113	Identifying phase transition behavior in Bi1/2Na1/2TiO3-BaTiO3 single crystals by piezoresponse force microscopy. Journal of Applied Physics, 2017, 121, .	1.1	26
114	Cubic Cu₂O/Cu₂S Particles with a Unique Truncated Edge Structure Anchoring on Reduced Graphene Oxide as An Enhanced Anode Material for Sodiumâ€ion Batteries. ChemElectroChem, 2018, 5, 630-636.	1.7	25
115	Bone-targeted lncRNA OGRU alleviates unloading-induced bone loss via miR-320-3p/Hoxa10 axis. Cell Death and Disease, 2020, 11, 382.	2.7	25
116	Hardening effect in lead-free piezoelectric ceramics. Journal of Materials Research, 2021, 36, 996-1014.	1.2	25
117	Ultrasensitive flexible magnetoelectric sensor. APL Materials, 2021, 9, .	2.2	25
118	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.	1.9	24
119	Investigation of high piezoelectric properties of KNNSb-Sr BNZ ceramics. Journal of Alloys and Compounds, 2020, 815, 152252.	2.8	24
120	Curcumin enhances temsirolimus-induced apoptosis in human renal carcinoma cells through upregulation of YAP/p53. Oncology Letters, 2016, 12, 4999-5006.	0.8	24
121	(K,Na)NbO3-based Lead-free Piezoelectric Materials: An Encounter with Scanning Probe Microscopy. Journal of the Korean Ceramic Society, 2017, 54, 261-271.	1.1	24
122	Fabrication of convex lens-shaped polymer particles by tuning the interfacial interaction. Materials Chemistry Frontiers, 2017, 1, 507-511.	3.2	23
123	Temperature dependent fracture toughness of KNN-based lead-free piezoelectric ceramics. Acta Materialia, 2019, 174, 369-378.	3.8	23
124	Cleaner production of citric acid by recycling its extraction wastewater treated with anaerobic digestion and electrodialysis in an integrated citric acidâ€“methane production process. Bioresource Technology, 2015, 189, 186-194.	4.8	22
125	Synthesis of Hollow SnO₂/SnS₂ Hybrids and their Application in Sodiumâ€ion Batteries. ChemElectroChem, 2017, 4, 2308-2313.	1.7	22
126	Influence of trace zirconia addition on the properties of (K,Na)NbO₃solid solutions. Journal of Materials Chemistry C, 2019, 7, 6914-6923.	2.7	22

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127	In Situ, Atomicâ€Resolution Observation of Lithiation and Sodiation of WS₂ Nanoflakes: Implications for Lithiumâ€ion and Sodiumâ€ion Batteries. Small, 2021, 17, e2100637.	5.2	22
128	High performance high-power textured Mn/Cu-doped PIN-PMN-PT ceramics. Acta Materialia, 2022, 234, 118015.	3.8	22
129	Modeling 3GPP LTE Advanced DRX Mechanism Under Multimedia Traffic. IEEE Communications Letters, 2014, 18, 1238-1241.	2.5	21
130	Establishment and assessment of a novel cleaner production process of corn grain fuel ethanol. Bioresource Technology, 2013, 148, 453-460.	4.8	20
131	Influence of chirality on catalytic generation of nitric oxide and platelet behavior on selenocystine immobilized TiO2 films. Colloids and Surfaces B: Biointerfaces, 2016, 145, 122-129.	2.5	20
132	Temperature-Insensitive Piezoelectric Performance in Pb(Zr_{0.52}Ti_{0.42}Sn_{0.02}Nb_{0.04})O₃ Ceramics Prepared by Spark Plasma Sintering. ACS Applied Materials & Interfaces, 2017, 9, 34078-34084.	4.0	20
133	Monoclinic (K,Na)NbO₃ Ferroelectric Phase in Epitaxial Films. Advanced Electronic Materials, 2017, 3, 1700226.	2.6	20
134	Effect of MnCO3 on the electrical properties of PZT-based piezoceramics sintered at low temperature. Journal of Alloys and Compounds, 2019, 801, 27-32.	2.8	20
135	Evolution of electromechanical properties in Fe-doped (Pb,Sr)(Zr,Ti)O3 piezoceramics. Journal of Advanced Ceramics, 2021, 10, 587-595.	8.9	20
136	The effect of filler permittivity on the dielectric properties of polymer-based composites. Composites Science and Technology, 2022, 222, 109342.	3.8	20
137	Domain Engineering in Bulk Ferroelectric Ceramics via Mesoscopic Chemical Inhomogeneity. Advanced Science, 2022, 9, e2200998.	5.6	20
138	Robust CaZrO3-modified (K, Na)NbO3-based lead-free piezoceramics: High fatigue resistance insensitive to temperature and electric field. Journal of Applied Physics, 2015, 118, .	1.1	19
139	High Q_m values and humidity effect on the electrical properties of (K,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 oxides. Journal of the American Ceramic Society, 2017, 100, 1561-1569.	1.9	19
140	Abnormal grain growth in (K, Na)NbO₃â€based leadâ€free piezoceramic powders. Journal of the American Ceramic Society, 2019, 102, 836-844.	1.9	19
141	A New Molecular Recognition Concept: Multiple Hydrogen Bonds and Their Optically Triggered Proton Transfer in Confined Metalâ€“Organic Frameworks for Superior Sensing Element. ACS Applied Materials & Interfaces, 2021, 13, 22457-22465.	4.0	19
142	The origin of chemical inhomogeneity in lead-free potassium sodium niobate ceramic: Competitive chemical reaction during solid-state synthesis. Acta Materialia, 2021, 211, 116833.	3.8	19
143	Influence of ball milling on sintering behavior and electrical properties of (Li,Na,K)NbO3 lead-free piezoceramics. Journal of Materials Science, 2012, 47, 6908-6914.	1.7	18
144	Shape-Anisotropic Diblock Copolymer Particles with Varied Internal Structures. Langmuir, 2019, 35, 3461-3469.	1.6	18

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145	Flow simulation considering adsorption boundary layer based on digital rock and finite element method. Petroleum Science, 2021, 18, 183-194.	2.4	18
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