Kyung-Hoon Cho

List of Publications by Year
in descending order

67 papers	1,795 citations	257357 24 h-index	276775 41 g-index
67 all docs	67 docs citations	67 times ranked	1288 citing authors

#	Article	IF	Citations
1	Grain Growth Behavior and Electrical Properties of 0.96(K0.46â^'xNa0.54â^'x)Nb0.95Sb0.05O3â€“0.04Bi0.5(Na0.82K0.18)0.5ZrO3 Ceramics. Materials, 2022, 15, 2357.	1.3	0
2	Enhanced pyroelectric response from domain-engineered lead-free (K0.5Bi0.5TiO3-BaTiO3)-Na0.5Bi0.5TiO3 ferroelectric ceramics. Journal of the European Ceramic Society, 2021, 41, 2524-2532.	2.8	18
3	Cation distribution and magnetostrictive strain in CuFe2â^'xGaxO4 ceramics. Ceramics International, 2021, 47, 11848-11855.	2.3	3
4	Giant Grain Growth in (K,Na)NbO3 Ceramics. Ceramist, 2021, 24, 286-294.	0.0	0
5	BiFeO3-Based Relaxor Ferroelectrics for Energy Storage: Progress and Prospects. Materials, 2021, 14, 7188.	1.3	11
6	An easy approach to obtain textured microstructure and transparent seed crystal prepared by simple molten salt synthesis in modified potassium sodium Niobate. Journal of the European Ceramic Society, 2020, 40, 1232-1235.	2.8	11
7	Giant Self-biased Magnetoelectric Effect in Pre-biased Magnetostrictiveâ€“Piezoelectric Laminate Composites. Electronic Materials Letters, 2020, 16, 123-130.	1.0	4
8	High Magnetic Field Sensitivity in Ferromagneticâ€“Ferroelectric Composite with High Mechanical Quality Factor. Sensors, 2020, 20, 6635.	2.1	0
9	Cellular Auxetic Structures for Mechanical Metamaterials: A Review. Sensors, 2020, 20, 3132.	2.1	123
10	An easy approach to obtain large piezoelectric constant in high-quality transparent ceramics by normal sintering process in modified potassium sodium niobate ceramics. Journal of the European Ceramic Society, 2020, 40, 2989-2995.	2.8	16
11	Designing ferroelectric/ferromagnetic composite with giant self-biased magnetoelectric effect. Applied Physics Letters, 2019, 115, .	1.5	15
12	Effect of Structural Control on the Magnetoelectric Characteristics of Piezoelectricâ€“Magnetostrictive Laminate Composite in Resonance and Off-Resonance Modes. Electronic Materials Letters, 2019, 15, 555-561.	1.0	5
13	Effect of MnO₂ and CuO Addition on Microstructure and Piezoelectric Properties of 0.96(K_{0.5}Na_{0.5})_{0.95}Li_{0.05}Nb_{0.93}Sb_{0.07}O₃ Ceramics. Korean Journal of Materials Research, 2019, 29, 150-154.	0.1	0
14	Fast Abnormal Grain Growth Behavior and Electric Properties of Lead-Free Piezoelectric (K,Na)NbO₃â^'Ba(Cu,Nb)O₃ Grains through Transient Liquid Phase. Korean Journal of Materials Research, 2019, 29, 205-210.	0.1	1
15	Seed crystal of modified potassium sodium niobate prepared by simple molten salt synthesis. Journal of the American Ceramic Society, 2018, 101, 515-519.	1.9	7
16	A composition design rule for crystal growth of centimeter scale by normal sintering process in modified potassium sodium niobate ceramics. Journal of the European Ceramic Society, 2018, 38, 1416-1420.	2.8	15
17	15-Mode piezoelectric composite and its application in a magnetoelectric laminate structure. Journal of Alloys and Compounds, 2018, 767, 61-67.	2.8	16
18	Effect of Dimension Control of Piezoelectric Layer on the Performance of Magnetoelectric Laminate Composite. Korean Journal of Materials Research, 2018, 28, 611-614.	0.1	4

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19	Enhanced temperature stability in ã€˜111ã€‰ textured tetragonal Pb(Mg1/3Nb2/3)O3-PbTiO3 piezoelectric ceramics. Journal of Applied Physics, 2015, 118, .	1.1	24
20	Magnetoelectric Laminate Composite: Effect of Piezoelectric Layer on Magnetoelectric Properties. Ferroelectrics, 2014, 473, 110-128.	0.3	7
21	Zigzag-shaped piezoelectric based high performance magnetoelectric laminate composite. Applied Physics Letters, 2014, 104, .	1.5	10
22	Structureâ€“performance relationships for cantilever-type piezoelectric energy harvesters. Journal of Applied Physics, 2014, 115, .	1.1	31
23	Structural and piezoelectric properties of MnO2-added 0.95(Na0.5K0.5)NbO3â€“0.05SrTiO3 ceramics. Sensors and Actuators A: Physical, 2013, 200, 47-50.	2.0	7
24	Giant energy density in [001]-textured Pb(Mg1/3Nb2/3)O3-PbZrO3-PbTiO3 piezoelectric ceramics. Applied Physics Letters, 2013, 102, .	1.5	88
25	Low-Voltage-Driven Pentacene Thin-Film Transistors with Cross-Linked Poly(4-vinylphenol)/High-<I>k</I> Bi₅Nb₃O₁₅ Hybrid Dielectric for Phototransistor. Journal of Nanoscience and Nanotechnology, 2012, 12, 3355-3359.	0.9	2
26	Phase transition and temperature stability of piezoelectric properties in Mn-modified Pb(Mg_{1/3}Nb_{2/3})O₃-PbZrO₃-PbTiO₃ ceramics. Applied Physics Letters, 2012, 100, 152902.	1.5	18
27	Piezoelectric properties and temperature stability of Mn-doped Pb(Mg1/3Nb2/3)-PbZrO3-PbTiO3 textured ceramics. Applied Physics Letters, 2012, 100, .	1.5	48
28	Self-biased converse magnetoelectric effect. Applied Physics Letters, 2011, 99, .	1.5	38
29	Templated Grain Growth of ã€˜001ã€‰-Textured 0.675Pb(Mg1/3Nb2/3)O3-0.325PbTiO3 Piezoelectric Ceramics for Magnetic Field Sensors. Journal of the American Ceramic Society, 2011, 94, 1784-1793.	1.9	65
30	Selfâ€Bias Response of Leadâ€Free (1â^'x)[0.948 K_{0.5}Na_{0.5}NbO₃â€“0.052 LiSbO₃]â€“xNi_{0.8}Zn_{0.2}Fe₂O₄â€“Nickel Magnetoelectric Laminate Composites. Journal of the American Ceramic Society, 2011, 94, 3889-3899.	1.9	31
31	Identification and Effect of Secondary Phase in <scp>MnO₂</scp>â€Doped <scp>0.8Pb(Zr_{0.52}Ti_{0.48})O₃â€“0.2Pb(Zn_{1/3}Nb_{2/3})O₃</scp> Piezoelectric Ceramics. Journal of the American Ceramic Society, 2011, 94, 3953-3959.	1.9	77
32	Role of Secondary Phase in High Power Piezoelectric <scp><scp>PMNâ€PZT</scp></scp> Ceramics. Journal of the American Ceramic Society, 2011, 94, 4138-4141.	1.9	35
33	Synthesis of ferroelectric PZT fibers using solâ€“gel technique. Materials Letters, 2011, 65, 775-779.	1.3	11
34	Microstructure and Electrical Properties of Amorphous $ hbox{Bi}_{5}hbox{Nb}_{3}hbox{O}_{15}$ Films Grown on Cu/Ti/$ hbox{SiO}_{2}$/Si Substrates Using RF Magnetron Sputtering. IEEE Transactions on Electron Devices, 2011, 58, 1462-1467.	1.6	9
35	Direct and converse effect in magnetoelectric laminate composites. Applied Physics Letters, 2011, 98, .	1.5	72
36	Effect of intensive and extensive loss factors on the dynamic response of magnetoelectric laminates. Applied Physics Letters, 2010, 97, .	1.5	29

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37	Investigation on the valence state of Te ions in the Bi6Ti5TeO22 thin film using X-ray photoelectron spectroscopy. Journal of the European Ceramic Society, 2010, 30, 517-520.	2.8	2
38	Leakage current mechanism and effect of oxygen vacancy on the leakage current of Bi5Nb3O15 films. Journal of the European Ceramic Society, 2010, 30, 513-516.	2.8	18
39	Optical properties of bismuth niobate thin films studied by spectroscopic ellipsometry. Thin Solid Films, 2010, 518, 6526-6530.	0.8	6
40	Self-biased magnetoelectric response in three-phase laminates. Journal of Applied Physics, 2010, 108, .	1.1	90
41	Effects of Ambient Gas Pressure on the Resistance Switching Properties of the NiO Thin Films Grown by Radio Frequency Magnetron Sputtering. Japanese Journal of Applied Physics, 2010, 49, 121103.	0.8	7
42	High magnetic field sensitivity in Pb(Zr,Ti)O3â€“Pb(Mg1/3Nb2/3)O3 single crystal/Terfenol-D/Metglas magnetoelectric laminate composites. Journal of Applied Physics, 2010, 107, .	1.1	48
43	Effects of oxygen pressure and Mn-doping on the electrical and dielectric properties of Bi5Nb3O15thin film grown by pulsed laser deposition. Journal Physics D: Applied Physics, 2009, 42, 175402.	1.3	8
44	Crystallization and Improvement of Electrical Properties of Bi5Nb3O15Thin Films Grown at Low Temperature. Japanese Journal of Applied Physics, 2009, 48, 111401.	0.8	2
45	Structural and Electrical Properties of Mn-Doped $ hbox{Bi}_{4}hbox{Ti}_{3}hbox{O}_{12}$ Thin Film Grown on $ hbox{TiN}/hbox{SiO}_{2}/hbox{Si}$ Substrate for RF MIM Capacitors. IEEE Transactions on Electron Devices, 2009, 56, 1631-1636.	1.6	1
46	Microstructure and luminescent properties of Eu2W2O9 phosphors. Journal of Electroceramics, 2009, 22, 98-104.	0.8	7
47	Effect of oxygen vacancy and Mn-doping on electrical properties of Bi4Ti3O12 thin film grown by pulsed laser deposition. Acta Materialia, 2009, 57, 2454-2460.	3.8	26
48	A Flexible Amorphous Bi5Nb3O15 Film for the Gate Insulator of the Low-Voltage Operating Pentacene Thin-Film Transistor Fabricated at Room Temperature. Langmuir, 2009, 25, 12349-12354.	1.6	4
49	Structural and Electrical Properties of (1-x)Bi5Nb3O15-xBi4Ti3O12 Ceramics and 0.96Bi5Nb3O15-0.04Bi4Ti3O12 Thin Films Grown by Pulsed Laser Deposition. Electronic Materials Letters, 2009, 5, 23-27.	1.0	2
50	Electrical Properties of $hbox{Bi}_{5}hbox{Nb}_{3} hbox{O}_{15}$ Thin Film Grown on $hbox{TiN}/hbox{SiO}_{2}/ hbox{Si}$ at Room Temperature for Metalâ€“Insulatorâ€“Metal Capacitors. IEEE Electron Device Letters, 2009, 30, 614-616.	2.2	8
51	Effect of CuO on the Sintering Temperature and Piezoelectric Properties of (Na_{0.5}K_{0.5})NbO₃ Leadâ€Free Piezoelectric Ceramics. Journal of the American Ceramic Society, 2008, 91, 2374-2377.	1.9	135
52	Effect of CuO on the Sintering and Piezoelectric Properties of 0.95(Na_{0.5}K_{0.5})NbO₃â€“0.05SrTiO₃Leadâ€Free Piezoelectric Ceramics. Journal of the American Ceramic Society, 2008, 91, 3955-3960.	1.9	33
53	Effect of CuO on the sintering temperature and piezoelectric properties of lead-free 0.95(Na0.5K0.5)NbO3â€“0.05CaTiO3 ceramics. Materials Research Bulletin, 2008, 43, 3580-3586.	2.7	64
54	Structural and Electrical Properties of Bi[sub 5]Nb[sub 3]O[sub 15] Thin Films for MIM Capacitors with Low Processing Temperatures. Journal of the Electrochemical Society, 2008, 155, G148.	1.3	22

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55	Effect of Oxygen Pressure on the Electrical Properties of $hbox{Bi}_{5} hbox{Nb}_{3}hbox{O}_{15}$ Films Grown by RF Magnetron Sputtering. IEEE Electron Device Letters, 2008, 29, 984-987.	2.2	12
56	Low temperature sintering and piezoelectric properties of lead-free (1-x) (Na0.5K0.5)NbO3-xCaTiO3 ceramics. , 2008, , .		0
57	Electrical Properties of Amorphous $hbox{Bi}_{5} hbox{Nb}_{3}hbox{O}_{15}$ Thin Film for RF MIM Capacitors. IEEE Electron Device Letters, 2008, 29, 684-687.	2.2	24
58	Investigation on the Electric Properties of $ hbox{Bi}_{1.5}hbox{ZnNb}_{1.5}hbox{O}_{7}$ Thin Films Grown on TiN Substrate for MIM Capacitors. IEEE Electron Device Letters, 2008, 29, 334-337.	2.2	18
59	Oxygen Pressure and Mn-Doping Effects on the Structure and Leakage Current of Bi[sub 6]Ti[sub 5]TeO[sub 22] Thin Film. Journal of the Electrochemical Society, 2008, 155, G199.	1.3	7
60	Effect of Oxygen Vacancies on the Electrical Properties of Bi[sub 6]Ti[sub 5]TeO[sub 22] Thin Film. Electrochemical and Solid-State Letters, 2008, 11, G51.	2.2	4
61	Structural and Electrical Properties of Bi[sub 6]Ti[sub 5]TeO[sub 22] Thin Films Grown on Pt/Ti/SiO[sub 2]/Si Substrate. Journal of the Electrochemical Society, 2008, 155, G87.	1.3	15
62	Microstructure and piezoelectric properties of lead-free (1â^'x)(Na0.5K0.5)NbO3-xCaTiO3 ceramics. Journal of Applied Physics, 2007, 102, .	1.1	111
63	Microstructure and Piezoelectric Properties of (1?x)(Na0.5K0.5)NbO3?xLiNbO3Ceramics. Journal of the American Ceramic Society, 2007, 90, 1812-1816.	1.9	101
64	Microstructure and Piezoelectric Properties of 0.95(Na0.5K0.5)NbO3?0.05SrTiO3Ceramics. Journal of the American Ceramic Society, 2007, 90, 1946-1949.	1.9	66
65	Lowâ€Temperature Sintering and Piezoelectric Properties of CuOâ€Added 0.95(Na_{0.5}K_{0.5})NbO₃â€“0.05BaTiO₃ Ceramics. Journal of the American Ceramic Society, 2007, 90, 4066-4069.	1.9	30
66	Low temperature sintering of BaOâ€“Sm2O3â€“4TiO2 ceramics. Journal of the European Ceramic Society, 2007, 27, 1053-1058.	2.8	10
67	Effect of BaCu(B2O5) on the sintering temperature and microwave dielectric properties of BaOâ€“Ln2O3â€“TiO2 (Ln=Sm, Nd) ceramics. Materials Research Bulletin, 2006, 41, 1868-1874.	2.7	62