

Sahn Nahm

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

116
papers

3,055
citations

29
h-index

51
g-index

125
ext. papers

3,536
ext. citations

5.6
avg, IF

5.05
L-index

#	Paper	IF	Citations
116	Engineering synaptic plasticity through the control of oxygen vacancy concentration for the improvement of learning accuracy in a Ta ₂ O ₅ memristor. <i>Journal of Alloys and Compounds</i> , 2022 , 902, 163764	5.7	4
115	Structural and piezoelectric properties of textured NLKNS-CZ thick films and their application in planar piezoactuator. <i>Journal of the American Ceramic Society</i> , 2022 , 105, 1185	3.8	2
114	Excellent piezoelectric properties of (K, Na)(Nb, Sb)O ₃ -CaZrO ₃ -(Bi, Ag)ZrO ₃ lead-free piezoceramics. <i>Journal of Alloys and Compounds</i> , 2022 , 889, 161817	5.7	5
113	Artificial synaptic and self-rectifying properties of crystalline (Na _{1-x} K _x)NbO ₃ thin films grown on Sr ₂ Nb ₃ O ₁₀ nanosheet seed layers. <i>Journal of Materials Science and Technology</i> , 2022 , 123, 136-143	9.1	1
112	Physical properties of crystalline NaNbO ₃ thin film grown on Sr ₂ Nb ₃ O ₁₀ nanosheets at low temperatures for piezoelectric energy harvesters. <i>Applied Surface Science</i> , 2022 , 593, 153464	6.7	1
111	Piezoelectricity of (K,Na)(Nb,Sb)O ₃ BrZrO ₃ (Bi,Ag)ZrO ₃ piezoceramics and their application in planar-type actuators. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 16741-16750	7.1	2
110	Effects of SiC particle size on flexural strength, permeability, electrical resistivity, and thermal conductivity of macroporous SiC. <i>Ceramics International</i> , 2021 , 48, 1429-1429	5.1	1
109	Growth and piezoelectric properties of amorphous and crystalline (K _{1-x} Na _x)NbO ₃ -Based thin films. <i>Journal of the Korean Ceramic Society</i> , 2021 , 58, 249-268	2.2	0
108	Flexible electrochromic and thermochromic hybrid smart window based on a highly durable ITO/graphene transparent electrode. <i>Chemical Engineering Journal</i> , 2021 , 416, 129028	14.7	9
107	[0 0 1]-oriented crystalline Potassium-Sodium Niobate thin film fabricated at low temperature for use in piezoelectric energy harvester. <i>Applied Surface Science</i> , 2021 , 537, 147871	6.7	6
106	Simultaneous realization of high d and large strain in (K,Na,Li) (Nb,Sb)O ₃ -(Ca,Sr)ZrO ₃ materials and their application in piezoelectric actuators. <i>Ceramics International</i> , 2021 ,	5.1	2
105	Remarkable piezoelectric performance and good thermal stability of-textured 0.96(K _{0.5} Na _{0.5})(Nb Sb)O ₃ -0.04SrZrO ₃ lead-free piezoelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2021 , 882, 160662	5.7	3
104	Direct Growth of Ferroelectric Oxide Thin Films on Polymers through Laser-Induced Low-Temperature Liquid-Phase Crystallization. <i>Chemistry of Materials</i> , 2020 , 32, 6483-6493	9.6	4
103	An easy approach to obtain large piezoelectric constant in high-quality transparent ceramics by normal sintering process in modified potassium sodium niobate ceramics. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 2989-2995	6	6
102	Highly IR transparent ZnS ceramics sintered by vacuum hot press using hydrothermally produced ZnS nanopowders. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 2663-2673	3.8	2
101	Subwavelength Hollow-Nanopillared Glass with Gradient Refractive Index for Ultralow Diffuse Reflectance and Antifogging. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 6234-6242	9.5	3
100	Superior piezoelectric properties of lead-free thick-films and their application to alternative multilayer actuator. <i>Journal of Alloys and Compounds</i> , 2020 , 834, 155079	5.7	3

99	Improvement in conductance modulation linearity of artificial synapses based on NaNbO ₃ memristor. <i>Applied Materials Today</i> , 2020 , 19, 100582	6.6	2
98	Textured Pb(Zr,Ti)O ₃ -Pb[(Zn,Ni) _{1/3} Nb _{2/3}]O ₃ multilayer ceramics and their application to piezoelectric actuators. <i>Applied Materials Today</i> , 2020 , 20, 100695	6.6	6
97	An easy approach to obtain textured microstructure and transparent seed crystal prepared by simple molten salt synthesis in modified potassium sodium Niobate. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 1232-1235	6	4
96	Crystal structure and piezoelectric characteristics of various phases near the triple-point composition in PZ-PT-PNN system. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 1947-1956	6	6
95	Synaptic plasticity and preliminary-spike-enhanced plasticity in a CMOS-compatible Ta ₂ O ₅ memristor. <i>Materials and Design</i> , 2020 , 187, 108400	8.1	14
94	Improvement of Conductance Modulation Linearity in a Cu-Doped KNbO Memristor through the Increase of the Number of Oxygen Vacancies. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 1069-1077 ⁵	7.5	9
93	Enhanced energy transfer and conversion for high performance phononic crystal-assisted elastic wave energy harvesting. <i>Nano Energy</i> , 2020 , 78, 105226	17.1	30
92	Piezoelectric Energy Harvesting Design Principles for Materials and Structures: Material Figure-of-Merit and Self-Resonance Tuning. <i>Advanced Materials</i> , 2020 , 32, e2002208	24	27
91	Investigation of all-solid-state electrochromic devices with durability enhanced tungsten-doped nickel oxide as a counter electrode. <i>Journal of Alloys and Compounds</i> , 2020 , 815, 152399	5.7	24
90	Temperature-independent physical properties of electrophoretic Ti ₅ NbO ₁₄ films for high-temperature capacitors. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 3730-3737	6	
89	Thermally stable large strain in low-loss (Na _{0.2} K _{0.8})NbO ₃ -BaZrO ₃ for multilayer actuators. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 6837-6849	3.8	4
88	Thermally stable high strain and piezoelectric characteristics of (Li, Na, K)(Nb, Sb)O ₃ -CaZrO ₃ ceramics for piezo actuators. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 6115-6125	3.8	14
87	VO ₂ /WO ₃ -Based Hybrid Smart Windows with Thermochromic and Electrochromic Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 7111-7117	8.3	51
86	Review of Sintering Technologies, Structural Characteristics, and Piezoelectric Properties of NKN-Based Lead-Free Ceramics. <i>Transactions on Electrical and Electronic Materials</i> , 2019 , 20, 385-402	1.7	7
85	Low-temperature crystalline lead-free piezoelectric thin films grown on 2D perovskite nanosheet for flexible electronic device applications. <i>Nano Research</i> , 2019 , 12, 2559-2567	10	8
84	New lead-free piezoelectric thin film fabricated using metal-oxide nanosheets at low temperature. <i>Ceramics International</i> , 2019 , 45, 21773-21780	5.1	1
83	Various cubic-based polymorphic phase boundary structures in (1-y)(Na _{0.5} K _{0.5})(Nb _{1-x} Sb _x)-yCaTiO ₃ ceramics and their piezoelectric properties. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 973-985	6	12
82	Determination of the appropriate piezoelectric materials for various types of piezoelectric energy harvesters with high output power. <i>Nano Energy</i> , 2019 , 57, 581-591	17.1	16

81	Growth behavior and thermally stable electrical properties of TiNbO ₅ nanosheet thin films grown using the electrophoretic method. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 1149-1155	6	4
80	Pseudocubic-based polymorphic phase boundary structures and their effect on the piezoelectric properties of (Li,Na,K)(Nb,Sb)O ₃ -SrZrO ₃ lead-free ceramics. <i>Journal of Alloys and Compounds</i> , 2019 , 784, 1334-1343	5.7	11
79	Highly Sensitive and Selective PbTiO ₃ Gas Sensors with Negligible Humidity Interference in Ambient Atmosphere. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5240-5246	9.5	24
78	Inverted bulk-heterojunction polymer solar cells using a sputter-deposited Al-doped ZnO electron transport layer. <i>Journal of Alloys and Compounds</i> , 2019 , 777, 717-722	5.7	15
77	Piezoelectric properties of (Na _{0.5} K _{0.5})(Nb _{1-x} Sb _x)O ₃ -SrTiO ₃ ceramics with tetragonal-pseudocubic PPB structure. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 3997-4010	3.8	12
76	Carbon nanotube/graphene oxide-added CaO-B ₂ O ₃ -SiO ₂ glass/Al ₂ O ₃ composite as substrate for chip-type supercapacitor. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 3156-3167	3.8	8
75	Synaptic Plasticity and Metaplasticity of Biological Synapse Realized in a KNbO ₃ Memristor for Application to Artificial Synapse. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25673-25682	9.5	45
74	Physical Properties of (NaK)NbO ₃ Thin Film Grown at Low Temperature Using Two-Dimensional CaNbO ₃ Nanosheet Seed Layer. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25536-25546	9.5	13
73	Relationship between piezoelectric properties of ceramics and output performance of 33-mode piezoelectric energy harvesters. <i>Smart Materials and Structures</i> , 2018 , 27, 115027	3.4	5
72	Microstructural and optical properties of the ZnS ceramics sintered by vacuum hot-pressing using hydrothermally synthesized ZnS powders. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4237-4244	6	19
71	Low-temperature sintering and microwave dielectric properties of B ₂ O ₃ -added ZnO-deficient Zn ₂ GeO ₄ ceramics for advanced substrate application. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4682-4688	6	17
70	Orthorhombic-pseudocubic phase transition and piezoelectric properties of (Na _{0.5} K _{0.5})(Nb _{1-x} Sb _x)-SrZrO ₃ ceramics. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 4827-4835	3.8	14
69	Nanogenerator-induced synaptic plasticity and metaplasticity of bio-realistic artificial synapses. <i>NPG Asia Materials</i> , 2017 , 9, e381-e381	10.3	43
68	Piezoelectric properties of Pb(Zr,Ti)O ₃ -Pb(Ni,Nb)O ₃ ceramics and their application in energy harvesters. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 3935-3942	6	27
67	CuO-added KNbO ₃ -BaZrO ₃ lead-free piezoelectric ceramics with low loss and large electric field-induced strain. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 2948-2957	3.8	3
66	Structural and electrical properties of Sr ₂ NaNb ₄ O ₁₃ thin film grown by electrophoretic method using nanosheets synthesized from K(Sr ₂ NaNb ₄ O ₁₃) compound. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 2407-2413	6	4
65	Low temperature firing and microwave dielectric properties of Bi _{4-x} Ge ₃ O _{12-x/5} ceramics. <i>Ceramics International</i> , 2017 , 43, 2801-2806	5.1	2
64	Synthesis of Sr ₂ Nb ₃ O ₁₀ nanosheets and their application for growth of thin film using an electrophoretic method. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 1098-1107	3.8	8

63	Piezoelectric properties of $(\text{Na}_{1-x}\text{K}_x)\text{NbO}_3$ -based lead-free piezoelectric ceramics and their application in knocking sensor. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 5367-5373	3.8	8
62	Structural and piezoelectric properties of textured PZT-PZNN piezoelectric ceramics. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 5681-5692	3.8	24
61	Synthesis and dielectric properties of layered-perovskite $\text{KCa}_2\text{NaN}_{3-3n}\text{Nb}_n\text{O}_{3n+1}$ ceramics. <i>Ceramics International</i> , 2017 , 43, 15089-15094	5.1	2
60	Low-Temperature-Grown KNbO_3 Thin Films and Their Application to Piezoelectric Nanogenerators and Self-Powered ReRAM Device. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43220-43229	9.5	16
59	Flexible Indium-Tin Oxide Crystal on Plastic Substrates Supported by Graphene Monolayer. <i>Scientific Reports</i> , 2017 , 7, 3131	4.9	18
58	Synthesis and microwave dielectric properties of $\text{Bi}_2\text{Ge}_3\text{O}_9$ ceramics for application as advanced ceramic substrate. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 605-610	6	21
57	Large Electrostrain in $\text{K}(\text{Nb}_{1-x}\text{Mn}_x)\text{O}_3$ Lead-Free Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 4031-4038	3.8	14
56	Large Strain in CuO -added $(\text{Na}_{0.2}\text{K}_{0.8})\text{NbO}_3$ Ceramic for Use in Piezoelectric Multilayer Actuators. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 938-945	3.8	15
55	Electrophoretic deposition of $\text{Ca}_2\text{Nb}_3\text{O}_{10}$ nanosheets synthesized by soft-chemical exfoliation. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 178-184	7.1	13
54	Multilayer piezoelectric haptic actuator with CuO -modified PZT-PZNN ceramics. <i>Sensors and Actuators A: Physical</i> , 2016 , 238, 71-79	3.9	30
53	Microstructural and Microwave Dielectric Properties of $\text{Bi}_{12}\text{GeO}_{20}$ and Bi_2O_3 -Deficient $\text{Bi}_{12}\text{GeO}_{20}$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2361-2367	3.8	8
52	Resistive Switching Memory Integrated with Nanogenerator for Self-Powered Bioimplantable Devices. <i>Advanced Functional Materials</i> , 2016 , 26, 5211-5221	15.6	38
51	Structural and electrical properties of KNbO_3 thin film grown on a $\text{Pt}/\text{Ti}/\text{SiO}_2/\text{Si}$ substrate using the RF magnetron sputtering method. <i>Acta Materialia</i> , 2016 , 112, 53-58	8.4	12
50	Relation between structure and piezoelectric properties of $(1-x-y)\text{PbZrO}_3-x\text{PbTiO}_3-y\text{Pb}(\text{Ni}_{1/3}\text{Nb}_{2/3})\text{O}_3$ ceramics near triple point composition. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 4049-4057	6	28
49	High-Performance $(\text{Na}_{0.5}\text{K}_{0.5})\text{NbO}_3$ Thin Film Piezoelectric Energy Harvester. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 119-124	3.8	22
48	Effect of CuO on the ferroelectric and piezoelectric properties of lead-free KNbO_3 ceramics. <i>Sensors and Actuators A: Physical</i> , 2015 , 234, 9-16	3.9	13
47	Structural and Piezoelectric Properties of $(1-x)\text{Pb}(\text{Zr}_{1-y}\text{Ti}_y)\text{O}_3-x\text{Pb}(\text{Zn}_{0.4}\text{Ni}_{0.6})_{1/3}\text{Nb}_{2/3}\text{O}_3$ Ceramics Near Triple Point. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2887-2893	3.8	12
46	Microstructural variation and dielectric properties of KTiNbO_5 and $\text{K}_3\text{Ti}_5\text{NbO}_{14}$ ceramics. <i>Ceramics International</i> , 2014 , 40, 5861-5867	5.1	9

45	Influence of sintering conditions on piezoelectric properties of KNbO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 4193-4200	6	20
44	Unipolar resistive switching properties of amorphous Pr _{0.7} Ca _{0.3} MnO ₃ films grown on a Pt/Ti/SiO ₂ /Si substrate. <i>Current Applied Physics</i> , 2014 , 14, 538-542	2.6	11
43	Low-Temperature Sintering and Piezoelectric Properties of CuO-Added KNbO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 3897-3903	3.8	15
42	Piezoelectric Ceramics for Use in Multilayer Actuators and Energy Harvesters. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 3157-3163	3.8	11
41	Electrical Properties of a 0.95(Na _{0.5} K _{0.5})NbO ₃ -0.05CaTiO ₃ Thin Film Grown on a Pt/Ti/SiO ₂ /Si Substrate. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2892-2896	3.8	6
40	Bipolar switching properties of amorphous TiO ₂ thin film grown on TiN/Si substrate. <i>Current Applied Physics</i> , 2014 , 14, 1825-1830	2.6	6
39	Microstructures and Microwave Dielectric Properties of Bi ₂ O ₃ -Deficient Bi ₁₂ SiO ₂₀ Ceramics. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 2225-2229	3.8	9
38	Structural dependence of the piezoelectric properties of KNbO ₃ nanowires synthesized by the hydrothermal method. <i>Acta Materialia</i> , 2013 , 61, 3703-3708	8.4	24
37	Relation between piezoelectric properties of ceramics and output power density of energy harvester. <i>Journal of the European Ceramic Society</i> , 2013 , 33, 1343-1347	6	33
36	High energy-density 0.72Pb(Zr _{0.47} Ti _{0.53})O ₃ -0.28Pb[(Zn _{0.45} Ni _{0.55}) _{1/3} Nb _{2/3}]O ₃ thick films fabricated by tape casting for energy-harvesting-device applications. <i>Journal of the Korean Physical Society</i> , 2013 , 63, 1772-1776	0.6	3
35	Sintering behavior and dielectric properties of KCa ₂ Nb ₃ O ₁₀ ceramics. <i>Journal of the European Ceramic Society</i> , 2013 , 33, 907-911	6	11
34	Effect of Bi ₂ O ₃ Doping on the Sintering Temperature and Microwave Dielectric Properties of LiAlSiO ₄ Ceramics. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 1811-1813	3.8	14
33	Low temperature sintering of ZnO and MnO ₂ -added (Na _{0.5} K _{0.5})NbO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 2381-2387	6	48
32	Effects of oxygen pressure on electrical properties of (Na _{0.5} K _{0.5})NbO ₃ films grown on Pt/Ti/SiO ₂ /Si substrates. <i>Acta Materialia</i> , 2012 , 60, 7034-7040	8.4	17
31	Large in-plane permittivity of Ba _{0.6} Sr _{0.4} TiO ₃ thin films crystallized using excimer laser annealing at 300 °C. <i>Applied Physics Letters</i> , 2012 , 101, 242910	3.4	8
30	Effects of annealing atmosphere on the structural and electrical properties of (Na _{0.5} K _{0.5})NbO ₃ thin films grown by RF magnetron sputtering. <i>Acta Materialia</i> , 2012 , 60, 3107-3112	8.4	26
29	Resistive switching properties of amorphous Pr _{0.7} Ca _{0.3} MnO ₃ films grown on indium tin oxide/glass substrate using pulsed laser deposition method. <i>Applied Physics Letters</i> , 2012 , 100, 212111	3.4	11
28	Synthesis of highly tetragonal BaTiO ₃ nanopowders by a two-step alkoxide/hydroxide route. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 9089-9092	5.7	10

27	Low-Temperature Sintering and Piezoelectric Properties of 0.65Pb(Zr _{1-x} Ti _x)O ₃ 0.35Pb(Ni _{0.33} Nb _{0.67})O ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 3442-3448	3.8	37
26	Growth Behavior and Electrical Properties of a (Na _{0.5} K _{0.5})NbO ₃ Thin Film Deposited on a Pt/Ti/SiO ₂ /Si Substrate Using RF Magnetron Sputtering. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 1970-1973	3.8	22
25	Low Temperature Sintering and Microwave Dielectric Properties of B ₂ O ₃ -added LiAlSiO ₄ Ceramics. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 1995-1998	3.8	42
24	Low-Temperature Crystallization of Sol-Gel Derived PbZr _{0.52} Ti _{0.48} O ₃ Thin Films with a Vanadium Additive. <i>Journal of the Electrochemical Society</i> , 2011 , 159, D9-D12	3.9	5
23	Microstructure and Microwave Dielectric Properties of the Li ₂ CO ₃ -Added Sr ₂ V ₂ O ₇ Ceramics. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2132-2135	3.8	8
22	Effect of MnO ₂ on the Piezoelectric Properties of the 0.75Pb(Zr _{0.47} Ti _{0.53})O ₃ 0.25Pb(Zn _{1/3} Nb _{2/3})O ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2537-2540	3.8	54
21	A generalized rule for large piezoelectric response in perovskite oxide ceramics and its application for design of lead-free compositions. <i>Journal of Applied Physics</i> , 2009 , 105, 114108	2.5	28
20	Sintering Behavior of Lead-Free (K,Na)NbO ₃ -Based Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 2033-2038	3.8	73
19	Microstructure and piezoelectric properties of (Na _{0.5} K _{0.5})NbO ₃ lead-free piezoelectric ceramics with V ₂ O ₅ addition. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009 , 56, 2337-2342	3.2	17
18	Effect of CuO on the sintering temperature and piezoelectric properties of lead-free 0.95(Na _{0.5} K _{0.5})NbO ₃ 0.05CaTiO ₃ ceramics. <i>Materials Research Bulletin</i> , 2008 , 43, 3580-3586	5.1	60
17	Correlation between Phase Transitions and Piezoelectric Properties in Lead-Free (K,Na,Li)NbO ₃ BaTiO ₃ Ceramics. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 8880-8883	1.4	57
16	Microstructure and piezoelectric properties of the CuO-added (Na _{0.5} K _{0.5})(Nb _{0.97} Sb _{0.03})O ₃ lead-free piezoelectric ceramics. <i>Journal of Applied Physics</i> , 2008 , 104, 034103	2.5	67
15	Dielectric and piezoelectric properties of (1-x)(Na _{0.5} K _{0.5})NbO ₃ -xBaTiO ₃ ceramics. <i>Journal of Materials Science</i> , 2008 , 43, 6784-6797	4.3	35
14	Low-Temperature Sintering and Microwave Dielectric Properties of the Zn ₂ SiO ₄ Ceramics. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 671-674	3.8	33
13	Effect of CuO on the Sintering Temperature and Piezoelectric Properties of (Na _{0.5} K _{0.5})NbO ₃ Lead-Free Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 2374-2377	3.8	126
12	Effect of CuO on the Sintering and Piezoelectric Properties of 0.95(Na _{0.5} K _{0.5})NbO ₃ 0.05SrTiO ₃ Lead-Free Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 3955-3960	3.8	32
11	Low-Temperature Sintering and Microwave Dielectric Properties of V ₂ O ₅ -Added Zn ₂ SiO ₄ Ceramics. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 4133-4136	3.8	22
10	Microstructure and Piezoelectric Properties of (1-x)(Na _{0.5} K _{0.5})NbO ₃ -xLiNbO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 1812-1816	3.8	94

9	Microstructure and Piezoelectric Properties of 0.95(Na _{0.5} K _{0.5})NbO ₃ 0.05SrTiO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 1946-1949	3.8	62
8	Microstructure and piezoelectric properties of lead-free (1-x)(Na _{0.5} K _{0.5})NbO ₃ -xCaTiO ₃ ceramics. <i>Journal of Applied Physics</i> , 2007 , 102, 124101	2.5	96
7	Microstructure and piezoelectric properties of 0.95(Na _{0.5} K _{0.5})NbO ₃ 0.05BaTiO ₃ ceramics. <i>Applied Physics Letters</i> , 2006 , 89, 062906	3.4	210
6	Effect of ZnO and CuO on the Sintering Temperature and Piezoelectric Properties of a Hard Piezoelectric Ceramic. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 921-925	3.8	82
5	Effect of MnO ₂ on the Piezoelectric Properties of (1-x)(Na _{0.5} K _{0.5})NbO ₃ -xBaTiO ₃ Ceramics. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, L1361-L1364	1.4	85
4	Low-Temperature Sintering and Microwave Dielectric Properties of Zinc Metatitanate-Rutile Mixtures Using Boron. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 3043-3048	3.8	177
3	Low-Fired (Zn,Mg)TiO ₃ Microwave Dielectrics. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 3476-3480	3.8	155
2	Microstructure and Piezoelectric Properties of ZnO-added (Na _{0.5} K _{0.5})NbO ₃ Ceramics. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, L1072-L1074	1.4	192
1	Low-Temperature Sintering and Piezoelectric Properties of ZnO-Added 0.41Pb(Ni _{1/3} Nb _{2/3})O ₃ 0.36PbTiO ₃ 0.23PbZrO ₃ Ceramics. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 5676-5680	1.4	30