Kwangsoo No

List of Publications by Year in Descending Order

93 papers	1,285 citations	18 h-index	32 g-index
98 ext. papers	1,408 ext. citations	3.6 avg, IF	4.04 L-index

#	Paper	IF	Citations
93	The Effect of Bias Stress on the Performance of Amorphous InAlZnO-Based Thin Film Transistors. *Journal of Electronic Materials*, **2022**, 51, 1813	1.9	0
92	High-Performance Oxide-Based p-n Heterojunctions Integrating p-SnO and n-InGaZnO. *ACS Applied Materials & Interfaces*, **2021**, 13, 55676-55686	9.5	1
91	Binder-free printed PEDOT wearable sensors on everyday fabrics using oxidative chemical vapor deposition. *Science Advances*, **2021**, 7, eabj8958	14.3	8
90	Carrier Density-Tunable Work Function Buffer at the Channel/Metallization Interface for Amorphous Oxide Thin-Film Transistors. *ACS Applied Electronic Materials*, **2021**, 3, 2703-2711	4	3
89	Pseudo wastewater treatment by combining adsorption and phytoaccumulation on the Linn. plant/activated carbon system. *International Journal of Phytoremediation*, **2021**, 23, 300-306	3.9	0
88	Mobility of Air-Stable p-type Polythiophene Field-Effect Transistors Fabricated Using Oxidative Chemical Vapor Deposition. *Journal of Electronic Materials*, **2020**, 49, 3465-3471	1.9	1
87	Flexible 3D Electrodes of Free-Standing TiN Nanotube Arrays Grown by Atomic Layer Deposition with a Ti Interlayer as an Adhesion Promoter. *Nanomaterials*, **2020**, 10,	5.4	1
86	The role of third cation doping on phase stability, carrier transport and carrier suppression in amorphous oxide semiconductors. *Journal of Materials Chemistry C*, **2020**, 8, 13798-13810	7.1	9
85	Effects of membrane thickness on the performance of ionic polymer-metal composite actuators.. *RSC Advances*, **2019**, 9, 14621-14626	3.7	11
84	Intrinsically stretchable multi-functional fiber with energy harvesting and strain sensing capability. *Nano Energy*, **2019**, 55, 348-353	17.1	57
83	Effects of NHF and distilled water on structure of pores in TiO nanotube arrays. *Scientific Reports*, **2018**, 8, 12487	4.9	8
82	Membrane crystallinity and fuel crossover in direct ethanol fuel cells with Nafion composite membranes containing phosphotungstic acid. *Journal of Materials Science*, **2017**, 52, 2400-2412	4.3	10
81	Synthesis and Application of Ferroelectric Poly(Vinylidene Fluoride-co-Trifluoroethylene) Films using Electrophoretic Deposition. *Scientific Reports*, **2016**, 6, 36176	4.9	19
80	Synthesis of Ferroelectric Lead Titanate Nanohoneycomb Arrays via Lead Supplement Process. *Journal of the American Ceramic Society*, **2016**, 99, 2221-2225	3.8	3
79	46-2: Multi-Level-Pressure Touch Sensors with P(VDF-TrFE) Deposited on Metal Oxide Thin Film Transistor. *Digest of Technical Papers SID International Symposium*, **2016**, 47, 621-624	0.5	1
78	Fabrication of Highly Ordered and Well-Aligned PbTiO3/TiN Core-Shell Nanotube Arrays. *Small*, **2015**, 11, 3750-4	11	11
77	Selective current collecting design for spring-type energy harvesters. *RSC Advances*, **2015**, 5, 10662-10667	3.7	15

76	Ferroelectric nanodot formation from spin-coated poly(vinylidene fluoride-co-trifluoroethylene) films and their application to organic solar cells. *Journal of Applied Polymer Science*, **2015**, 132,	2.9	12
75	Vertically aligned P(VDF-TrFE) core-shell structures on flexible pillar arrays. *Scientific Reports*, **2015**, 5, 10728	4.9	36
74	Effect of Ag nanoparticle concentration on the electrical and ferroelectric properties of Ag/P(VDF-TrFE) composite films. *Scientific Reports*, **2015**, 5, 13209	4.9	57
73	The effects of an alkaline treatment on the ferroelectric properties of poly(vinylidene fluoride trifluoroethylene) films. *Electronic Materials Letters*, **2015**, 11, 586-591	2.9	7
72	Nanotube Arrays: Fabrication of Highly Ordered and Well-Aligned PbTiO3/TiN Core–Shell Nanotube Arrays (Small 31/2015). *Small*, **2015**, 11, 3722-3722	11	
71	Facile preparation of ferroelectric poly(vinylidene fluoride-co-trifluoroethylene) thick films by solution casting. *Polymer Engineering and Science*, **2014**, 54, 466-471	2.3	7
70	Nanogenerators: Self-Powered Cardiac Pacemaker Enabled by Flexible Single Crystalline PMN-PT Piezoelectric Energy Harvester (Adv. Mater. 28/2014). *Advanced Materials*, **2014**, 26, 4754-4754	24	1
69	Polymer piezoelectric energy harvesters for low wind speed. *Applied Physics Letters*, **2014**, 104, 012902	3.4	27
68	Visualization and manipulation of meta-stable polarization variants in multiferroic materials. *AIP Advances*, **2013**, 3, 042114	1.5	13
67	A spring-type piezoelectric energy harvester. *RSC Advances*, **2013**, 3, 3194	3.7	28
66	Fabrication and Characterization of Nanoscale Ferroelectric Honeycombs. *Journal of the American Ceramic Society*, **2013**, 96, 1355-1358	3.8	5
65	Visualization of three dimensional domain structures in ferroelectric PbTiO3 nanotubes. *Applied Physics Letters*, **2013**, 103, 022902	3.4	15
64	Fabrication of vertically aligned ferroelectric polyvinylidene fluoride mesoscale rod arrays. *Journal of Applied Polymer Science*, **2013**, 130, n/a-n/a	2.9	5
63	Correction to "improvement of low-frequency characteristics of piezoelectric speakers based on acoustic diaphragms" [Sep 12 2027-2035]. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2012**, 59, 2368-2368	3.2	
62	The piezoresponse force microscopy investigation of self-polarization alignment in poly(vinylidene fluoride-co-trifluoroethylene) ultrathin films. *Soft Matter*, **2012**, 8, 1064-1069	3.6	26
61	Effect of Ta content on the phase transition and piezoelectric properties of lead-free (K0.48Na0.48Li0.04)(Nb0.995-xMn0.005Tax)O3 thin film. *Journal of Applied Physics*, **2012**, 111, 024110	2.5	14
60	Local surface potential distribution and its relaxation in ferroelectric poly(vinylidenefluoride-co-trifluoroethylene) thin films. *Applied Physics Letters*, **2012**, 101, 042904	3.4	10
59	Vertical ZnO nanowires/graphene hybrids for transparent and flexible field emission. *Journal of Materials Chemistry*, **2011**, 21, 3432-3437		216

58	Observation of mechanical fracture and corresponding domain structure changes of polycrystalline PbTiO3 nanotubes. *Physica Status Solidi - Rapid Research Letters*, **2011**, 5, 59-61	2.5	9
57	Nanoscale retention-loss dynamics of polycrystalline PbTiO3 nanotubes. *Physica Status Solidi - Rapid Research Letters*, **2011**, 5, 289-291	2.5	7
56	Facile Preparation of PbTiO3 Nanodot Arrays: Combining Nanohybridization with Vapor Phase Reaction Sputtering. *Advanced Functional Materials*, **2011**, 21, 4277-4284	15.6	16
55	Effects of surface morphology on retention loss of ferroelectric domains in poly(vinylidenefluoride-co-trifluoroethylene) thin films. *Applied Physics Letters*, **2011**, 99, 092905	3.4	9
54	Nanoscale ferroelectric switching behavior at charged domain boundaries studied by angle-resolved piezoresponse force microscopy. *Applied Physics Letters*, **2011**, 99, 142909	3.4	11
53	Three-dimensional ferroelectric domain imaging of epitaxial BiFeO3 thin films using angle-resolved piezoresponse force microscopy. *Applied Physics Letters*, **2010**, 97, 112907	3.4	47
52	Effect of local surface potential distribution on its relaxation in polycrystalline ferroelectric films. *Journal of Applied Physics*, **2010**, 107, 054103	2.5	24
51	Nanoscale domain growth dynamics of ferroelectric poly(vinylidene fluoride-co-trifluoroethylene) thin films. *Applied Physics Letters*, **2010**, 96, 012908	3.4	45
50	Effect of deposition temperature of TiO2 on the piezoelectric property of PbTiO3 film grown by PbO gas phase reaction sputtering. *Journal of Applied Physics*, **2010**, 107, 104112	2.5	13
49	Nanoscale piezoresponse studies of ferroelectric domains in epitaxial BiFeO3 nanostructures. *Journal of Applied Physics*, **2009**, 105, 061619	2.5	37
48	Structural and physical properties of room temperature stable multiferroic properties of single-phase (Bi0.9La0.1)FeO3Pb(Fe0.5Nb0.5)O3 solid solution systems. *Journal of Applied Physics*, **2009**, 105, 07D919	2.5	2
47	Piezoresponse force microscopy studies of PbTiO3 thin films grown via layer-by-layer gas phase reaction. *Applied Physics Letters*, **2009**, 94, 092901	3.4	18
46	Screen charge transfer by grounded tip on ferroelectric surfaces. *Physica Status Solidi - Rapid Research Letters*, **2008**, 2, 74-76	2.5	24
45	Superconductivity of YBCO Thick Films Prepared by Spark Plasma Sintering. *Journal of Electronic Materials*, **2007**, 36, 1252-1257	1.9	5
44	Injection charge assisted polarization reversal in ferroelectric thin films. *Applied Physics Letters*, **2007**, 90, 072910	3.4	49
43	GRAIN/DOMAIN INTERACTION ANTD ITS EFFECT ON BIT FORMATION IN FERROELECTRIC FILMS. *Integrated Ferroelectrics*, **2006**, 78, 255-260	0.8	4
42	SURFACE POTENTIAL RELAXATION OF FERROELECTRIC DOMAIN INVESTIGATED BY KELVIN PROBE FORCE MICROSCOPY. *Integrated Ferroelectrics*, **2006**, 85, 25-30	0.8	7
41	Local structures and electronic structures of Hf?O?N thin films: x-ray absorption fine structure study and first-principles calculations. *X-Ray Spectrometry*, **2006**, 35, 287-295	0.9	2

40	Surface potential of ferroelectric domain investigated by kelvin force microscopy. *Journal of Electroceramics*, **2006**, 17, 185-188	1.5	11
39	Electronic structure and x-ray-absorption near-edge structure of amorphous Zr-oxide and Hf-oxide thin films: A first-principles study. *Journal of Applied Physics*, **2005**, 97, 073519	2.5	6
38	ELECTRONIC STRUCTURE OF BISMUTH TITANATE-BASE FILMS Bi4-xLnxTi3O12 DEPENDENCE ON SUBSTITUTION ATOM. *Integrated Ferroelectrics*, **2005**, 73, 11-16	0.8	
37	Voltage control of magnetization easy-axes: a potential candidate for spin switching in future ultrahigh-density nonvolatile magnetic random access memory. *IEEE Transactions on Magnetics*, **2004**, 40, 2637-2639	2	16
36	Effects of the platelet structures on the melt textured growth YBCO superconductors. *IEEE Transactions on Applied Superconductivity*, **2003**, 13, 3165-3168	1.8	3
35	Effect of cantilever–sample interaction on piezoelectric force microscopy. *Applied Physics Letters*, **2002**, 80, 1453-1455	3.4	53
34	GROWTH OF CARBON NANOTUBES ON THE GLASS SUBSTRATE FOR FLAT PANEL DISPLAY APPLICATIONS. *International Journal of Modern Physics B*, **2002**, 16, 979-982	1.1	3
33	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. *Ferroelectrics*, **2002**, 271, 27-32	0.6	5
32	Measurement of the Differential Pockels and Kerr Coefficients of Thin Films by a Two-Beam Polarization Interferometer with a Reflection Configuration. *Ferroelectrics*, **2002**, 271, 321-326	0.6	
31	Ferroelectric PLZT thin films prepared by chemical solution deposition. *Ferroelectrics*, **2001**, 260, 297-303	0.6	
30	Stability and read/write characteristics of nano ferroelectric domains. *Ferroelectrics*, **2001**, 259, 289-298	0.6	3
29	Structure and electrical properties of Pb(ZrxTi1−x)O3 deposited on textured Pt thin films. *Journal of Applied Physics*, **2001**, 90, 1962-1967	2.5	23
28	Piezoelectric hysteresis measurement using atomic force microscopy. *Integrated Ferroelectrics*, **2001**, 38, 31-38	0.8	8
27	Fabrication of PZT Thick Films on Silicon Substrates for Piezoelectric Actuator **2000**, 4, 195-199		42
26	Formation of ferroelectric nano-domains using scanning force microscopy for the future application of memory devices. *Integrated Ferroelectrics*, **2000**, 31, 163-171	0.8	8
25	Effect of metal–insulator–semiconductor structure derived space charge field on the tip vibration signal in electrostatic force microscopy. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2000**, 18, 2688		5
24	Measurement of the linear electro-optic coefficients of sol-gel derived strontium barium niobate thin films using a two-beam polarization interferometer. *Applied Physics Letters*, **2000**, 76, 2671-2673	3.4	14
23	Low temperature sintering of screen-printed Pb(ZrTi)O3 thick films. *Integrated Ferroelectrics*, **2000**, 30, 91-101	0.8	9

22	Polaron conduction loss in microwave dielectric ceramics. *Journal of Materials Research*, **1999**, 14, 500-502	2.5	
21	Observation of domain nucleation and growth during switching process. *Ferroelectrics*, **1999**, 223, 143-148	0.6	4
20	Composition, oxidation, and optical properties of fluorinated silicon nitride film by inductively coupled plasma enhanced chemical vapor deposition. *Journal of Materials Research*, **1999**, 14, 995-1001	2.5	12
19	Synthesis and Characterization of Highly Oriented Sol-Gel (Pb, La) TiO3 Thin Film Optical Waveguides. *Journal of Sol-Gel Science and Technology*, **1998**, 13, 869-870	2.3	8
18	Preparation of a - SiN x Thin Film with Low Hydrogen Content by Inductively Coupled Plasma Enhanced Chemical Vapor Deposition. *Journal of the Electrochemical Society*, **1998**, 145, 652-658	3.9	39
17	Effects of NH3 carrier gas on the deposition and electrical characteristics of (SrTi)O3 films grown by ecr plasma assisted mocvd. *Integrated Ferroelectrics*, **1998**, 20, 173-189	0.8	2
16	Preparation and waveguiding properties of SOL-GEL derived lathanum modified lead titanate slab waveguides. *Integrated Ferroelectrics*, **1998**, 20, 141-158	0.8	
15	Dielectric properties of SrTiO3 and BST thin films fabricated using ECR-PEMOCVD. *Integrated Ferroelectrics*, **1998**, 21, 343-353	0.8	1
14	Drying temperature effects on the electro-optic coefficients of PZT thin films. *Integrated Ferroelectrics*, **1998**, 22, 439-451	0.8	2
13	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. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1997**, 15, 72-76	2.9	6
12	Effect of heat treatment on formation of sol-gel (Pb, La)TiO3 films for optical application. *Journal of Materials Research*, **1997**, 12, 812-818	2.5	7
11	A study on the microstructure of preferred orientation of lead zirconate titanate (PZT) thin films. *Journal of Materials Research*, **1997**, 12, 1043-1047	2.5	9
10	Epitaxial Growth And Optical Properties of Sol-Gel (Pb,La)TiO3 Thin Films for Waveguides. *Materials Research Society Symposia Proceedings*, **1997**, 474, 61		1
9	Effects of Buffer Layer on the Fabrication and Characteristics of Ferroelectric Thin Films. *Materials Research Society Symposia Proceedings*, **1997**, 493, 471		
8	Electrical properties of a-axis aligned lanthanum-modified lead titanate thin films prepared using sol-gel process. *Metals and Materials International*, **1997**, 3, 277-282		
7	Preparation and Characterization of (Sr1−xTix)O3 and (Ba1−xSrx)TiO3 Thin Films using ECR Plasma Assisted MOCVD. *Materials Research Society Symposia Proceedings*, **1996**, 433, 9		7
6	The Applicability of Fluorinated Silicon Nitride Film As Bottom Antireflective Layer In Deep Ultraviolet Lithography. *Materials Research Society Symposia Proceedings*, **1996**, 446, 115		
5	Characterization of a-SiNx Thin Film Deposited By Inductively Coupled Plasma Enhanced Chemical Vapor Deposition. *Materials Research Society Symposia Proceedings*, **1996**, 446, 139		

4	Preparation and Characterization of SrTiO3 Thin Films Using ECR Plasma Assisted MOCVD. *Materials Research Society Symposia Proceedings*, **1995**, 415, 183		
3	Preparation of Superconducting Bi(Pb)-Sr-Ca-Cu-O Thick Films on Magnesia Substrate. *Journal of the American Ceramic Society*, **1991**, 74, 2102-2106	3.8	1
2	Fabrication of YBa2Cu3Ox superconductor using Y2BaCuO5, BaCuO2 and CuO. *Journal of Materials Science*, **1991**, 26, 3593-3598	4.3	4
1	Fabrication of textured YBa2Cu3Ox superconductor using directional growth. *Journal of Materials Research*, **1990**, 5, 2610-2612	2.5	5