

Kwangsoo No

List of Publications by Year in descending order

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98
papers

1,573
citations

393982

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h-index

360668

35
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98
all docs

98
docs citations

98
times ranked

2193
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertical ZnO nanowires/graphene hybrids for transparent and flexible field emission. Journal of Materials Chemistry, 2011, 21, 3432-3437.	6.7	227
2	Intrinsically stretchable multi-functional fiber with energy harvesting and strain sensing capability. Nano Energy, 2019, 55, 348-353.	8.2	86
3	Effect of Ag nanoparticle concentration on the electrical and ferroelectric properties of Ag/P(VDF-TrFE) composite films. Scientific Reports, 2015, 5, 13209.	1.6	71
4	Effect of cantilever-sample interaction on piezoelectric force microscopy. Applied Physics Letters, 2002, 80, 1453-1455.	1.5	60
5	Binder-free printed PEDOT wearable sensors on everyday fabrics using oxidative chemical vapor deposition. Science Advances, 2021, 7, eabj8958.	4.7	57
6	Injection charge assisted polarization reversal in ferroelectric thin films. Applied Physics Letters, 2007, 90, 072910.	1.5	56
7	Three-dimensional ferroelectric domain imaging of epitaxial BiFeO ₃ thin films using angle-resolved piezoresponse force microscopy. Applied Physics Letters, 2010, 97, .	1.5	54
8	Nanoscale domain growth dynamics of ferroelectric poly(vinylidene fluoride-co-trifluoroethylene) thin films. Applied Physics Letters, 2010, 96, .	1.5	51
9	Fabrication of PZT Thick Films on Silicon Substrates for Piezoelectric Actuator. , 2000, 4, 195-199.		46
10	Vertically aligned P(VDF-TrFE) core-shell structures on flexible pillar arrays. Scientific Reports, 2015, 5, 10728.	1.6	44
11	Preparation of 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.	1.3	43
12	Nanoscale piezoresponse studies of ferroelectric domains in epitaxial BiFeO ₃ nanostructures. Journal of Applied Physics, 2009, 105, 061619.	1.1	37
13	A spring-type piezoelectric energy harvester. RSC Advances, 2013, 3, 3194.	1.7	34
14	Polymer piezoelectric energy harvesters for low wind speed. Applied Physics Letters, 2014, 104, .	1.5	33
15	The piezoresponse force microscopy investigation of self-polarization alignment in poly(vinylidene) Tj ETQq1 1 0.784314 rgBTJ /Overlock	1.2	28
16	Effect of local surface potential distribution on its relaxation in polycrystalline ferroelectric films. Journal of Applied Physics, 2010, 107, .	1.1	27
17	Synthesis and Application of Ferroelectric Poly(Vinylidene Fluoride-co-Trifluoroethylene) Films using Electrophoretic Deposition. Scientific Reports, 2016, 6, 36176.	1.6	26
18	Screen charge transfer by grounded tip on ferroelectric surfaces. Physica Status Solidi - Rapid Research Letters, 2008, 2, 74-76.	1.2	25

#	ARTICLE	IF	CITATIONS
19	Structure and electrical properties of Pb(Zr _x Ti _{1-x})O ₃ deposited on textured Pt thin films. Journal of Applied Physics, 2001, 90, 1962-1967.	1.1	23
20	Piezoresponse force microscopy studies of PbTiO ₃ thin films grown via layer-by-layer gas phase reaction. Applied Physics Letters, 2009, 94, .	1.5	21
21	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.	1.2	19
22	Facile Preparation of PbTiO ₃ Nanodot Arrays: Combining Nano-hybridization with Vapor Phase Reaction Sputtering. Advanced Functional Materials, 2011, 21, 4277-4284.	7.8	18
23	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.	2.7	18
24	Selective current collecting design for spring-type energy harvesters. RSC Advances, 2015, 5, 10662-10666.	1.7	17
25	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.	1.7	17
26	Effects of membrane thickness on the performance of ionic polymer-metal composite actuators. RSC Advances, 2019, 9, 14621-14626.	1.7	16
27	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.	1.5	15
28	Visualization and manipulation of meta-stable polarization variants in multiferroic materials. AIP Advances, 2013, 3, .	0.6	15
29	Visualization of three dimensional domain structures in ferroelectric PbTiO ₃ nanotubes. Applied Physics Letters, 2013, 103, .	1.5	15
30	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.	1.2	14
31	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} Ta _x)O ₃ thin film. Journal of Applied Physics, 2012, 111, 024110.	1.1	14
32	Effects of NH ₄ F and distilled water on structure of pores in TiO ₂ nanotube arrays. Scientific Reports, 2018, 8, 12487.	1.6	14
33	Effect of heat treatment on formation of sol-gel (Pb, La)TiO ₃ films for optical application. Journal of Materials Research, 1997, 12, 812-818.	1.2	13
34	Effect of deposition temperature of TiO ₂ on the piezoelectric property of PbTiO ₃ film grown by PbO gas phase reaction sputtering. Journal of Applied Physics, 2010, 107, 104112.	1.1	13
35	Nanoscale ferroelectric switching behavior at charged domain boundaries studied by angle-resolved piezoresponse force microscopy. Applied Physics Letters, 2011, 99, .	1.5	13
36	A Study on the Microstructure of Preferred Orientation of Lead Zirconate Titanate (PZT) Thin Films. Journal of Materials Research, 1997, 12, 1043-1047.	1.2	12

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37	Surface potential of ferroelectric domain investigated by kelvin force microscopy. Journal of Electroceramics, 2006, 17, 185-188.	0.8	12
38	Fabrication of Highly Ordered and Well-Aligned PbTiO ₃ /TiN Core-Shell Nanotube Arrays. Small, 2015, 11, 3750-3754.	5.2	12
39	Ferroelectric nanodot formation from spin-coated poly(vinylidene fluoride-co-trifluoroethylene) thin films. Applied Polymer Science, 2015, 132, .	1.3	12
40	Title is missing!. Journal of Sol-Gel Science and Technology, 1998, 13, 869-870.	1.1	11
41	Local surface potential distribution and its relaxation in ferroelectric poly(vinylidene fluoride-co-trifluoroethylene) thin films. Applied Physics Letters, 2012, 101, 042904.	1.5	11
42	Low temperature sintering of screen-printed Pb(ZrTi)O ₃ thick films. Integrated Ferroelectrics, 2000, 30, 91-101.	0.3	10
43	Factors Determining the Resistive Switching Behavior of Transparent InGaZnO-Based Memristors. Physica Status Solidi - Rapid Research Letters, 2022, 16, .	1.2	10
44	Observation of mechanical fracture and corresponding domain structure changes of polycrystalline PbTiO ₃ nanotubes. Physica Status Solidi - Rapid Research Letters, 2011, 5, 59-61.	1.2	9
45	Effects of surface morphology on retention loss of ferroelectric domains in poly(vinylidene fluoride-co-trifluoroethylene) thin films. Applied Physics Letters, 2011, 99, .	1.5	9
46	Facile preparation of ferroelectric poly(vinylidene fluoride-co-trifluoroethylene) thick films by solution casting. Polymer Engineering and Science, 2014, 54, 466-471.	1.5	9
47	The synthesis of zinc ferrite spinel: Determination of pH value in the co-precipitation step. Ceramics International, 2022, 48, 4090-4095.	2.3	9
48	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. Materials Research Society Symposia Proceedings, 1996, 433, 9.	0.1	8
49	Formation of ferroelectric nano-domains using scanning force microscopy for the future application of memory devices. Integrated Ferroelectrics, 2000, 31, 163-171.	0.3	8
50	Piezoelectric hysteresis measurement using atomic force microscopy. Integrated Ferroelectrics, 2001, 38, 31-38.	0.3	8
51	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.	1.1	8
52	SURFACE POTENTIAL RELAXATION OF FERROELECTRIC DOMAIN INVESTIGATED BY KELVIN PROBE FORCE MICROSCOPY. Integrated Ferroelectrics, 2006, 85, 25-30.	0.3	8
53	Fabrication of vertically aligned ferroelectric polyvinylidene fluoride mesoscale rod arrays. Journal of Applied Polymer Science, 2013, 130, 3842-3848.	1.3	8
54	The effects of an alkaline treatment on the ferroelectric properties of poly(vinylidene fluoride) thin films. Applied Polymer Science, 2013, 130, 3842-3848.	1.0	8

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55	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.	0.9	7
56	Nanoscale retention loss dynamics of polycrystalline PbTiO ₃ nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011, 5, 289-291.	1.2	7
57	Fabrication of textured YBa ₂ Cu ₃ O _x superconductor using directional growth. <i>Journal of Materials Research</i> , 1990, 5, 2610-2612.	1.2	6
58	Pseudo wastewater treatment by combining adsorption and phytoaccumulation on the <i>Acrostichum aureum</i> Linn. plant/activated carbon system. <i>International Journal of Phytoremediation</i> , 2021, 23, 300-306.	1.7	6
59	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.	1.6	5
60	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.	0.3	5
61	GRAIN/DOMAIN INTERACTION AND ITS EFFECT ON BIT FORMATION IN FERROELECTRIC FILMS. <i>Integrated Ferroelectrics</i> , 2006, 78, 255-260.	0.3	5
62	Superconductivity of YBCO Thick Films Prepared by Spark Plasma Sintering. <i>Journal of Electronic Materials</i> , 2007, 36, 1252-1257.	1.0	5
63	Fabrication and Characterization of Nanoscale Ferroelectric Honeycombs. <i>Journal of the American Ceramic Society</i> , 2013, 96, 1355-1358.	1.9	5
64	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.	2.0	5
65	Fabrication of YBa ₂ Cu ₃ O _x superconductor using Y ₂ BaCuO ₅ , BaCuO ₂ and CuO. <i>Journal of Materials Science</i> , 1991, 26, 3593-3598.	1.7	4
66	Observation of domain nucleation and growth during switching process. <i>Ferroelectrics</i> , 1999, 223, 143-148.	0.3	4
67	Nanogenerators: Self-Powered Cardiac Pacemaker Enabled by Flexible Single Crystalline PMN-PT Piezoelectric Energy Harvester (<i>Adv. Mater.</i> 28/2014). <i>Advanced Materials</i> , 2014, 26, 4754-4754.	11.1	4
68	Synthesis of Ferroelectric Lead Titanate Nanohoneycomb Arrays via Lead Supplement Process. <i>Journal of the American Ceramic Society</i> , 2016, 99, 2221-2225.	1.9	4
69	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.	1.0	4
70	High-Performance Oxide-Based p-n Heterojunctions Integrating p-SnO _x and n-InGaZnO. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 55676-55686.	4.0	4
71	A novel angular rate sensor employing flexural plate wave. , 1999, , .		3
72	Stability and read/write characteristics of nano ferroelectric domains. <i>Ferroelectrics</i> , 2001, 259, 289-298.	0.3	3

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73	GROWTH OF CARBON NANOTUBES ON THE GLASS SUBSTRATE FOR FLAT PANEL DISPLAY APPLICATIONS. International Journal of Modern Physics B, 2002, 16, 979-982.	1.0	3
74	Effects of the platelet structures on the melt textured growth YBCO superconductors. IEEE Transactions on Applied Superconductivity, 2003, 13, 3165-3168.	1.1	3
75	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, 409.	1.9	3
76	Preparation of Superconducting Bi(Pb)-Sr-Ca-Cu-O Thick Films on Magnesia Substrate. Journal of the American Ceramic Society, 1991, 74, 2102-2106.	1.9	2
77	Effects of NH ₃ carrier gas on the deposition and electrical characteristics of (SrTi)O ₃ films grown by ecr plasma assisted mocvd. Integrated Ferroelectrics, 1998, 20, 173-189.	0.3	2
78	Drying temperature effects on the electro-optic coefficients of PZT thin films. Integrated Ferroelectrics, 1998, 22, 439-451.	0.3	2
79	Local structures and electronic structures of Hf _{1-x} O _{1-x} N thin films: x-ray absorption fine structure study and first-principles calculations. X-Ray Spectrometry, 2006, 35, 287-295.	0.9	2
80	Structural and physical properties of room temperature stable multiferroic properties of single-phase (Bi _{0.9} La _{0.1})FeO ₃ â€“Pb(Fe _{0.5} Nb _{0.5})O ₃ solid solution systems. Journal of Applied Physics, 2009, 105, 07D919.	1.1	2
81	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.	0.1	2
82	The Effect of Bias Stress on the Performance of Amorphous InAlZnO-Based Thin Film Transistors. Journal of Electronic Materials, 2022, 51, 1813-1819.	1.0	2
83	Epitaxial Growth And Optical Properties of Sol-Gel (Pb,La)TiO ₃ Thin Films for Waveguides. Materials Research Society Symposia Proceedings, 1997, 474, 61.	0.1	1
84	Dielectric properties of SrTiO ₃ and BST thin films fabricated using ECR-PEMOCVD. Integrated Ferroelectrics, 1998, 21, 343-353.	0.3	1
85	Preparation and Characterization Of SrTiO ₃ Thin Films Using ECR Plasma Assisted MOCVD. Materials Research Society Symposia Proceedings, 1995, 415, 183.	0.1	0
86	The Applicability of Fluorinated Silicon Nitride Film As Bottom Antireflective Layer In Deep Ultraviolet Lithography. Materials Research Society Symposia Proceedings, 1996, 446, 115.	0.1	0
87	Characterization of aâ€“SiN _x Thin Film Deposited By Inductively Coupled Plasma Enhanced Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 1996, 446, 139.	0.1	0
88	Effects of Buffer Layer on the Fabrication and Characteristics of Ferroelectric Thin Films. Materials Research Society Symposia Proceedings, 1997, 493, 471.	0.1	0
89	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.	0.2	0
90	Preparation and waveguiding properties of SOL-GEL derived lathanum modified lead titanate slab waveguides. Integrated Ferroelectrics, 1998, 20, 141-158.	0.3	0

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91	Polaron conduction loss in microwave dielectric ceramics. Journal of Materials Research, 1999, 14, 500-502.	1.2	0
92	Ferroelectric PLZT thin films prepared by chemical solution deposition. Ferroelectrics, 2001, 260, 297-303.	0.3	0
93	The effects of Sr/Ti ratio on the step coverage of SrTiO ₃ /sub 3/ thin films fabricated using ECR-PEMOCVD. , 0, , .		0
94	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.	0.3	0
95	ELECTRONIC STRUCTURE OF BISMUTH TITANATE-BASE FILMS Bi _{4-x} Ln _x Ti ₃ O ₁₂ DEPENDENCE ON SUBSTITUTION ATOM. Integrated Ferroelectrics, 2005, 73, 11-16.	0.3	0
96	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.	1.7	0
97	Nanotube Arrays: Fabrication of Highly Ordered and Well-Aligned PbTiO ₃ /TiN Core-Shell Nanotube Arrays (Small 31/2015). Small, 2015, 11, 3722-3722.	5.2	0
98	Multi-functional touch sensors with strained P(VDF-TrFE) deposited on metal oxide thin film transistor. , 2016, , .		0