Jong Hoon Jung

List of Publications by Year
in descending order

126	4,248	117625	118850
papers	citations	34 h-index	62 g-index

128	128	128	5303
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lead-Free NaNbO₃ Nanowires for a High Output Piezoelectric Nanogenerator. ACS Nano, 2011, 5, 10041-10046.	14.6	427
2	Mid-infrared properties of aVO2film near the metal-insulator transition. Physical Review B, 1996, 54, 4621-4628.	3.2	251
3	Flexible Pyroelectric Nanogenerators using a Composite Structure of Leadâ€Free KNbO₃ Nanowires. Advanced Materials, 2012, 24, 5357-5362.	21.0	237
4	Polaron Absorption in a Perovskite ManganiteLa0.7Ca0.3MnO3. Physical Review Letters, 1998, 81, 1517-1520.	7.8	176
5	Optical Magnetoelectric Effect in the PolarGaFeO3Ferrimagnet. Physical Review Letters, 2004, 93, 037403.	7.8	144
6	Mechanical and electrical characterization of PVDF-ZnO hybrid structure for application to nanogenerator. Nano Energy, 2017, 33, 462-468.	16.0	137
7	Determination of electronic band structures ofCaMnO3andLaMnO3using optical-conductivity analyses. Physical Review B, 1997, 55, 15489-15493.	3.2	134
8	Interdigital electrode based triboelectric nanogenerator for effective energy harvesting from water. Nano Energy, 2017, 36, 233-240.	16.0	116
9	Lead-free KNbO₃ferroelectric nanorod based flexible nanogenerators and capacitors. Nanotechnology, 2012, 23, 375401.	2.6	111
10	Base-treated polydimethylsiloxane surfaces as enhanced triboelectric nanogenerators. Nano Energy, 2015, 15, 523-529.	16.0	101
11	Midgap states ofLa1â^'xCaxMnO3:â€ƒDoping-dependent optical-conductivity studies. Physical Review B, 1998, 57, R11043-R11046.	3.2	98
12	Floating buoy-based triboelectric nanogenerator for an effective vibrational energy harvesting from irregular and random water waves in wild sea. Nano Energy, 2018, 45, 247-254.	16.0	94
13	Flexible Pb(Zr_{0.52}Ti_{0.48})O₃ Films for a Hybrid Piezoelectric-Pyroelectric Nanogenerator under Harsh Environments. ACS Applied Materials & Interfaces, 2016, 8, 6504-6511.	8.0	87
14	Change of Electronic Structure inCa2RuO4Induced by Orbital Ordering. Physical Review Letters, 2003, 91, 056403.	7.8	86
15	Elastic softening and central peaks in BaTiO3 single crystals above the cubic-tetragonal phase-transition temperature. Applied Physics Letters, 2008, 93, 102905.	3.3	75
16	Optical properties of aNd0.7Sr0.3MnO3single crystal. Physical Review B, 1999, 60, 5251-5257.	3.2	74
17	Chemical speciation of size-segregated floor dusts and airborne magnetic particles collected at underground subway stations in Seoul, Korea. Journal of Hazardous Materials, 2012, 213-214, 331-340.	12.4	72
18	Lead-free LiNbO3 nanowire-based nanocomposite for piezoelectric power generation. Nanoscale Research Letters, 2014, 9, 4.	5.7	69

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19	Critical control of competition between metallic ferromagnetism and charge/orbital correlation in single crystals of perovskite manganites. Physical Review B, 2003, 68, .	3.2	64
20	Interface electronic structures of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BaTiO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:m		

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37	Resistive magnetodielectric property of polycrystalline Î³-Fe2O3. Applied Physics Letters, 2007, 91, .	3.3	32
38	Enhanced triboelectrification of the polydimethylsiloxane surface by ultraviolet irradiation. Applied Physics Letters, 2016, 108, .	3.3	32
39	Optical investigations of the charge gap in orbital-orderedLa1/2Sr3/2MnO4. Physical Review B, 2000, 61, 6902-6906.	3.2	30
40	Magnetodielectric effect in BaTiO3â^'LaMnO3 composites. Journal of Applied Physics, 2007, 102, .	2.5	28
41	Vertically aligned epitaxial KNbO3 nanorod array for piezoelectric energy harvester and second harmonic generator. Nano Energy, 2015, 17, 261-268.	16.0	28
42	Nonferroelectric epitaxial Srâ€"Biâ€"Ta oxide thin film with a high dielectric constant. Applied Physics Letters, 1998, 73, 2518-2520.	3.3	26
43	Spin-Orbital Pattern Dependent Polaron Absorption in Manganites. Physical Review Letters, 2002, 89, 016403.	7.8	26
44	Effect of oxygen annealing on magnetic, electric and magnetodielectric properties of Ba-doped BiFeO3. Physica B: Condensed Matter, 2010, 405, 1086-1089.	2.7	26
45	Bipolar resistance switching and photocurrent in a BaTiO3-Î´ thin film. Journal of Applied Physics, 2013, 114, 094101.	2.5	25
46	Magnetoelectric and magnetodielectric properties of (1â^'x)Ba0.6Sr0.4TiO3â€"(x)La0.7Ca0.3MnO3 composites. Solid State Communications, 2008, 148, 424-427.	1.9	24
47	Ferroelectrically augmented contact electrification enables efficient acoustic energy transfer through liquid and solid media. Energy and Environmental Science, 2022, 15, 1243-1255.	30.8	24
48	In Situ Observation of Dehydration-Induced Phase Transformation from Na₂Nb₂O₆â€"H₂O to NaNbO₃. Journal of Physical Chemistry C, 2012, 116, 22261-22265.	3.1	23
49	Microwave-welded single-walled carbon nanotubes as suitable electrodes for triboelectric energy harvesting from biomaterials and bioproducts. Nano Energy, 2019, 56, 338-346.	16.0	23
50	Magnetodielectric effect via a noncollinear-to-collinear spin reorientation in rare-earth iron garnets. Physical Review B, 2011, 83, .	3.2	22
51	A Highly Efficient and Durable Kirigami Triboelectric Nanogenerator for Rotational Energy Harvesting. Energies, 2021, 14, 1120.	3.1	22
52	Electronic structures of double perovskitesSr2(Fe1â^'zMnz)MoO6:Doping-dependent optical studies. Physical Review B, 2002, 66, .	3.2	20
53	High pyroelectric power generation of 0.7Pb(Mg1/3Nb2/3)O3â€"0.3PbTiO3 single crystal. Current Applied Physics, 2014, 14, 1486-1491.	2.4	20
54	Epitaxial growth of terbium iron garnet thin films with out-of-plane axis of magnetization. Thin Solid Films, 2008, 516, 7753-7757.	1.8	19

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55	Logarithmic temperature variations of the elastic constant of barium titanate near the ferroelectric phase transition. Current Applied Physics, 2012, 12, 1185-1189.	2.4	18
56	Polarizationâ€•and Electrodeâ€Optimized Polyvinylidene Fluoride Films for Harsh Environmental Piezoelectric Nanogenerator Applications. Small, 2021, 17, e2007289.	10.0	18
57	Photo-carrier control of exchange bias in BiFeO3/La2/3Sr1/3MnO3 thin films. Applied Physics Letters, 2014, 104, 252407.	3.3	17
58	Study of magnetic, dielectric and magnetodielectric properties of BaTiO3/Fe3O4 core/shell nanocomposite. Journal of Materials Science: Materials in Electronics, 2015, 26, 32-36.	2.2	16
59	Temperature-dependent resonant photoemission study of the metallic and charge-ordered phases ofPr1â^'xSrxMnO3. Physical Review B, 1999, 60, 13257-13260.	3.2	15
60	Possible role of hydroxyl group on local structure and phase transition of KNbO3 and KTaO3 nanocrystals. Physica B: Condensed Matter, 2010, 405, 4866-4870.	2.7	15
61	Ar plasma treated polytetrafluoroethylene films for a highly efficient triboelectric generator. Journal of the Korean Physical Society, 2016, 69, 1720-1723.	0.7	15
62	Optical studies of a layered manganiteLa1.2Sr1.8Mn2O7:Polaron correlation effect. Physical Review B, 2000, 62, 11320-11323.	3.2	14
63	Magnetic and ferroelectric properties of epitaxial Sr-doped thin films. Solid State Communications, 2010, 150, 431-434.	1.9	14
64	Observation of intriguing exchange bias in BiFeO3 thin films. Journal of Applied Physics, 2012, 112, 033915.	2.5	14
65	Magnetic-field-dependent optical studies of a layered antiferromagnetPr1/2Sr1/2MnO3. Physical Review B, 2000, 62, 8634-8637.	3.2	13
66	Complicated nature of the gap inMgB2:Magnetic-field-dependent optical studies. Physical Review B, 2002, 65, .	3.2	12
67	Tailored Hydrogen-Free Carbon Films by Tuning the sp²/sp³ Configuration. ACS Applied Electronic Materials, 2021, 3, 1771-1779.	4.3	12
68	Highly durable direct-current power generation in polarity-controlled and soft-triggered rotational triboelectric nanogenerator. Applied Energy, 2022, 314, 119006.	10.1	12
69	Dimensional crossover driven by magnetic ordering in optical conductivity ofPr1/2Sr1/2MnO3. Physical Review B, 2000, 61, 14656-14659.	3.2	11
70	Effect of hydroxyl group on global and local structures of hydrothermally grown KNbO3 nanorods. Materials Chemistry and Physics, 2011, 129, 1071-1074.	4.0	11
71	Possible origin of stabilized monoclinic structure of KNbO3 nanomaterials at room temperature. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 210, 19-23.	3.5	11
72	Solvent-dependent self-assembly of two dimensional layered perovskite (C6H5CH2CH2NH3)2MCl4 (Mâ€‰=â€‰Cu, Mn) thin films in ambient humidity. Scientific Reports, 2018, 8, 4661.	3.3	11

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73	Effect of Ba(Cu1/3Nb2/3)O3 content on multiferroic properties in BiFeO3 ceramics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 451-455.	3.5	10
74	Enhancing the electrical, optical, and magnetic characteristics of DNA thin films through Mn2+ fortification. Colloids and Surfaces B: Biointerfaces, 2018, 167, 197-205.	5.0	10
75	Thermal stability and Young's modulus of mechanically exfoliated flexible mica. Current Applied Physics, 2018, 18, 1486-1491.	2.4	10
76	Suppressed magnetoelectric effect in epitaxially grown multiferroic Pb(Zr_{0.57}Ti_{0.43})O₃â€“Pb(Fe_{2/3}W_{1/3})O₃ solid-solution thin films. Journal Physics D: Applied Physics, 2010, 43, 455403.	2.8	9
77	One-pot synthesis of Mn3O4-decorated GaN nanowires for drastic changes in magnetic and gas-sensing properties. Microelectronic Engineering, 2015, 139, 60-69.	2.4	9
78	Mechanical stability of ferrimagnetic CoFe2O4 flexible thin films. Current Applied Physics, 2021, 31, 87-92.	2.4	9
79	Magnetic and Electric Properties of Ba-doped BiFeO3 Epitaxial Thin Films Prepared by Pulsed Laser Deposition. Journal of the Korean Physical Society, 2009, 55, 609-612.	0.7	8
80	Magnetoresistance of epitaxial SrRuO3 thin films on a flexible CoFe2O4-buffered mica substrate. Current Applied Physics, 2022, 34, 71-75.	2.4	8
81	Uncompensated spins in exchange-biased BiFeO3/Î³-Fe2O3 core/shell-like thin films. Journal of Applied Physics, 2013, 114, 103902.	2.5	7
82	Observation of three crystalline layers in hydrothermally grown BiFeO3 thick films. Journal of Applied Physics, 2014, 116, .	2.5	7
83	Electric polarization and diode-like conduction in hydrothermally grown BiFeO3 thin films. Journal of Alloys and Compounds, 2015, 622, 734-737.	5.5	7
84	Intriguing photo-control of exchange bias in BiFeO3/La2/3Sr1/3MnO3 thin films on SrTiO3 substrates. Nanoscale Research Letters, 2015, 10, 125.	5.7	7
85	Dielectric and Ferroelectric Properties of P(VDF-TrFE) Films with Different Polar Solvents. Journal of the Korean Physical Society, 2019, 74, 78-81.	0.7	7
86	Optical investigations of polycrystalline Mg1â^'xB2 near metalâ€“insulator transition. Solid State Communications, 2003, 126, 175-179.	1.9	6
87	Arch-Shaped triboelectric nanogenerator as a facile device for water-wave vibrational energy. Journal of the Korean Physical Society, 2017, 71, 679-683.	0.7	6
88	Proton-irradiated Pb(Zr0.52Ti0.48)O3 thick films for flexible non-volatile memory applications. Current Applied Physics, 2019, 19, 728-732.	2.4	6
89	Raman scattering and optical absorption studies of an orbital ordered Ca2RuO4. Solid State Communications, 2005, 133, 103-107.	1.9	5
90	Phase diagrams of perovskite-type manganese oxides. Journal of Physics and Chemistry of Solids, 2006, 67, 2214-2221.	4.0	5

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91	Intriguing photoconductivity behaviors of SrTiO3â˜Î´ thin films with Pt contacts. Solid State Communications, 2011, 151, 1784-1786.	1.9	5
92	A 0.7Pb(Mg1/3Nb2/3)O3-0.3PbTiO3-based pyroelectric generator and temperature sensor. Journal of the Korean Physical Society, 2015, 66, 713-716.	0.7	5
93	Template Engineering of Metal-to-Insulator Transitions in Epitaxial Bilayer Nickelate Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 54466-54475.	8.0	5
94	Application of magnetic fields for a low temperature growth of high-quality SrRuO₃thin films. Journal Physics D: Applied Physics, 2008, 41, 125005.	2.8	4
95	Coexisting ferroelectric and paraelectric phases in electron beam irradiated P(VDF-TrFE) films. Journal of the Korean Physical Society, 2016, 69, 1724-1728.	0.7	4
96	Enhanced triboelectric charge through a facile hydrothermal treatment of electrode. Current Applied Physics, 2016, 16, 1364-1368.	2.4	4
97	Non-stoichiometry-induced metal-to-insulator transition in nickelate thin films grown by pulsed laser deposition. Current Applied Physics, 2018, 18, 1577-1582.	2.4	4
98	Enhanced ferroelectricity in perovskite oxysulfides. Physical Review Materials, 2019, 3, .	2.4	4
99	Exchange Bias in Cr2O3/Fe3O4Core/Shell Nanoparticles. Journal of Magnetics, 2009, 14, 147-149.	0.4	4
100	Hard coating films of fluorine-containing ladder-like structured polysilsesquioxane as negative triboelectric materials for high-performance triboelectric generators. Extreme Mechanics Letters, 2022, 50, 101533.	4.1	4
101	Infrared phonon study of charge ordering in La1/2Sr3/2MnO4. Journal of Physics Condensed Matter, 2000, 12, 9799-9806.	1.8	3
102	Magnetic-field-dependent optical studies of Pr0.69Ca0.31MnO3. Physica C: Superconductivity and Its Applications, 2001, 364-365, 614-617.	1.2	3
103	Effect of grain boundary on resistive magnetodielectric property of polycrystalline Î³-Fe2O3. Applied Physics A: Materials Science and Processing, 2008, 93, 517-520.	2.3	3
104	Annealing effects on the structure, photoluminescence, and magnetic properties of GaN/Mn3O4 coreâ€“shell nanowires. Journal of Solid State Chemistry, 2010, 183, 2445-2450.	2.9	3
105	Fabrication and magnetic properties of In2O3/NiMnGa coreâ€“shell nanowires. Thin Solid Films, 2013, 546, 219-225.	1.8	3
106	Increased saturation field as the origin of the giant electrocaloric effect in Ba0.8Sr0.2TiO3 thin films. Journal of the Korean Physical Society, 2015, 67, 551-555.	0.7	3
107	Large-Scale Fabrication of Copper-Ion-Coated Deoxyribonucleic Acid Hybrid Fibers by Ion Exchange and Self-Metallization. ACS Omega, 2019, 4, 16462-16470.	3.5	3
108	Co-sheathed SiOx nanowires. Applied Surface Science, 2009, 255, 8425-8429.	6.1	2

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109	Photoluminescence of high energy Ar+-irradiated SrTiO3 single crystal. Physica B: Condensed Matter, 2010, 405, 2581-2584.	2.7	2
110	Decoration of In2O3 nanowires with BaTiO3 nanoparticles for enhancement of magnetic properties. Metals and Materials International, 2013, 19, 1123-1129.	3.4	2
111	Coexistence of piezoelectricity and electric conduction in oxygen-deficient NaNbO3â˜Ï´ sub-micron cubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 182, 81-85.	3.5	2
112	A lead-free flexible structure for piezoelectric power generation. Journal of the Korean Physical Society, 2014, 64, 1854-1858.	0.7	2
113	Epitaxial perovskite oxide thin films on Ba(Ti,Zr)O3 substrates for strain-induced electric/magnetic property changes near room temperature. Current Applied Physics, 2014, 14, 251-253.	2.4	2
114	Effects of Humidity on the Microstructure and the Ferroelectric Properties of Sol-Gel grown P(VDF-TrFE) Films. Journal of the Korean Physical Society, 2020, 76, 348-351.	0.7	2
115	Mid-infrared optical conductivity spectra of Nd1â˜'xSrxMnO3: orbital pattern dependent polaron hopping. Physica C: Superconductivity and Its Applications, 2001, 364-365, 652-655.	1.2	1
116	Second harmonic generation in a KNbO3 nanorod and its detection by using a near-field scanning optical microscope. Journal of the Korean Physical Society, 2016, 68, 975-978.	0.7	1
117	Irreversible change of electric conduction in ionic-liquid-gated (La,Sr)MnO3 thin films. Journal of the Korean Physical Society, 2016, 69, 1263-1266.	0.7	1
118	Evidence of proton beam irradiation compared to isotope effect. Materials Research Express, 2019, 6, 1250f3.	1.6	1
119	Lead-free (K,Na)NbO3 Thick Films for Flexible Non-volatile Memory Applications. Journal of the Korean Physical Society, 2020, 77, 780-783.	0.7	1
120	Contact electrification behaviors of micro-patterned polydimethylsiloxane. Journal of the Korean Physical Society, 2021, 79, 81.	0.7	1
121	Intriguing triboelectrification behavior of identical P(VDF-TrFE) polymers. Current Applied Physics, 2021, 29, 122-127.	2.4	1
122	Epitaxial Growth and Magnetodielectric Properties of Terbium-Iron-Garnet Thin Films. Journal of the Korean Physical Society, 2008, 52, 112-115.	0.7	1
123	Intriguing Magnetoresistance Behaviors of Epitaxial SrRuO3 Thin Films. Journal of the Korean Physical Society, 2008, 52, 1955-1958.	0.7	1
124	Effect of thermal annealing on electric conduction in hydrothermally-grown BiFeO3 thick films. Journal of the Korean Physical Society, 2015, 66, 1627-1630.	0.7	0
125	Piezoelectric Nanogenerators: Polarizationâ€•and Electrodeâ€Optimized Polyvinylidene Fluoride Films for Harsh Environmental Piezoelectric Nanogenerator Applications (Small 14/2021). Small, 2021, 17, 2170062.	10.0	0
126	Critical behavior of quasi-2D organic-inorganic halide perovskite (C6H5CH2CH2NH3)2CuCl4 single crystals. Current Applied Physics, 2022, 35, 24-31.	2.4	0