

Seok-Jin Yoon

List of Publications by Year in descending order

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126
papers

4,033
citations

136885

32
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128225

60
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127
all docs

127
docs citations

127
times ranked

5380
citing authors

#	ARTICLE	IF	CITATIONS
1	Issue and challenges facing rechargeable thin film lithium batteries. <i>Materials Research Bulletin</i> , 2008, 43, 1913-1942.	2.7	514
2	Highly Stretchable Piezoelectric-Pyroelectric Hybrid Nanogenerator. <i>Advanced Materials</i> , 2014, 26, 765-769.	11.1	469
3	High Output Piezo/Triboelectric Hybrid Generator. <i>Scientific Reports</i> , 2015, 5, 9309.	1.6	216
4	Recent Progress on PZT Based Piezoelectric Energy Harvesting Technologies. <i>Actuators</i> , 2016, 5, 5.	1.2	177
5	Powerful curved piezoelectric generator for wearable applications. <i>Nano Energy</i> , 2015, 13, 174-181.	8.2	159
6	All-Solution-Processed Flexible Thin Film Piezoelectric Nanogenerator. <i>Advanced Materials</i> , 2012, 24, 6022-6027.	11.1	143
7	Self-activated ultrahigh chemosensitivity of oxide thin film nanostructures for transparent sensors. <i>Scientific Reports</i> , 2012, 2, 588.	1.6	110
8	Extremely Sensitive and Selective NO Probe Based on Villi-like WO_3 Nanostructures for Application to Exhaled Breath Analyzers. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 10591-10596.	4.0	96
9	Au-decorated WO_3 cross-linked nanodomes for ultrahigh sensitive and selective sensing of NO_2 and C_2H_5OH . <i>RSC Advances</i> , 2013, 3, 10452.	1.7	77
10	Crystal structure and microwave dielectric properties of $La(Mg_{1/2}Ti_{1/2})O_3$ ceramics. <i>Journal of Materials Science Letters</i> , 2000, 19, 131-134.	0.5	71
11	Multilayer piezoelectric energy scavenger for large current generation. <i>Journal of Electroceramics</i> , 2009, 23, 301-304.	0.8	68
12	Superhydrophobic and antireflective nanograin-coated glass for high performance solar cells. <i>Nano Research</i> , 2014, 7, 670-678.	5.8	66
13	Microwave dielectric properties of $Ca[(Li_{1/3}Nb_{2/3})_xM_x]O_3$ ($M = Sn, Ti$) ceramics. <i>Journal of Materials Research</i> , 1999, 14, 3567-3570.	1.2	64
14	Effect of Additives on the Electromechanical Properties of $Pb(Zr,Ti)O_3$ - $Pb(Y_{2/3}W_{1/3})O_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , 1997, 80, 1035-1039.	1.9	62
15	A novel tiny ultrasonic linear motor using the radial mode of a bimorph. <i>Sensors and Actuators A: Physical</i> , 2006, 125, 477-481.	2.0	56
16	Fabrication of Bismuth Telluride-Based Alloy Thin Film Thermoelectric Devices Grown by Metal Organic Chemical Vapor Deposition. <i>Journal of Electronic Materials</i> , 2009, 38, 920-924.	1.0	56
17	Wear and dynamic properties of piezoelectric ultrasonic motor with frictional materials coated stator. <i>Materials Chemistry and Physics</i> , 2005, 90, 391-395.	2.0	49
18	Non-Volatile Control of 2DEG Conductivity at Oxide Interfaces. <i>Advanced Materials</i> , 2013, 25, 4612-4617.	11.1	47

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19	Piezoelectric nanogenerators synthesized using KNbO_3 nanowires with various crystal structures. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18547-18553.	5.2	47
20	Microwave Characteristics of $(\text{Pb,Ca})(\text{Fe,Nb,Sn})\text{O}_3$ Dielectric Materials. <i>Journal of the American Ceramic Society</i> , 1997, 80, 2937-2940.	1.9	46
21	Effects of CuO and ZnO Additives on Sintering Temperature and Piezoelectric Properties of $0.41\text{Pb}(\text{Ni}_{1/3}\text{Nb}_{2/3})\text{O}_3 \cdot 0.36\text{PbTiO}_3 \cdot 0.23\text{PbZrO}_3$ Ceramics. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 205-210.	0.8	45
22	Embossed TiO_2 Thin Films with Tailored Links between Hollow Hemispheres: Synthesis and Gas-Sensing Properties. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9993-9999.	1.5	42
23	Relation between structure and piezoelectric properties of $(1-x-y)\text{PbZrO}_3 \cdot x\text{PbTiO}_3 \cdot y\text{Pb}(\text{Ni}_{1/3}\text{Nb}_{2/3})\text{O}_3$ ceramics near triple point composition. <i>Journal of the European Ceramic Society</i> , 2016, 36, 4049-4057.	2.8	41
24	Highly Sensitive H_2S Sensor Based on the Metal-Catalyzed SnO_2 Nanocolumns Fabricated by Glancing Angle Deposition. <i>Sensors</i> , 2015, 15, 15468-15477.	2.1	39
25	Low-Temperature Sintering and Piezoelectric Properties of ZnO -Added $0.41\text{Pb}(\text{Ni}_{1/3}\text{Nb}_{2/3})\text{O}_3 \cdot 0.36\text{PbTiO}_3 \cdot 0.23\text{PbZrO}_3$ Ceramics. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 5676-5680.	0.8	38
26	High-temperature thermoelectric properties of nanostructured $\text{Ca}_3\text{Co}_4\text{O}_9$ thin films. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	38
27	Structural approaches for enhancing output power of piezoelectric polyvinylidene fluoride generator. <i>Nano Energy</i> , 2016, 22, 514-523.	8.2	38
28	Effects of ZnO on piezoelectric properties of $0.01\text{PMW} \cdot 0.41\text{PNN} \cdot 0.35\text{PT} \cdot 0.23\text{PZ}$ ceramics. <i>Materials Chemistry and Physics</i> , 2005, 90, 396-400.	2.0	36
29	Butterfly-shaped ultra slim piezoelectric ultrasonic linear motor. <i>Sensors and Actuators A: Physical</i> , 2011, 168, 127-130.	2.0	36
30	Microwave dielectric properties of Bi_2O_3 -doped $\text{Ca}[(\text{Li}_{1/3}\text{Nb}_{2/3})_{1-x}\text{Tix}]\text{O}_3$ ceramics. <i>Journal of the European Ceramic Society</i> , 2003, 23, 2413-2416.	2.8	34
31	An earthworm-like locomotive mechanism for capsule endoscopes. , 2005, , .		33
32	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.	2.8	33
33	Effects of annealing atmosphere on the structural and electrical properties of $(\text{Na}_{0.5}\text{K}_{0.5})\text{NbO}_3$ thin films grown by RF magnetron sputtering. <i>Acta Materialia</i> , 2012, 60, 3107-3112.	3.8	32
34	Piezoelectric Properties of $\text{Pb}[\text{Zr}_{0.45}\text{Ti}_{0.5-x}\text{Lu}_x(\text{Mn}_{1/3}\text{Sb}_{2/3})_{0.05}]\text{O}_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , 1998, 81, 2473-2476.	1.9	31
35	High-Performance $(\text{Na}_{>0.5}</sub>\text{K}_{>0.5}</sub>)\text{NbO}_3$ Thin Film Piezoelectric Energy Harvester. <i>Journal of the American Ceramic Society</i> , 2015, 98, 119-124.	1.9	28
36	Effect of oxygen vacancy and Mn-doping on electrical properties of $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ thin film grown by pulsed laser deposition. <i>Acta Materialia</i> , 2009, 57, 2454-2460.	3.8	26

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37	Structural dependence of the piezoelectric properties of KNbO ₃ nanowires synthesized by the hydrothermal method. <i>Acta Materialia</i> , 2013, 61, 3703-3708.	3.8	26
38	Improvement of dielectric loss of (Ba,Sr)(Ti,Zr)O ₃ ferroelectrics for tunable devices. <i>Journal of the European Ceramic Society</i> , 2007, 27, 2747-2751.	2.8	25
39	Electrical Properties of Amorphous $\text{Bi}_{5}\text{Nb}_{3}\text{O}_{15}$ Thin Film for RF MIM Capacitors. <i>IEEE Electron Device Letters</i> , 2008, 29, 684-687.	2.2	24
40	Multilayer piezoelectric linear ultrasonic motor for camera module. <i>Journal of Electroceramics</i> , 2009, 22, 346-351.	0.8	24
41	XPS/EXAFS study of cycleability improved LiMn ₂ O ₄ thin film cathodes prepared by solution deposition. <i>Electrochemistry Communications</i> , 2009, 11, 695-698.	2.3	24
42	Highly Ordered TiO ₂ Nanotubes on Patterned Substrates: Synthesis-in-Place for Ultrasensitive Chemiresistors. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17824-17831.	1.5	24
43	High-power properties of piezoelectric hard materials sintered at low temperature for multilayer ceramic actuators. <i>Journal of the European Ceramic Society</i> , 2013, 33, 1769-1778.	2.8	23
44	Versatile approaches to tune a nanocolumnar structure for optimized electrical properties of In ₂ O ₃ based gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 894-901.	4.0	23
45	Optimization of a piezoelectric linear motor in terms of the contact parameters. <i>Materials Chemistry and Physics</i> , 2005, 90, 322-326.	2.0	22
46	Structural and Electrical Properties of Bi ₅ Nb ₃ O ₁₅ Thin Films for MIM Capacitors with Low Processing Temperatures. <i>Journal of the Electrochemical Society</i> , 2008, 155, G148.	1.3	22
47	Effect of porosity on the Seebeck coefficient of mesoporous TiO ₂ thin films. <i>Thin Solid Films</i> , 2010, 518, 7196-7198.	0.8	20
48	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.	3.8	20
49	Enhanced piezoelectric properties of vertically aligned single-crystalline NKN nano-rod arrays. <i>Scientific Reports</i> , 2015, 5, 10151.	1.6	20
50	The effect of sintered aid CuO-Bi ₂ O ₃ on microwave dielectric properties of (Pb _{0.45} Ca _{0.55})[(Fe _{0.5} Nb _{0.5}) _{0.9} Sn _{0.1}]O ₃ ceramics. <i>Materials Chemistry and Physics</i> , 2003, 79, 261-265.	2.0	18
51	Microwave Dielectric Properties of CaTiO ₃ -CaAl _{1/2} Nb _{1/2} O ₃ Ceramics Doped with Li ₃ NbO ₄ . <i>Journal of the American Ceramic Society</i> , 2002, 85, 1327-1329.	1.9	18
52	Investigation on the Electric Properties of $\text{Bi}_{1.5}\text{ZnNb}_{1.5}\text{O}_7$ Thin Films Grown on TiN Substrate for MIM Capacitors. <i>IEEE Electron Device Letters</i> , 2008, 29, 334-337.	2.2	18
53	Leakage current mechanism and effect of oxygen vacancy on the leakage current of Bi ₅ Nb ₃ O ₁₅ films. <i>Journal of the European Ceramic Society</i> , 2010, 30, 513-516.	2.8	18
54	Electrical and optical properties of Ga doped zinc oxide thin films deposited at room temperature by continuous composition spread. <i>Applied Surface Science</i> , 2010, 256, 6219-6223.	3.1	18

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55	Electrochemical properties of Li[Li _{0.2} Mn _{0.54} Co _{0.13} Ni _{0.13}]O ₂ cathode thin film by RF sputtering for all-solid-state lithium battery. <i>Journal of Solid State Chemistry</i> , 2012, 196, 288-292.	1.4	17
56	Study on the thermal stability of ordered mesoporous SiO ₂ film for thermal insulating film. <i>Microporous and Mesoporous Materials</i> , 2012, 158, 123-128.	2.2	17
57	Analysis of driving mechanism for tiny piezoelectric linear motor. <i>Journal of Electroceramics</i> , 2006, 17, 609-612.	0.8	15
58	Structural and Electrical Properties of Bi[₆ Ti[₅ TeO[₂₂] Thin Films Grown on Pt/Ti/SiO[₂]/Si Substrate. <i>Journal of the Electrochemical Society</i> , 2008, 155, G87.	1.3	15
59	Influence of substrate temperature on the electrical and optical properties of Ga-doped ZnO thin films fabricated by continuous composition spread. <i>Ceramics International</i> , 2012, 38, S605-S608.	2.3	15
60	Analysis of shaking beam actuator for piezoelectric linear ultrasonic motor. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2004, 51, 1508-1513.	1.7	14
61	Size Effects in the CO Sensing Properties of Nanostructured TiO ₂ Thin Films Fabricated by Colloidal Templating. <i>Electronic Materials Letters</i> , 2010, 6, 31-34.	1.0	14
62	Mechanism of the Sensitivity Enhancement in TiO ₂ Hollow-Hemisphere Gas Sensors. <i>Electronic Materials Letters</i> , 2010, 6, 135-139.	1.0	14
63	Low Temperature Sintering of ZnO-Doped 0.01Pb(Mg _{1/2} W _{1/2})O ₃ ~0.41Pb(Ni _{1/3} Nb _{2/3})O ₃ ~0.35PbTiO ₃ ~0.23PbZrO ₃ Ceramics. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 276-279.		13
64	Engineered domain configuration and piezoelectric energy harvesting in 0.7Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.3PbTiO ₃ single crystals. <i>Metals and Materials International</i> , 2012, 18, 499-503.	1.8	13
65	Microstructural and Microwave Dielectric Properties of Bi ₁₂ GeO ₂₀ and Bi ₂ O ₃ ~Deficient Bi ₁₂ GeO ₂₀ Ceramics. <i>Journal of the American Ceramic Society</i> , 2016, 99, 2361-2367.	1.9	13
66	Effect of Oxygen Pressure on the Electrical Properties of Bi ₅ Nb ₃ O ₁₅ Films Grown by RF Magnetron Sputtering. <i>IEEE Electron Device Letters</i> , 2008, 29, 984-987.	2.2	12
67	Effect of CuO addition on sintering temperature and piezoelectric properties of 0.05Pb(Al _{0.5} Nb _{0.5})O ₃ ~0.95Pb(Zr _{0.52} Ti _{0.48})O ₃ +0.7Åwt.% Nb ₂ O ₅ + 0.5Åwt.% MnO ₂ ceramics. <i>Journal of Electroceramics</i> , 2009, 23, 572-575.	0.8	12
68	Low-Temperature Sintered Pb(Zr,Ti)O ₃ ~Pb(Mn,Sb)O ₃ ~Pb(Zn,Nb)O ₃ for Multilayer Ceramic Actuators. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 071503.	0.8	12
69	Analysis of heat transfer in ordered and disordered mesoporous TiO ₂ films by finite element analysis. <i>Microporous and Mesoporous Materials</i> , 2011, 144, 191-194.	2.2	12
70	Phase evolution and Sn-substitution in LiMn ₂ O ₄ thin films prepared by pulsed laser deposition. <i>Journal of Electroceramics</i> , 2009, 23, 200-205.	0.8	11
71	Pore Structure Control of Ordered Mesoporous Silica Film Using Mixed Surfactants. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-5.	1.5	11
72	Piezoelectric Ceramics for Use in Multilayer Actuators and Energy Harvesters. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3157-3163.	1.9	11

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73	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.	3.2	11
74	Microwave dielectric characteristics of $0.75(\text{Al}_{1/2}\text{Ta}_{1/2})\text{O}_2 \cdot 0.25(\text{Ti}_{1-\text{x}}\text{Sn}_{\text{x}})\text{O}_2$ ceramics. <i>Journal of the European Ceramic Society</i> , 2003, 23, 2507-2510.	2.8	10
75	Piezoelectric and Dielectric Properties of $0.05\text{Pb}(\text{Al}_{0.5}\text{Nb}_{0.5})\text{O}_3 \cdot 0.95\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ Ceramics Doped with Nb_2O_5 and MnO_2 . <i>Japanese Journal of Applied Physics</i> , 2007, 46, 691-694.	0.8	10
76	LiCoO_2 thin film cathodes grown by sol-gel method. <i>Journal of Electroceramics</i> , 2009, 23, 214-218.	0.8	10
77	Giant Electroresistive Ferroelectric Diode on 2DEG. <i>Scientific Reports</i> , 2015, 5, 10548.	1.6	10
78	Dielectric and piezoelectric properties of $\text{Pb}(\text{Y}_{2/3}\text{W}_{1/3})\text{O}_3 - (1-x)\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ ceramics. <i>Ferroelectrics</i> , 1993, 145, 1-7.	0.3	9
79	Application of ordered mesoporous SiO_2 film for low power consumption in phase-change memory. <i>Microporous and Mesoporous Materials</i> , 2012, 163, 321-325.	2.2	9
80	Large in-plane permittivity of $\text{Ba}_{0.6}\text{Sr}_{0.4}\text{TiO}_3$ thin films crystallized using excimer laser annealing at 300°C . <i>Applied Physics Letters</i> , 2012, 101, .	1.5	9
81	Three-dimensional hemisphere-structured $\text{LiSn}_{0.0125}\text{Mn}_{1.975}\text{O}_4$ thin-film cathodes. <i>Electrochemistry Communications</i> , 2014, 43, 36-39.	2.3	9
82	Microwave dielectric properties of $\text{Ca}[(\text{Li}_{1/3}\text{Nb}_{2/3})_{1-x}\text{Ti}_x]\text{O}_3$ ceramics with glass. <i>Journal of Electroceramics</i> , 2006, 17, 399-403.	0.8	8
83	Influence of applied electric field annealing on the microwave properties of $(\text{Ba}_{0.5}\text{Sr}_{0.5})\text{TiO}_3$ thin films. <i>Applied Physics Letters</i> , 2007, 90, 162905.	1.5	8
84	Electrical Properties of $\text{Bi}_{1-x}\text{Nb}_x\text{O}_{15}$ Thin Film Grown on $\text{TiN}/\text{SiO}_2/\text{Si}$ at Room Temperature for Metal-Insulator-Metal Capacitors. <i>IEEE Electron Device Letters</i> , 2009, 30, 614-616.	2.2	8
85	Microwave Dielectric Properties of $(1-x)\text{Ba}_{0.5}\text{Sr}_{0.5}\text{TiO}_3$ / Overlock 10 Tf 50 267 Td ($\text{Al}_{1/2}\text{Ta}_{1/2}$) Ceramics. <i>Journal of the American Ceramic Society</i> , 2001, 84, 2570-2572.	1.9	7
86	A study on the friction and thrust force of the shaft and mobile element in the impact typed piezoelectric ultrasonic linear motor. <i>Journal of Electroceramics</i> , 2006, 17, 499-503.	0.8	7
87	Oxygen Pressure and Mn-Doping Effects on the Structure and Leakage Current of $\text{Bi}_{1-x}\text{Ti}_x\text{TeO}_{22}$ Thin Film. <i>Journal of the Electrochemical Society</i> , 2008, 155, G199.	1.3	7
88	Synthesis and characterization of LiCoO_2 thin films prepared by the sol-gel method. <i>Solid State Sciences</i> , 2011, 13, 1232-1234.	1.5	7
89	Significantly reduced leakage currents in organic thin film transistors with Mn-doped $\text{Bi}_{1-x}\text{Ti}_x\text{O}_7$ gate dielectrics. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 208-210.	1.2	7
90	Dielectric and patch antenna characteristics of new high-Q $(1-x)(\text{Al}_{1/2}\text{Ta}_{1/2})\text{O}_2 \cdot x(\text{Mg}_{1/3}\text{Ta}_{2/3})\text{O}_2$ ($0 \leq x \leq 1$) $\text{Tj}_{1-x}\text{ETQq}_0\text{O}_0$ rgBT / Over	2.0	7

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91	Low-energy ion beam treatment of $\hat{\pm}$ -Al ₂ O ₃ (0001) and improvement of photoluminescence of ZnO thin films. <i>Metals and Materials International</i> , 2004, 10, 351-355.	1.8	6
92	Improved cycleability of LiMn ₂ O ₄ -based thin films by Sn substitution. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	6
93	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.	1.3	6
94	Structural variation of hydrothermally synthesized KNbO ₃ nanowires. <i>Journal of Applied Physics</i> , 2012, 111, 114314.	1.1	6
95	Microwave dielectric properties of B ₂ O ₃ doped Ca[(Li _{1/3} Nb _{2/3}) _{0.9} Ti _{0.1}]O ₃ - $\hat{\Gamma}$ ceramics. <i>Ferroelectrics</i> , 2001, 262, 167-172.	0.3	5
96	Nonvolatile Resistance Switching on Two-Dimensional Electron Gas. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17785-17791.	4.0	5
97	Low temperature firing and microwave dielectric properties of Bi ₄ xGe ₃ O ₁₂ 1.5x ceramics. <i>Ceramics International</i> , 2017, 43, 2801-2806.	2.3	5
98	Compound Linear Ultrasonic Motor Based on Shaking Beam. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 1454-1457.	0.8	4
99	Surface acoustic wave sensors to detect volatile gases by measuring output phase shift. <i>Journal of Electroceramics</i> , 2006, 17, 1013-1017.	0.8	4
100	Constructions and characteristics of a tiny piezoelectric linear motor using radial mode vibrations. <i>Journal of Electroceramics</i> , 2006, 17, 603-608.	0.8	4
101	Effect of Oxygen Vacancies on the Electrical Properties of Bi ₆ Ti ₅ TeO ₂₂ Thin Film. <i>Electrochemical and Solid-State Letters</i> , 2008, 11, G51.	2.2	4
102	Effect of UV-Assisted RTA on the Electrical Properties of (Ba,Sr)TiO ₃ Films for Low Temperature Embedding of Decoupling Capacitor. <i>Journal of the Electrochemical Society</i> , 2009, 156, G230.	1.3	4
103	Structural and electrochemical properties of Nichrome anode thin films for lithium battery. <i>Journal of Electroceramics</i> , 2009, 23, 230-235.	0.8	4
104	Analysis of the Failure Position in the Unimorph Cantilever for Energy Harvesting. <i>Korean Journal of Materials Research</i> , 2007, 17, 121-123.	0.1	4
105	Effects of oxygen pressure on characteristics of 0.05Pb(Al _{0.5} Nb _{0.5})O ₃ ~0.95Pb(Zr _{0.52} Ti _{0.48})O ₃ thin films grown on alumina substrates by pulsed laser deposition. <i>Sensors and Actuators A: Physical</i> , 2013, 200, 68-73.	2.0	3
106	Piezoelectric properties of highly densified 0.01Pb (Mg _{1/2} W _{1/2})O ₃ ~0.41Pb (Ni _{1/3} Nb _{2/3})O ₃ ~0.35PbTiO ₃ ~0.23PbZrO ₃ +0.1 wt% Y ₂ O ₃ +1.5 wt% ZnO thick films on alumina substrate. <i>Ceramics International</i> , 2013, 39, 1327-1333.	2.3	3
107	Flexible Nanocomposite Generator Using <sc>PZT</sc> Nanorods and Ag Nanowires. <i>International Journal of Applied Ceramic Technology</i> , 2016, 13, 480-486.	1.1	3
108	Deposition of SrFeO ₃ ~ $\hat{\Gamma}$ -Dispersed SrMoO ₄ Oxide Thin Films on Si (100) Surface for Spintronic Applications. <i>Integrated Ferroelectrics</i> , 2004, 67, 25-30.	0.3	2

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109	Characteristics of PMW-PNN-PT-PZ thick films on various bottom electrodes. Journal of Electroceramics, 2006, 17, 495-498.	0.8	2
110	Dynamic properties of an omni-directional piezoelectric motor for precision position control. Ultrasonics, 2009, 49, 594-598.	2.1	2
111	Investigation on the valence state of Te ions in the Bi ₆ Ti ₅ TeO ₂₂ thin film using X-ray photoelectron spectroscopy. Journal of the European Ceramic Society, 2010, 30, 517-520.	2.8	2
112	Effects of Electrode Configurations on Internal Stress Distribution of Multilayer Actuators. Materials Research Society Symposia Proceedings, 2003, 785, 691.	0.1	1
113	The effect of ammonium sulfide treatment on interfacial properties in ZnS/HgCdTe heterostructure. Journal of Electroceramics, 2006, 17, 1041-1045.	0.8	1
114	Analysis of Inhomogeneous Stress Distribution in the Piezoelectric Ceramics of Unimorph Cantilever for Energy Harvesting. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	1
115	Control of Tiny Ultrasonic Linear Actuator Using Magneto-resistive Sensor for Camera Module. Electric Power Components and Systems, 2009, 38, 22-32.	1.0	1
116	Structural and Electrical Properties of Mn-Doped $\text{Bi}_{1-x}\text{Ti}_x\text{O}_{12}$ Thin Film Grown on $\text{TiN}/\text{SiO}_2/\text{Si}$ Substrate for RF MIM Capacitors. IEEE Transactions on Electron Devices, 2009, 56, 1631-1636.	1.6	1
117	Phenomenological Analysis of Piezoelectric Properties in $0.88\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3 \sim 0.12\text{PbTiO}_3$ Single Crystals with an Engineering Domain Configuration. Journal of the Korean Ceramic Society, 2008, 45, 139-141.	1.1	1
118	Control of piezoelectric energy harvesting characteristics via the materials properties or geometry modification. , 2008, , .		0
119	Improved Dielectric Properties of Low-Temperature-Sintered (Ba,Sr)TiO ₃ -Based Ceramics by Ge Substitution. Japanese Journal of Applied Physics, 2010, 49, 071505.	0.8	0
120	DC Bias Effects on Piezoelectric Constants of Rhombohedral $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$ Single Crystals. Japanese Journal of Applied Physics, 2010, 49, 111502.	0.8	0
121	Piezoelectric Materials: All-Solution-Processed Flexible Thin Film Piezoelectric Nanogenerator (Adv.) Tj ETQq1 1 0,784314 JgBT /Ov 11.1	11.1	0
122	Fabrication and analysis of butterfly-type piezoelectric actuators. Journal of the Korean Physical Society, 2012, 61, 882-886.	0.3	0
123	Role of Alumina Buffer Layer on the Dielectric and Piezoelectric Properties of PZT System Thick Films. Journal of the American Ceramic Society, 2013, 96, 491-495.	1.9	0
124	Effects of vanadium substitution on the electrical performance of amorphous SrBi ₂ Ta ₂ O ₉ thin-film capacitors. Scripta Materialia, 2014, 77, 45-48.	2.6	0
125	Chemically Deposited Sb ₂ Se ₃ Anode for Thin Film Lithium Batteries. Communications in Computer and Information Science, 2012, , 221-228.	0.4	0
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