

Jungho Ryu

List of Publications by Year in descending order

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papers

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61984

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all docs

153
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153
times ranked

7068
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of aspect ratio of piezoelectric constituents on the energy harvesting performance of magneto-mechano-electric generators. <i>Energy</i> , 2022, 239, 122078.	8.8	15
2	Modulation of magnetoelectric coupling through systematically engineered spin canting in nickel-zinc ferrite. <i>Journal of the American Ceramic Society</i> , 2022, 105, 2655-2662.	3.8	7
3	Exceeding 50W RMS Output Magneto-Mechano-Electric Generator by Hybridizing Piezoelectric and Electromagnetic Induction Effects. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	22
4	Boosting the performance of magneto-mechano-electric energy generator using magnetic lens. <i>Sensors and Actuators A: Physical</i> , 2022, 338, 113451.	4.1	5
5	Study of magnetoelectric coupling in magnetoelectric laminates fabricated using 15-mode PMN-PZT single crystals. <i>Journal of the Korean Ceramic Society</i> , 2022, 59, 322-328.	2.3	4
6	Effect of cooling rates on mechanical properties of alumina-toughened zirconia composites. <i>Ceramics International</i> , 2022, 48, 21048-21053.	4.8	8
7	First principle understanding of antiferroelectric ordering in La-doped silver niobate. <i>Physica B: Condensed Matter</i> , 2022, 640, 414040.	2.7	2
8	Stable output performance generated from a magneto-mechano-electric generator having self-resonance tunability with a movable proof mass. <i>Nano Energy</i> , 2022, 101, 107607.	16.0	13
9	Boosting the lifespan of magneto-mechano-electric generator via vertical installation for sustainable powering of Internet of Things sensor. <i>Nano Energy</i> , 2022, 101, 107567.	16.0	10
10	Enhanced pyroelectric response from domain-engineered lead-free (K _{0.5} Bi _{0.5} TiO ₃ -BaTiO ₃)-Na _{0.5} Bi _{0.5} TiO ₃ ferroelectric ceramics. <i>Journal of the European Ceramic Society</i> , 2021, 41, 2524-2532.	5.7	18
11	Harvesting stray magnetic field for powering wireless sensors. , 2021, , 249-278.		1
12	Lead-based and lead-free ferroelectric ceramic capacitors for electrical energy storage. , 2021, , 279-356.		9
13	Increased Energy-Storage Density and Superior Electric Field and Thermally Stable Energy Efficiency of Aerosol-Deposited Relaxor (Pb _{0.89} La _{0.11})(Zr _{0.70} Ti _{0.30})O ₃ Films. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 591-602.	3.1	16
14	Multiscale surface modified magneto-mechano-triboelectric nanogenerator enabled by eco-friendly NaCl imprinting stamp for self-powered IoT applications. <i>Nanoscale</i> , 2021, 13, 8418-8424.	5.6	21
15	Redox-active electrolyte-based MnWO ₄ //AC asymmetric supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 8054-8063.	2.2	8
16	Thermal treatment effect on the magnetoelectric properties of (Ni _{0.5} Zn _{0.5})Fe ₂ O ₄ /Pt/Pb(Zr _{0.3} Ti _{0.7})O ₃ heterostructured thin films. <i>Ceramics International</i> , 2021, 47, 6371-6375.	4.8	5
17	Enhancement of Energy-Harvesting Performance of Magneto-Mechano-Electric Generators through Optimization of the Interfacial Layer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19983-19991.	8.0	18
18	Effect of substrate morphology on the deposition behavior of γ -Al ₂ O ₃ films by room temperature granule spray in vacuum process. <i>Ceramics International</i> , 2021, 47, 16708-16715.	4.8	1

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19	Enhanced Energy Storage Performance of Polymer/Ceramic/Metal Composites by Increase of Thermal Conductivity and Coulomb-Blockade Effect. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27343-27352.	8.0	26
20	Room-temperature multiferroicity in NiFe_2O_4 and its magnetoelectric coupling intensified through defect engineering. <i>Journal of the American Ceramic Society</i> , 2021, 104, 6384-6392.	3.8	11
21	High performance of polycrystalline piezoelectric ceramic-based magneto-mechano-electric energy generators. <i>Journal of Asian Ceramic Societies</i> , 2021, 9, 1290-1297.	2.3	8
22	Photocatalytic activities of hydrothermal synthesized copper zinc tin sulfide nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 22803-22812.	2.2	3
23	Enhanced magnetoelectric coupling in stretch-induced shear mode magnetoelectric composites. <i>Journal of the Korean Ceramic Society</i> , 2021, 58, 700-705.	2.3	2
24	Induced slim ferroelectric hysteresis loops and enhanced energy-storage properties of Mn-doped $(\text{Pb}_{0.93}\text{La}_{0.07})(\text{Zr}_{0.82}\text{Ti}_{0.18})\text{O}_3$ anti-ferroelectric thick films by aerosol deposition. <i>Ceramics International</i> , 2021, 47, 31590-31596.	4.8	12
25	Artificially induced normal ferroelectric behaviour in aerosol deposited relaxor $65\text{PMN} \sim 35\text{PT}$ thick films by interface engineering. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3403-3411.	5.5	11
26	Enhancement of pyroelectricity in Mn-doped $(011) 71\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3 \sim 6\text{PbZrO}_3 \sim 23\text{PbTiO}_3$ single crystals. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	8
27	Ultra-magnetic field sensitive magnetoelectric composite with sub-pT detection limit at low frequency enabled by flash photon annealing. <i>Nano Energy</i> , 2021, 90, 106598.	16.0	13
28	Photonic Drying/Annealing: Effect of Oven/Visible Light/Infrared Light/Flash-Lamp Drying/Annealing on WO_3 for Electrochromic Smart Windows. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14559-14568.	6.7	7
29	Recent Reports of Magneto-Mechano-Electric Conversion Composites. <i>Ceramist</i> , 2021, 24, 248-259.	0.1	0
30	Recent Progress in Devices Based on Magnetoelectric Composite Thin Films. <i>Sensors</i> , 2021, 21, 8012.	3.8	18
31	Enhancement of energy storage and thermal stability of relaxor $\text{Pb}_{0.92}\text{La}_{0.08}\text{Zr}_{0.52}\text{Ti}_{0.48}\text{O}_3\text{-Bi}(\text{Zn}_{0.66}\text{Nb}_{0.33})\text{O}_3$ thick films through aerosol deposition. <i>Journal of the European Ceramic Society</i> , 2020, 40, 63-70.	5.7	21
32	Evidence of monoclinic phase and its variation with temperature at morphotropic phase boundary of PLZT ceramics. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152613.	5.5	18
33	Enhanced Mechanical Quality Factor of 32 Mode Mn Doped $71\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3 \sim 29\text{PbZrTiO}_3$ Piezoelectric Single Crystals. <i>Electronic Materials Letters</i> , 2020, 16, 156-163.	2.2	15
34	Piezoelectric Thick Film Deposition via Powder/Granule Spray in Vacuum: A Review. <i>Actuators</i> , 2020, 9, 59.	2.3	19
35	Significant power enhancement of magneto-mechano-electric generators by magnetic flux concentration. <i>Energy and Environmental Science</i> , 2020, 13, 4238-4248.	30.8	48
36	Investigation of the Effects of Reduced Sintering Temperature on Dielectric, Ferroelectric and Energy Storage Properties of Microwave-Sintered PLZT 8/60/40 Ceramics. <i>Energies</i> , 2020, 13, 6457.	3.1	12

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37	Surface hardening treatment of Fe ₄₀ (CoCrMnNi) ₆₀ medium entropy alloy via aerosol deposition technique: A new approach. <i>Materials Letters</i> , 2020, 269, 127633.	2.6	2
38	Optogenetic brain neuromodulation by stray magnetic field via flash-enhanced magneto-mechano-triboelectric nanogenerator. <i>Nano Energy</i> , 2020, 75, 104951.	16.0	54
39	Large Power Amplification in Magneto-Mechano-Electric Harvesters through Distributed Forcing. <i>Advanced Energy Materials</i> , 2020, 10, 1903689.	19.5	50
40	A Magneto-Mechano-Electric Generator Based on Lead-Free Single-Crystal Fibers for Robust Scavenging of Ambient Magnetic Energy. <i>Electronic Materials Letters</i> , 2020, 16, 369-375.	2.2	18
41	Enhancement of magnetoelectric (ME) coupling by using textured magnetostrictive alloy in 2-2 type ME laminate. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155124.	5.5	18
42	Composition dependent ferro-piezo hysteresis loops and energy density properties of mechanically activated (Pb _{1-x} La _x)(Zr _{0.60} Ti _{0.40})O ₃ ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	24
43	Sensing of ultra-low magnetic field by magnetoelectric (ME) composites. <i>Ceramist</i> , 2020, 23, 38-53.	0.1	2
44	Face-shear 36-mode magnetoelectric composites with piezoelectric single crystal and Metglas laminate. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	23
45	A high output magneto-mechano-triboelectric generator enabled by accelerated water-soluble nano-bullets for powering a wireless indoor positioning system. <i>Energy and Environmental Science</i> , 2019, 12, 666-674.	30.8	89
46	Pyroelectric Energy Conversion and Its Applications—Flexible Energy Harvesters and Sensors. <i>Sensors</i> , 2019, 19, 2170.	3.8	86
47	A Comparison Study of Fatigue Behavior of Hard and Soft Piezoelectric Single Crystal Macro-Fiber Composites for Vibration Energy Harvesting. <i>Sensors</i> , 2019, 19, 2196.	3.8	35
48	Prospects and challenges of the electrocaloric phenomenon in ferroelectric ceramics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6836-6859.	5.5	58
49	High Energy Storage Properties and Electrical Field Stability of Energy Efficiency of (Pb _{0.89} La _{0.11})(Zr _{0.70} Ti _{0.30}) _{0.9725} O ₃ Relaxor Ferroelectric Ceramics. <i>Electronic Materials Letters</i> , 2019, 15, 323-330.	2.2	43
50	Effect of Thickness Ratio in Piezoelectric/Elastic Cantilever Structure on the Piezoelectric Energy Harvesting Performance. <i>Electronic Materials Letters</i> , 2019, 15, 61-69.	2.2	12
51	A Review on Piezoelectric Energy Harvesting: Materials, Methods, and Circuits. <i>Energy Harvesting and Systems</i> , 2019, 4, 3-39.	2.7	288
52	Improvement of Energy Storage Characteristics of (Ba _{0.7} Ca _{0.3})TiO ₃ Thick Films by the Increase of Electric Breakdown Strength from Nano-Sized Grains. <i>Korean Journal of Materials Research</i> , 2019, 29, 73-78.	0.2	7
53	Fabrication of High Density BZN-PVDF Composite Film by Aerosol Deposition for High Energy Storage Properties. <i>Korean Journal of Materials Research</i> , 2019, 29, 175-182.	0.2	5
54	Linear and Nonlinear Dielectric Ceramics for High-Power Energy Storage Capacitor Applications. <i>Journal of the Korean Ceramic Society</i> , 2019, 56, 1-23.	2.3	70

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55	Dielectric, Ferroelectric, Energy Storage, and Pyroelectric Properties of Mn-Doped (Pb _{0.93} La _{0.07})(Zr _{0.82} Ti _{0.18})O ₃ Anti-Ferroelectric Ceramics. <i>Journal of the Korean Ceramic Society</i> , 2019, 56, 412-420.	2.3	19
56	Dual-stimulus magnetoelectric energy harvesting. <i>MRS Bulletin</i> , 2018, 43, 199-205.	3.5	47
57	Exceeding milli-watt powering magneto-mechano-electric generator for standalone-powered electronics. <i>Energy and Environmental Science</i> , 2018, 11, 818-829.	30.8	110
58	Laser Irradiation of Metal Oxide Films and Nanostructures: Applications and Advances. <i>Advanced Materials</i> , 2018, 30, e1705148.	21.0	170
59	Piezoelectric Performance of Cubic-Phase BaTiO ₃ Nanoparticles Vertically Aligned via Electric Field. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700133.	5.3	13
60	Enhanced Self-Biased Magnetoelectric Coupling in Laser-Annealed Pb(Zr,Ti)O ₃ Thick Film Deposited on Ni Foil. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11018-11025.	8.0	34
61	A thickness-mode piezoelectric micromachined ultrasound transducer annular array using a PMN-PZT single crystal. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 075015.	2.6	8
62	High Power Magnetic Field Energy Harvesting through Amplified Magneto-Mechanical Vibration. <i>Advanced Energy Materials</i> , 2018, 8, 1703313.	19.5	79
63	Room-Temperature Solid-State Grown WO ₃ Film on Plastic Substrate for Extremely Sensitive Flexible NO ₂ Gas Sensors. <i>Advanced Materials Interfaces</i> , 2018, 5, 1700811.	3.7	20
64	Effect of elastic modulus of cantilever beam on the performance of unimorph type piezoelectric energy harvester. <i>APL Materials</i> , 2018, 6, .	5.1	18
65	Nano-size grains and high density of 65PMN-35PT thick film for high energy storage capacitor. <i>Ceramics International</i> , 2018, 44, 20111-20114.	4.8	27
66	Enhancement of Magnetoelectric Conversion Achieved by Optimization of Interfacial Adhesion Layer in Laminate Composites. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32323-32330.	8.0	37
67	Highly tunable magnetoelectric response in dimensional gradient laminate composites of Fe-Ga alloy and Pb(Mg _{1/3} Nb _{2/3})O ₃ -Pb(Zr,Ti)O ₃ single crystal. <i>Journal of Alloys and Compounds</i> , 2018, 765, 764-770.	5.5	23
68	Boosting the Recoverable Energy Density of Lead-Free Ferroelectric Ceramic Thick Films through Artificially Induced Quasi-Relaxor Behavior. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20720-20727.	8.0	64
69	Lead-free piezoelectric materials and composites for high power density energy harvesting. <i>Journal of Materials Research</i> , 2018, 33, 2235-2263.	2.6	55
70	Energy storage characteristics of {001} oriented Pb(Zr _{0.52} Ti _{0.48})O ₃ thin film grown by chemical solution deposition. <i>Thin Solid Films</i> , 2018, 660, 434-438.	1.8	15
71	High-Performance Dielectric Ceramic Films for Energy Storage Capacitors: Progress and Outlook. <i>Advanced Functional Materials</i> , 2018, 28, 1803665.	14.9	613
72	Broadband dual phase energy harvester: Vibration and magnetic field. <i>Applied Energy</i> , 2018, 225, 1132-1142.	10.1	71

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73	Unleashing the Full Potential of Magnetolectric Coupling in Film Heterostructures. <i>Advanced Materials</i> , 2017, 29, 1605688.	21.0	50
74	Strong and anisotropic magnetolectricity in composites of magnetostrictive Ni and solid-state grown lead-free piezoelectric BZT/BCT single crystals. <i>Journal of Asian Ceramic Societies</i> , 2017, 5, 36-41.	2.3	34
75	Comprehensive biocompatibility of nontoxic and high-output flexible energy harvester using lead-free piezoceramic thin film. <i>APL Materials</i> , 2017, 5, .	5.1	121
76	A pT/ÅHz sensitivity ac magnetic field sensor based on magnetolectric composites using low-loss piezoelectric single crystals. <i>Sensors and Actuators A: Physical</i> , 2017, 260, 206-211.	4.1	52
77	31-mode piezoelectric micromachined ultrasonic transducer with PZT thick film by granule spraying in vacuum process. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	25
78	Growth of self-textured barium hexaferrite ceramics by normal sintering process and their anisotropic magnetic properties. <i>Journal of the European Ceramic Society</i> , 2017, 37, 4701-4706.	5.7	23
79	Effect of gas flow rates and nozzle throat width on deposition of Al_2O_3 -alumina films of granule spray in vacuum. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2667-2672.	5.7	16
80	A flexible, high-performance magnetolectric heterostructure of (001) oriented $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ film grown on Ni foil. <i>APL Materials</i> , 2017, 5, 096111.	5.1	29
81	Magnetic energy harvesting with magnetolectrics: an emerging technology for self-powered autonomous systems. <i>Sustainable Energy and Fuels</i> , 2017, 1, 2039-2052.	4.9	115
82	Review of piezoelectric micromachined ultrasonic transducers and their applications. <i>Journal of Micromechanics and Microengineering</i> , 2017, 27, 113001.	2.6	186
83	Energy storage properties of Dy ³⁺ doped Sr _{0.5} Ba _{0.5} Nb ₂ O ₆ thick film with nano-size grains. <i>Metals and Materials International</i> , 2017, 23, 1045-1049.	3.4	7
84	Next Generation Ceramic Substrate Fabricated at Room Temperature. <i>Scientific Reports</i> , 2017, 7, 6637.	3.3	12
85	Flexible highly-effective energy harvester via crystallographic and computational control of nanointerfacial morphotropic piezoelectric thin film. <i>Nano Research</i> , 2017, 10, 437-455.	10.4	86
86	Theoretical prediction of resonant and off-resonant magnetolectric coupling in layered composites with anisotropic piezoelectric properties. <i>Composite Structures</i> , 2017, 159, 498-504.	5.8	16
87	Status and Perspectives of Multiferroic Magnetolectric Composite Materials and Applications. <i>Actuators</i> , 2016, 5, 9.	2.3	372
88	Dependence of the ferroelectric properties of modified spin-coating-derived PZT thick films on the crystalline orientation. <i>Journal of the Korean Physical Society</i> , 2016, 68, 1390-1394.	0.7	8
89	Self-Powered Wireless Sensor Node Enabled by an Aerosol-Deposited PZT Flexible Energy Harvester. <i>Advanced Energy Materials</i> , 2016, 6, 1600237.	19.5	179
90	Tailoring the Magnetolectric Properties of $\text{Pb}(\text{Zr,Ti})\text{O}_3$ Film Deposited on Amorphous Metglas Foil by Laser Annealing. <i>Journal of the American Ceramic Society</i> , 2016, 99, 2680-2687.	3.8	26

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91	Enhanced magnetic energy harvesting properties of magneto-mechano-electric generator by tailored geometry. Applied Physics Letters, 2016, 109, .	3.3	40
92	Dielectric properties of $\text{Pb}(\text{In}^{1/2}\text{Nb}^{1/2})\text{O}_3$ $\text{â€“Pb}(\text{Mg}^{1/3}\text{Nb}^{2/3})\text{O}_3$ â€“PbTiO_3 film by aerosol deposition for energy storage applications. Ceramics International, 2016, 42, 1740-1745.	4.8	22
93	Lowâ€Loss Piezoelectric Singleâ€Crystal Fibers for Enhanced Magnetic Energy Harvesting with Magnetolectric Composite. Advanced Energy Materials, 2016, 6, 1601244.	19.5	100
94	Selfâ€Powered Devices: Selfâ€Powered Wireless Sensor Node Enabled by an Aerosolâ€Deposited PZT Flexible Energy Harvester (Adv. Energy Mater. 13/2016). Advanced Energy Materials, 2016, 6, .	19.5	4
95	Applications of Multiferroic Magnetolectric Composites. Series in Materials Science and Engineering, 2016, , 215-254.	0.1	3
96	Enhanced off-resonance magnetolectric response in laser annealed PZT thick film grown on magnetostrictive amorphous metal substrate. Applied Physics Letters, 2015, 107, .	3.3	34
97	Self-powered deep brain stimulation via a flexible PIMNT energy harvester. Energy and Environmental Science, 2015, 8, 2677-2684.	30.8	207
98	Energy storage properties of nano-grained antiferroelectric $(\text{Pb},\text{La})(\text{Zr},\text{Ti})\text{O}_{3\&\&}$ films prepared by aerosol-deposition method. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 1477-1482.	2.9	15
99	Ubiquitous magneto-mechano-electric generator. Energy and Environmental Science, 2015, 8, 2402-2408.	30.8	177
100	A Hyperâ€Stretchable Elasticâ€Composite Energy Harvester. Advanced Materials, 2015, 27, 2866-2875.	21.0	350
101	Microstructure and electrochemical properties of iron oxide film fabricated by aerosol deposition method for lithium ion battery. Journal of Power Sources, 2015, 275, 336-340.	7.8	17
102	Magneto-Mechano-Electric (MME) Energy Harvesting Properties of Piezoelectric Macro-fiber Composite/Ni Magnetolectric Generator. Energy Harvesting and Systems, 2014, 1, 3-11.	2.7	36
103	Stress Modulation and Ferroelectric Properties of Nanograined PbTiO_3 Thick Films on the Different Substrates Fabricated by Aerosol Deposition. Journal of the American Ceramic Society, 2014, 97, 3872-3876.	3.8	8
104	Reliability of Ferroelectric Multilayer PZT Thick Films Fabricated by Aerosol Deposition. Ferroelectrics, 2014, 470, 183-193.	0.6	6
105	Highlyâ€Efficient, Flexible Piezoelectric PZT Thin Film Nanogenerator on Plastic Substrates. Advanced Materials, 2014, 26, 2514-2520.	21.0	690
106	Anisotropic self-biased dual-phase low frequency magneto-mechano-electric energy harvesters with giant power densities. APL Materials, 2014, 2, .	5.1	59
107	Upshift of Phase Transition Temperature in Nanostructured PbTiO_3 Thick Film for High Temperature Applications. ACS Applied Materials & Interfaces, 2014, 6, 11980-11987.	8.0	38
108	Effect of annealing on properties of lithium aluminum germanium phosphate electrolyte thick films prepared by aerosol deposition. Metals and Materials International, 2014, 20, 399-404.	3.4	19

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109	Multiple broadband magnetoelectric response in thickness-controlled Ni/[011] Pb(Mg _{1/3} Nb _{2/3})O ₃ -Pb(Zr,Ti)O ₃ single crystal/Ni laminates. Applied Physics Letters, 2013, 103, .	3.3	58
110	Colossal magnetoelectric response of PZT thick films on Ni substrates with a conductive LaNiO ₃ electrode. Journal Physics D: Applied Physics, 2013, 46, 092002.	2.8	24
111	Magnetoelectric properties and magnetomechanical energy harvesting from stray vibration and electromagnetic wave by Pb(Mg _{1/3} Nb _{2/3})O ₃ -Pb(Zr,Ti)O ₃ single crystal/Ni cantilever. Journal of Applied Physics, 2013, 113, .	2.5	53
112	Enhancement of resonant and non-resonant magnetoelectric coupling in multiferroic laminates with anisotropic piezoelectric properties. Applied Physics Letters, 2013, 102, .	3.3	39
113	Effect of fluorine addition on the biological performance of hydroxyapatite coatings on Ti by aerosol deposition. Journal of Biomaterials Applications, 2013, 27, 587-594.	2.4	27
114	Fabrication and Characterization of Hybrid NTC Thermistor Films with Conducting Oxide Particles by an Aerosol-Deposition Process. Journal of the Korean Ceramic Society, 2013, 50, 63-69.	2.3	0
115	LaNiO ₃ conducting particle dispersed NiMn ₂ O ₄ nanocomposite NTC thermistor thick films by aerosol deposition. Journal of Alloys and Compounds, 2012, 534, 70-73.	5.5	31
116	Current Status of Magnetoelectric Composite Thin/Thick Films. Advances in Condensed Matter Physics, 2012, 2012, 1-15.	1.1	68
117	Structured Magnetoelectric Composites by Aerosol Deposition. Journal of the American Ceramic Society, 2012, 95, 855-858.	3.8	5
118	High Piezoelectric Properties of KNN-Based Thick Films with Abnormal Grain Growth. Journal of the American Ceramic Society, 2012, 95, 1489-1492.	3.8	15
119	Effect of electrode and substrate on the fatigue behavior of PZT thick films fabricated by aerosol deposition. Ceramics International, 2012, 38, S241-S244.	4.8	16
120	Composition Design Rule for High Piezoelectric Voltage Coefficient in (K _{0.5} Na _{0.5})NbO ₃ -Based Pb-Free Ceramics. Japanese Journal of Applied Physics, 2012, 51, 09MD10.	1.5	4
121	Stress-controlled Pb(Zr _{0.52} Ti _{0.48})O ₃ thick films by thermal expansion mismatch between substrate and Pb(Zr _{0.52} Ti _{0.48})O ₃ film. Journal of Applied Physics, 2011, 110, .	2.5	70
122	In-plane impedance spectroscopy in aerosol deposited NiMn ₂ O ₄ negative temperature coefficient thermistor films. Journal of Applied Physics, 2011, 109, 113722.	2.5	48
123	Effect of Film Thickness on the Piezoelectric Properties of Lead Zirconate Titanate Thick Films Fabricated by Aerosol Deposition. Journal of the American Ceramic Society, 2011, 94, 1509-1513.	3.8	36
124	Enhanced bioactivity and biocompatibility of nanostructured hydroxyapatite coating by hydrothermal annealing. Thin Solid Films, 2011, 519, 8085-8090.	1.8	22
125	Experimental investigation on the effect of top electrode diameter in PZT thick films. Materials Letters, 2011, 65, 2193-2196.	2.6	16
126	Effect of tetragonal perovskite phase addition on the electrical properties of KNN thick films fabricated by aerosol deposition. Materials Letters, 2011, 65, 2762-2764.	2.6	17

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127	Multiferroic BiFeO ₃ thick film fabrication by aerosol deposition. Metals and Materials International, 2010, 16, 639-642.	3.4	15
128	Porous Photocatalytic TiO ₂ Thin Films by Aerosol Deposition. Journal of the American Ceramic Society, 2010, 93, 55-58.	3.8	34
129	Giant Magnetoelectric Coefficient in 3 rd Nanocomposite Thick Films. Japanese Journal of Applied Physics, 2009, 48, 080204.	1.5	34
130	Enhanced domain contribution to ferroelectric properties in freestanding thick films. Journal of Applied Physics, 2009, 106, .	2.5	32
131	Preparation and characterization of piezoelectric ceramic-polymer composite thick films by aerosol deposition for sensor application. Sensors and Actuators A: Physical, 2009, 153, 89-95.	4.1	57
132	Flexible Dielectric Bi _{1.5} Zn _{1.0} Nb _{1.5} O ₇ Thin Films on a Cu-Polyimide Foil. Journal of the American Ceramic Society, 2009, 92, 524-527.	3.8	40
133	Highly Dense and Nanograined NiMn ₂ O ₄ Negative Temperature coefficient Thermistor Thick Films Fabricated by Aerosol Deposition. Journal of the American Ceramic Society, 2009, 92, 3084-3087.	3.8	60
134	Photocatalytic nanocomposite thin films of TiO ₂ -calcium phosphate by aerosol-deposition. Catalysis Communications, 2009, 10, 596-599.	3.3	31
135	Piezoelectric and Magnetoelectric Thick Films for Fabricating Power Sources in Wireless Sensor Nodes. Sensors, 2009, 9, 6362-6384.	3.8	83
136	Photocatalytic TiO ₂ thin films by aerosol-deposition: From micron-sized particles to nano-grained thin film at room temperature. Applied Catalysis B: Environmental, 2008, 83, 1-7.	20.2	82
137	High Dielectric Properties of Bi _{1.5} Zn _{1.0} Nb _{1.5} O ₇ Thin Films Fabricated at Room Temperature. Journal of the American Ceramic Society, 2008, 91, 3399-3401.	3.8	14
138	Effects of Zr/Ti ratio and post-annealing temperature on the electrical properties of lead zirconate titanate (PZT) thick films fabricated by aerosol deposition. Journal of Materials Research, 2008, 23, 226-235.	2.6	22
139	Fabrication of Lead Zirconate Titanate Thick Films Using a Powder Containing Organic Residue. Japanese Journal of Applied Physics, 2008, 47, 5545.	1.5	20
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