

Kwangsoo No

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93
papers

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h-index

32
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98
ext. papers

1,408
ext. citations

3.6
avg, IF

4.04
L-index

#	Paper	IF	Citations
93	Vertical ZnO nanowires/graphene hybrids for transparent and flexible field emission. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3432-3437		216
92	Effect of Ag nanoparticle concentration on the electrical and ferroelectric properties of Ag/P(VDF-TrFE) composite films. <i>Scientific Reports</i> , 2015 , 5, 13209	4.9	57
91	Intrinsically stretchable multi-functional fiber with energy harvesting and strain sensing capability. <i>Nano Energy</i> , 2019 , 55, 348-353	17.1	57
90	Effect of cantilever-sample interaction on piezoelectric force microscopy. <i>Applied Physics Letters</i> , 2002 , 80, 1453-1455	3.4	53
89	Injection charge assisted polarization reversal in ferroelectric thin films. <i>Applied Physics Letters</i> , 2007 , 90, 072910	3.4	49
88	Three-dimensional ferroelectric domain imaging of epitaxial BiFeO ₃ thin films using angle-resolved piezoresponse force microscopy. <i>Applied Physics Letters</i> , 2010 , 97, 112907	3.4	47
87	Nanoscale domain growth dynamics of ferroelectric poly(vinylidene fluoride-co-trifluoroethylene) thin films. <i>Applied Physics Letters</i> , 2010 , 96, 012908	3.4	45
86	Fabrication of PZT Thick Films on Silicon Substrates for Piezoelectric Actuator 2000 , 4, 195-199		42
85	Preparation of a - SiN _x Thin Film with Low Hydrogen Content by Inductively Coupled Plasma Enhanced Chemical Vapor Deposition. <i>Journal of the Electrochemical Society</i> , 1998 , 145, 652-658	3.9	39
84	Nanoscale piezoresponse studies of ferroelectric domains in epitaxial BiFeO ₃ nanostructures. <i>Journal of Applied Physics</i> , 2009 , 105, 061619	2.5	37
83	Vertically aligned P(VDF-TrFE) core-shell structures on flexible pillar arrays. <i>Scientific Reports</i> , 2015 , 5, 10728	4.9	36
82	A spring-type piezoelectric energy harvester. <i>RSC Advances</i> , 2013 , 3, 3194	3.7	28
81	Polymer piezoelectric energy harvesters for low wind speed. <i>Applied Physics Letters</i> , 2014 , 104, 012902	3.4	27
80	The piezoresponse force microscopy investigation of self-polarization alignment in poly(vinylidene fluoride-co-trifluoroethylene) ultrathin films. <i>Soft Matter</i> , 2012 , 8, 1064-1069	3.6	26
79	Effect of local surface potential distribution on its relaxation in polycrystalline ferroelectric films. <i>Journal of Applied Physics</i> , 2010 , 107, 054103	2.5	24
78	Screen charge transfer by grounded tip on ferroelectric surfaces. <i>Physica Status Solidi - Rapid Research Letters</i> , 2008 , 2, 74-76	2.5	24
77	Structure and electrical properties of Pb(Zr _x Ti _{1-x})O ₃ deposited on textured Pt thin films. <i>Journal of Applied Physics</i> , 2001 , 90, 1962-1967	2.5	23

76	Synthesis and Application of Ferroelectric Poly(Vinylidene Fluoride-co-Trifluoroethylene) Films using Electrophoretic Deposition. <i>Scientific Reports</i> , 2016 , 6, 36176	4.9	19
75	Piezoresponse force microscopy studies of PbTiO ₃ thin films grown via layer-by-layer gas phase reaction. <i>Applied Physics Letters</i> , 2009 , 94, 092901	3.4	18
74	Facile Preparation of PbTiO ₃ Nanodot Arrays: Combining Nano-hybridization with Vapor Phase Reaction Sputtering. <i>Advanced Functional Materials</i> , 2011 , 21, 4277-4284	15.6	16
73	Voltage control of magnetization easy-axes: a potential candidate for spin switching in future ultrahigh-density nonvolatile magnetic random access memory. <i>IEEE Transactions on Magnetics</i> , 2004 , 40, 2637-2639	2	16
72	Selective current collecting design for spring-type energy harvesters. <i>RSC Advances</i> , 2015 , 5, 10662-10667	9.7	15
71	Visualization of three dimensional domain structures in ferroelectric PbTiO ₃ nanotubes. <i>Applied Physics Letters</i> , 2013 , 103, 022902	3.4	15
70	Effect of Ta content on the phase transition and piezoelectric properties of lead-free (K _{0.48} Na _{0.48} Li _{0.04})(Nb _{0.995-x} Mn _{0.005} Tax)O ₃ thin film. <i>Journal of Applied Physics</i> , 2012 , 111, 024110	2.5	14
69	Measurement of the linear electro-optic coefficients of sol-gel derived strontium barium niobate thin films using a two-beam polarization interferometer. <i>Applied Physics Letters</i> , 2000 , 76, 2671-2673	3.4	14
68	Visualization and manipulation of meta-stable polarization variants in multiferroic materials. <i>AIP Advances</i> , 2013 , 3, 042114	1.5	13
67	Effect of deposition temperature of TiO ₂ on the piezoelectric property of PbTiO ₃ film grown by PbO gas phase reaction sputtering. <i>Journal of Applied Physics</i> , 2010 , 107, 104112	2.5	13
66	Ferroelectric nanodot formation from spin-coated poly(vinylidene fluoride-co-trifluoroethylene) films and their application to organic solar cells. <i>Journal of Applied Polymer Science</i> , 2015 , 132,	2.9	12
65	Composition, oxidation, and optical properties of fluorinated silicon nitride film by inductively coupled plasma enhanced chemical vapor deposition. <i>Journal of Materials Research</i> , 1999 , 14, 995-1001	2.5	12
64	Effects of membrane thickness on the performance of ionic polymer-metal composite actuators.. <i>RSC Advances</i> , 2019 , 9, 14621-14626	3.7	11
63	Fabrication of Highly Ordered and Well-Aligned PbTiO ₃ /TiN Core-Shell Nanotube Arrays. <i>Small</i> , 2015 , 11, 3750-4	11	11
62	Nanoscale ferroelectric switching behavior at charged domain boundaries studied by angle-resolved piezoresponse force microscopy. <i>Applied Physics Letters</i> , 2011 , 99, 142909	3.4	11
61	Surface potential of ferroelectric domain investigated by kelvin force microscopy. <i>Journal of Electroceramics</i> , 2006 , 17, 185-188	1.5	11
60	Membrane crystallinity and fuel crossover in direct ethanol fuel cells with Nafion composite membranes containing phosphotungstic acid. <i>Journal of Materials Science</i> , 2017 , 52, 2400-2412	4.3	10
59	Local surface potential distribution and its relaxation in ferroelectric poly(vinylidene fluoride-co-trifluoroethylene) thin films. <i>Applied Physics Letters</i> , 2012 , 101, 042904	3.4	10

58	Observation of mechanical fracture and corresponding domain structure changes of polycrystalline PbTiO ₃ nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011 , 5, 59-61	2.5	9
57	Effects of surface morphology on retention loss of ferroelectric domains in poly(vinylidene fluoride-co-trifluoroethylene) thin films. <i>Applied Physics Letters</i> , 2011 , 99, 092905	3.4	9
56	A study on the microstructure of preferred orientation of lead zirconate titanate (PZT) thin films. <i>Journal of Materials Research</i> , 1997 , 12, 1043-1047	2.5	9
55	Low temperature sintering of screen-printed Pb(ZrTi)O ₃ thick films. <i>Integrated Ferroelectrics</i> , 2000 , 30, 91-101	0.8	9
54	The role of third cation doping on phase stability, carrier transport and carrier suppression in amorphous oxide semiconductors. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 13798-13810	7.1	9
53	Synthesis and Characterization of Highly Oriented Sol-Gel (Pb, La) TiO ₃ Thin Film Optical Waveguides. <i>Journal of Sol-Gel Science and Technology</i> , 1998 , 13, 869-870	2.3	8
52	Formation of ferroelectric nano-domains using scanning force microscopy for the future application of memory devices. <i>Integrated Ferroelectrics</i> , 2000 , 31, 163-171	0.8	8
51	Piezoelectric hysteresis measurement using atomic force microscopy. <i>Integrated Ferroelectrics</i> , 2001 , 38, 31-38	0.8	8
50	Binder-free printed PEDOT wearable sensors on everyday fabrics using oxidative chemical vapor deposition. <i>Science Advances</i> , 2021 , 7, eabj8958	14.3	8
49	Effects of NHF and distilled water on structure of pores in TiO nanotube arrays. <i>Scientific Reports</i> , 2018 , 8, 12487	4.9	8
48	Facile preparation of ferroelectric poly(vinylidene fluoride-co-trifluoroethylene) thick films by solution casting. <i>Polymer Engineering and Science</i> , 2014 , 54, 466-471	2.3	7
47	The effects of an alkaline treatment on the ferroelectric properties of poly(vinylidene fluoride trifluoroethylene) films. <i>Electronic Materials Letters</i> , 2015 , 11, 586-591	2.9	7
46	Nanoscale retention-loss dynamics of polycrystalline PbTiO ₃ nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011 , 5, 289-291	2.5	7
45	Effect of heat treatment on formation of sol-gel (Pb, La)TiO ₃ films for optical application. <i>Journal of Materials Research</i> , 1997 , 12, 812-818	2.5	7
44	SURFACE POTENTIAL RELAXATION OF FERROELECTRIC DOMAIN INVESTIGATED BY KELVIN PROBE FORCE MICROSCOPY. <i>Integrated Ferroelectrics</i> , 2006 , 85, 25-30	0.8	7
43	Preparation and Characterization of (Sr _{1-x} Ti _x)O ₃ and (Ba _{1-x} Sr _x)TiO ₃ Thin Films using ECR Plasma Assisted MOCVD. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 433, 9		7
42	Mass spectroscopic study for vaporization characteristics of Ba(TMHD) ₂ and Sr(TMHD) ₂ in electron cyclotron resonance-plasma enhanced metal organic chemical vapor deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1997 , 15, 72-76	2.9	6
41	Electronic structure and x-ray-absorption near-edge structure of amorphous Zr-oxide and Hf-oxide thin films: A first-principles study. <i>Journal of Applied Physics</i> , 2005 , 97, 073519	2.5	6

40	Fabrication and Characterization of Nanoscale Ferroelectric Honeycombs. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 1355-1358	3.8	5
39	Fabrication of vertically aligned ferroelectric polyvinylidene fluoride mesoscale rod arrays. <i>Journal of Applied Polymer Science</i> , 2013 , 130, n/a-n/a	2.9	5
38	Superconductivity of YBCO Thick Films Prepared by Spark Plasma Sintering. <i>Journal of Electronic Materials</i> , 2007 , 36, 1252-1257	1.9	5
37	The Dependence of the Preferred Orientation and Piezoelectric Property of Pb(Zr 0.52 ,Ti 0.48)O 3 (PZT) Thin Film on the Deposition Temperature. <i>Ferroelectrics</i> , 2002 , 271, 27-32	0.6	5
36	Effect of metal-insulator-semiconductor structure derived space charge field on the tip vibration signal in electrostatic force microscopy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2000 , 18, 2688		5
35	Fabrication of textured YBa2Cu3Ox superconductor using directional growth. <i>Journal of Materials Research</i> , 1990 , 5, 2610-2612	2.5	5
34	GRAIN/DOMAIN INTERACTION ANTD ITS EFFECT ON BIT FORMATION IN FERROELECTRIC FILMS. <i>Integrated Ferroelectrics</i> , 2006 , 78, 255-260	0.8	4
33	Observation of domain nucleation and growth during switching process. <i>Ferroelectrics</i> , 1999 , 223, 143-148	0.6	4
32	Fabrication of YBa2Cu3Ox superconductor using Y2BaCuO5, BaCuO2 and CuO. <i>Journal of Materials Science</i> , 1991 , 26, 3593-3598	4.3	4
31	Effects of the platelet structures on the melt textured growth YBCO superconductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2003 , 13, 3165-3168	1.8	3
30	Stability and read/write characteristics of nano ferroelectric domains. <i>Ferroelectrics</i> , 2001 , 259, 289-298	0.6	3
29	GROWTH OF CARBON NANOTUBES ON THE GLASS SUBSTRATE FOR FLAT PANEL DISPLAY APPLICATIONS. <i>International Journal of Modern Physics B</i> , 2002 , 16, 979-982	1.1	3
28	Carrier Density-Tunable Work Function Buffer at the Channel/Metallization Interface for Amorphous Oxide Thin-Film Transistors. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 2703-2711	4	3
27	Synthesis of Ferroelectric Lead Titanate Nanohoneycomb Arrays via Lead Supplement Process. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2221-2225	3.8	3
26	Structural and physical properties of room temperature stable multiferroic properties of single-phase (Bi0.9La0.1)FeO3Bb(Fe0.5Nb0.5)O3 solid solution systems. <i>Journal of Applied Physics</i> , 2009 , 105, 07D919	2.5	2
25	Local structures and electronic structures of HfO2N thin films: x-ray absorption fine structure study and first-principles calculations. <i>X-Ray Spectrometry</i> , 2006 , 35, 287-295	0.9	2
24	Effects of NH3 carrier gas on the deposition and electrical characteristics of (SrTi)O3 films grown by ecr plasma assisted mocvd. <i>Integrated Ferroelectrics</i> , 1998 , 20, 173-189	0.8	2
23	Drying temperature effects on the electro-optic coefficients of PZT thin films. <i>Integrated Ferroelectrics</i> , 1998 , 22, 439-451	0.8	2

22	Mobility of Air-Stable p-type Polythiophene Field-Effect Transistors Fabricated Using Oxidative Chemical Vapor Deposition. <i>Journal of Electronic Materials</i> , 2020 , 49, 3465-3471	1.9	1
21	Flexible 3D Electrodes of Free-Standing TiN Nanotube Arrays Grown by Atomic Layer Deposition with a Ti Interlayer as an Adhesion Promoter. <i>Nanomaterials</i> , 2020 , 10,	5.4	1
20	Nanogenerators: Self-Powered Cardiac Pacemaker Enabled by Flexible Single Crystalline PMN-PT Piezoelectric Energy Harvester (Adv. Mater. 28/2014). <i>Advanced Materials</i> , 2014 , 26, 4754-4754	24	1
19	Epitaxial Growth And Optical Properties of Sol-Gel (Pb,Lu)TiO ₃ Thin Films for Waveguides. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 474, 61		1
18	Dielectric properties of SrTiO ₃ and BST thin films fabricated using ECR-PEMOCVD. <i>Integrated Ferroelectrics</i> , 1998 , 21, 343-353	0.8	1
17	Preparation of Superconducting Bi(Pb)-Sr-Ca-Cu-O Thick Films on Magnesia Substrate. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 2102-2106	3.8	1
16	High-Performance Oxide-Based p-n Heterojunctions Integrating p-SnO and n-InGaZnO. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 55676-55686	9.5	1
15	46-2: Multi-Level-Pressure Touch Sensors with P(VDF-TrFE) Deposited on Metal Oxide Thin Film Transistor. <i>Digest of Technical Papers SID International Symposium</i> , 2016 , 47, 621-624	0.5	1
14	The Effect of Bias Stress on the Performance of Amorphous InAlZnO-Based Thin Film Transistors. <i>Journal of Electronic Materials</i> , 2022 , 51, 1813	1.9	0
13	Pseudo wastewater treatment by combining adsorption and phytoaccumulation on the Linn. plant/activated carbon system. <i>International Journal of Phytoremediation</i> , 2021 , 23, 300-306	3.9	0
12	Nanotube Arrays: Fabrication of Highly Ordered and Well-Aligned PbTiO ₃ /TiN Core/Shell Nanotube Arrays (Small 31/2015). <i>Small</i> , 2015 , 11, 3722-3722	11	
11	Correction to "improvement of low-frequency characteristics of piezoelectric speakers based on acoustic diaphragms" [Sep 12 2027-2035]. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2012 , 59, 2368-2368	3.2	
10	Effects of Buffer Layer on the Fabrication and Characteristics of Ferroelectric Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 493, 471		
9	Electrical properties of a-axis aligned lanthanum-modified lead titanate thin films prepared using sol-gel process. <i>Metals and Materials International</i> , 1997 , 3, 277-282		
8	ELECTRONIC STRUCTURE OF BISMUTH TITANATE-BASE FILMS Bi _{4-x} Ln _x Ti ₃ O ₁₂ DEPENDENCE ON SUBSTITUTION ATOM. <i>Integrated Ferroelectrics</i> , 2005 , 73, 11-16	0.8	
7	Ferroelectric PLZT thin films prepared by chemical solution deposition. <i>Ferroelectrics</i> , 2001 , 260, 297-303	3.6	
6	Measurement of the Differential Pockels and Kerr Coefficients of Thin Films by a Two-Beam Polarization Interferometer with a Reflection Configuration. <i>Ferroelectrics</i> , 2002 , 271, 321-326	0.6	
5	Preparation and waveguiding properties of SOL-GEL derived lanthanum modified lead titanate slab waveguides. <i>Integrated Ferroelectrics</i> , 1998 , 20, 141-158	0.8	

- 4 Polaron conduction loss in microwave dielectric ceramics. *Journal of Materials Research*, **1999**, 14, 500-502
- 3 The Applicability of Fluorinated Silicon Nitride Film As Bottom Antireflective Layer In Deep Ultraviolet Lithography. *Materials Research Society Symposia Proceedings*, **1996**, 446, 115
- 2 Characterization of a-SiNx Thin Film Deposited By Inductively Coupled Plasma Enhanced Chemical Vapor Deposition. *Materials Research Society Symposia Proceedings*, **1996**, 446, 139
- 1 Preparation and Characterization of SrTiO₃ Thin Films Using ECR Plasma Assisted MOCVD. *Materials Research Society Symposia Proceedings*, **1995**, 415, 183