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	Critical behavior of quasi-2D organic-inorganic halide perovskite (C6H5CH2CH2NH3)2CuCl4 single crystals. Current Applied Physics, 2022, 35, 24-31.	2.4	0
2	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
3	Magnetoresistance of epitaxial SrRuO3 thin films on a flexible CoFe2O4-buffered mica substrate. Current Applied Physics, 2022, 34, 71-75.	2.4	8
4	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
5	Highly durable direct-current power generation in polarity-controlled and soft-triggered rotational triboelectric nanogenerator. Applied Energy, 2022, 314, 119006.	10.1	12
6	A Highly Efficient and Durable Kirigami Triboelectric Nanogenerator for Rotational Energy Harvesting. Energies, 2021, 14, 1120.	3.1	22
7	Tailored Hydrogen-Free Carbon Films by Tuning the sp²/sp³ Configuration. ACS Applied Electronic Materials, 2021, 3, 1771-1779.	4.3	12
8	Polarizationâ€•and Electrodeâ€Optimized Polyvinylidene Fluoride Films for Harsh Environmental Piezoelectric Nanogenerator Applications. Small, 2021, 17, e2007289.	10.0	18
9	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
10	Contact electrification behaviors of micro-patterned polydimethylsiloxane. Journal of the Korean Physical Society, 2021, 79, 81.	0.7	1
11	Intriguing triboelectrification behavior of identical P(VDF-TrFE) polymers. Current Applied Physics, 2021, 29, 122-127.	2.4	1
12	Mechanical stability of ferrimagnetic CoFe2O4 flexible thin films. Current Applied Physics, 2021, 31, 87-92.	2.4	9
13	Template Engineering of Metal-to-Insulator Transitions in Epitaxial Bilayer Nickelate Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 54466-54475.	8.0	5
14	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
15	Polarization-controlled PVDF-based hybrid nanogenerator for an effective vibrational energy harvesting from human foot. Nano Energy, 2020, 76, 105066.	16.0	59
16	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
17	Ferroelectricâ€Polymerâ€Enabled Contactless Electric Power Generation in Triboelectric Nanogenerators. Advanced Functional Materials, 2019, 29, 1905816.	14.9	41
18	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

#	Article	IF	Citations
19	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
20	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
21	Evidence of proton beam irradiation compared to isotope effect. Materials Research Express, 2019, 6, 1250f3.	1.6	1
22	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
23	Enhanced ferroelectricity in perovskite oxysulfides. Physical Review Materials, 2019, 3, .	2.4	4
24	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
25	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
26	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
27	Dominant Role of Youngâ€™s Modulus for Electric Power Generation in PVDFâ€“BaTiO3 Composite-Based Piezoelectric Nanogenerator. Nanomaterials, 2018, 8, 777.	4.1	46
28	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
29	Thermal stability and Young's modulus of mechanically exfoliated flexible mica. Current Applied Physics, 2018, 18, 1486-1491.	2.4	10
30	Mechanical and electrical characterization of PVDF-ZnO hybrid structure for application to nanogenerator. Nano Energy, 2017, 33, 462-468.	16.0	137
31	Interdigital electrode based triboelectric nanogenerator for effective energy harvesting from water. Nano Energy, 2017, 36, 233-240.	16.0	116
32	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
33	Ar plasma treated polytetrafluoroethylene films for a highly efficient triboelectric generator. Journal of the Korean Physical Society, 2016, 69, 1720-1723.	0.7	15
34	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
35	Enhanced triboelectrification of the polydimethylsiloxane surface by ultraviolet irradiation. Applied Physics Letters, 2016, 108, .	3.3	32
36	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

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37	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
38	Enhanced triboelectric charge through a facile hydrothermal treatment of electrode. Current Applied Physics, 2016, 16, 1364-1368.	2.4	4
39	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
40	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
41	Base-treated polydimethylsiloxane surfaces as enhanced triboelectric nanogenerators. Nano Energy, 2015, 15, 523-529.	16.0	101
42	Electric polarization and diode-like conduction in hydrothermally grown BiFeO3 thin films. Journal of Alloys and Compounds, 2015, 622, 734-737.	5.5	7
43	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
44	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
45	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
46	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
47	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
48	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
49	Vertically aligned epitaxial KNbO3 nanorod array for piezoelectric energy harvester and second harmonic generator. Nano Energy, 2015, 17, 261-268.	16.0	28
50	Photo-carrier control of exchange bias in BiFeO3/La2/3Sr1/3MnO3 thin films. Applied Physics Letters, 2014, 104, 252407.	3.3	17
51	Observation of three crystalline layers in hydrothermally grown BiFeO3 thick films. Journal of Applied Physics, 2014, 116, .	2.5	7
52	Coexistence of piezoelectricity and electric conduction in oxygen-deficient NaNbO3â˜Î´ sub-micron cubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 182, 81-85.	3.5	2
53	Lead-free LiNbO3 nanowire-based nanocomposite for piezoelectric power generation. Nanoscale Research Letters, 2014, 9, 4.	5.7	69
54	A lead-free flexible structure for piezoelectric power generation. Journal of the Korean Physical Society, 2014, 64, 1854-1858.	0.7	2

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55	Piezoelectric power generation of vertically aligned lead-free (K,Na)NbO₃ nanorod arrays. RSC Advances, 2014, 4, 29799-29805.	3.6	44
56	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
57	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
58	Magnetodielectric effect in BaTiO3/ZnFe2O4 core/shell nanoparticles. Journal of Alloys and Compounds, 2014, 587, 437-441.	5.5	45
59	Fabrication and magnetic properties of In2O3/NiMnGa coreâ€“shell nanowires. Thin Solid Films, 2013, 546, 219-225.	1.8	3
60	Decoration of In2O3 nanowires with BaTiO3 nanoparticles for enhancement of magnetic properties. Metals and Materials International, 2013, 19, 1123-1129.	3.4	2
61	Uncompensated spins in exchange-biased BiFeO3/Î³-Fe2O3 core/shell-like thin films. Journal of Applied Physics, 2013, 114, 103902.	2.5	7
62	Bipolar resistance switching and photocurrent in a BaTiO3-Î´ thin film. Journal of Applied Physics, 2013, 114, 094101.	2.5	25
63	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
64	Lead-free KNbO₃ferroelectric nanorod based flexible nanogenerators and capacitors. Nanotechnology, 2012, 23, 375401.	2.6	111
65	Observation of intriguing exchange bias in BiFeO3 thin films. Journal of Applied Physics, 2012, 112, 033915.	2.5	14
66	Flexible Pyroelectric Nanogenerators using a Composite Structure of Leadâ€Free KNbO₃ Nanowires. Advanced Materials, 2012, 24, 5357-5362.	21.0	237
67	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
68	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
69	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
70	Lead-Free NaNbO₃ Nanowires for a High Output Piezoelectric Nanogenerator. ACS Nano, 2011, 5, 10041-10046.	14.6	427
71	Intriguing photoconductivity behaviors of SrTiO3â^Î´ thin films with Pt contacts. Solid State Communications, 2011, 151, 1784-1786.	1.9	5
72	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

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73	Magnetodielectric effect via a noncollinear-to-collinear spin reorientation in rare-earth iron garnets. Physical Review B, 2011, 83, .	3.2	22
74	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
75	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
76	Photoluminescence of high energy Ar+-irradiated SrTiO3 single crystal. Physica B: Condensed Matter, 2010, 405, 2581-2584.	2.7	2
77	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
78	Magnetic and ferroelectric properties of epitaxial Sr-doped thin films. Solid State Communications, 2010, 150, 431-434.	1.9	14
79	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
80	Electronic structure of double perovskite A₂FeReO₆(A = Ba and Ca): interplay between spinâ€“orbit interaction, electron correlation, and lattice distortion. Journal of Physics Condensed Matter, 2010, 22, 345602.	1.8	33
81	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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91	Epitaxial Growth and Magnetodielectric Properties of Terbium-Iron-Garnet Thin Films. Journal of the Korean Physical Society, 2008, 52, 112-115.	0.7	1
92	Intriguing Magnetoresistance Behaviors of Epitaxial SrRuO3 Thin Films. Journal of the Korean Physical Society, 2008, 52, 1955-1958.	0.7	1
93	Magnetodielectric coupling in core/shell BaTiO3â^•Î³-Fe2O3 nanoparticles. Applied Physics Letters, 2007, 91, .	3.3	59
94	Magnetodielectric effect in BaTiO3â^'LaMnO3 composites. Journal of Applied Physics, 2007, 102, .	2.5	28
95	Resistive magnetodielectric property of polycrystalline Î³-Fe2O3. Applied Physics Letters, 2007, 91, .	3.3	32
96	Effect of Orbital Rotation and Mixing on the Optical Properties of OrthorhombicRMnO3(R=La, Pr, Nd,) Tj ETQq0 0 0 rgBT /Overlock 10 T	7.8	45
97	Phase diagrams of perovskite-type manganese oxides. Journal of Physics and Chemistry of Solids, 2006, 67, 2214-2221.	4.0	5
98	Raman scattering and optical absorption studies of an orbital ordered Ca2RuO4. Solid State Communications, 2005, 133, 103-107.	1.9	5
99	Resonant Magnetoelectric X-ray Scattering in GaFeO3: Observation of Ordering of Toroidal Moments. Journal of the Physical Society of Japan, 2005, 74, 1419-1422.	1.6	57
100	Optical Magnetoelectric Effect in the PolarGaFeO3Ferrimagnet. Physical Review Letters, 2004, 93, 037403.	7.8	144
101	Optical investigations of polycrystalline Mg1â^'xB2 near metalâ€“insulator transition. Solid State Communications, 2003, 126, 175-179.	1.9	6
102	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
103	Change of Electronic Structure inCa2RuO4Induced by Orbital Ordering. Physical Review Letters, 2003, 91, 056403.	7.8	86
104	Spin-Orbital Pattern Dependent Polaron Absorption in Manganites. Physical Review Letters, 2002, 89, 016403.	7.8	26
105	Complicated nature of the gap inMgB2:Magnetic-field-dependent optical studies. Physical Review B, 2002, 65, .	3.2	12
106	Far-infrared transmission studies of ac-axis-oriented superconductingMgB2thin film. Physical Review B, 2002, 65, .	3.2	36
107	Electronic structures of double perovskitesSr2(Fe1â^'zMnz)MoO6:Doping-dependent optical studies. Physical Review B, 2002, 66, .	3.2	20
108	Magnetic-field-dependent optical studies of Pr0.69Ca0.31MnO3. Physica C: Superconductivity and Its Applications, 2001, 364-365, 614-617.	1.2	3

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109	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
110	Infrared phonon study of charge ordering in La1/2Sr3/2MnO4. Journal of Physics Condensed Matter, 2000, 12, 9799-9806.	1.8	3
111	Melting of charge/orbital ordered states inNd1/2Sr1/2MnO3:Temperature and magnetic-field-dependent optical studies. Physical Review B, 2000, 62, 481-487.	3.2	45
112	Optical investigations of the charge gap in orbital-orderedLa1/2Sr3/2MnO4. Physical Review B, 2000, 61, 6902-6906.	3.2	30
113	Optical studies of a layered manganiteLa1.2Sr1.8Mn2O7:Polaron correlation effect. Physical Review B, 2000, 62, 11320-11323.	3.2	14
114	Dimensional crossover driven by magnetic ordering in optical conductivity ofPr1/2Sr1/2MnO3. Physical Review B, 2000, 61, 14656-14659.	3.2	11
115	Magnetic-field-dependent optical studies of a layered antiferromagnetPr1/2Sr1/2MnO3. Physical Review B, 2000, 62, 8634-8637.	3.2	13
116	Optical investigations ofLa7/8Sr1/8MnO3. Physical Review B, 1999, 59, 3793-3797.	3.2	39
117	Temperature-dependent resonant photoemission study of the metallic and charge-ordered phases ofPr1â^'xSrxMnO3. Physical Review B, 1999, 60, 13257-13260.	3.2	15
118	Optical properties of aNd0.7Sr0.3MnO3single crystal. Physical Review B, 1999, 60, 5251-5257.	3.2	74
119	Zero-field139Lanuclear magnetic resonance inLa1â^'xCaxMnO3for0.125‹~x‹~0.5. Physical Review B, 1999, 59, 492-496.	3.2	32
120	Midgap states ofLa1â^'xCaxMnO3:â€ƒDoping-dependent optical-conductivity studies. Physical Review B, 1998, 57, R11043-R11046.	3.2	98
121	Polaron Absorption in a Perovskite ManganiteLa0.7Ca0.3MnO3. Physical Review Letters, 1998, 81, 1517-1520.	7.8	176
122	Nonferroelectric epitaxial Srâ€“Biâ€“Ta oxide thin film with a high dielectric constant. Applied Physics Letters, 1998, 73, 2518-2520.	3.3	26
123	Scaling Behavior of Spectral Weight Changes in Perovskite ManganitesLa0.7â^'yPryCa0.3MnO3. Physical Review Letters, 1998, 81, 4983-4986.	7.8	35
124	Discrepancies between infrared and dc resistivities ofLa0.7Ca0.3MnO3samples. Physical Review B, 1997, 55, 4023-4026.	3.2	38
125	Determination of electronic band structures ofCaMnO3andLaMnO3using optical-conductivity analyses. Physical Review B, 1997, 55, 15489-15493.	3.2	134
126	Mid-infrared properties of aVO2film near the metal-insulator transition. Physical Review B, 1996, 54, 4621-4628.	3.2	251