

Seung-Ho Han

List of Publications by Year in descending order

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52
papers

1,240
citations

430874

18
h-index

377865

34
g-index

52
all docs

52
docs citations

52
times ranked

2041
citing authors

#	ARTICLE	IF	CITATIONS
1	Durability-enhanced monolithic inorganic electrochromic devices with tantalum-doped nickel oxide as a counter electrode. <i>Solar Energy Materials and Solar Cells</i> , 2022, 234, 111435.	6.2	18
2	Selective metallization of piezoelectric ceramics by laser-induced surface modification combined with electroless copper plating. <i>Ceramics International</i> , 2022, 48, 9998-10003.	4.8	1
3	Mass production of multi-layer piezoelectric composite and their energy harvesting properties. <i>Ceramics International</i> , 2022, , .	4.8	0
4	Fabrication and characterization of low temperature sintered hard piezoelectric ceramics for multilayer piezoelectric energy harvesters. <i>Ceramics International</i> , 2021, 47, 16688-16695.	4.8	16
5	Flexible electrochromic and thermochromic hybrid smart window based on a highly durable ITO/graphene transparent electrode. <i>Chemical Engineering Journal</i> , 2021, 416, 129028.	12.7	38
6	All-organic piezoelectric elastomer formed through the optimal cross-linking of semi-crystalline polyrotaxanes. <i>Chemical Engineering Journal</i> , 2021, 426, 130792.	12.7	14
7	Investigation of all-solid-state electrochromic devices with durability enhanced tungsten-doped nickel oxide as a counter electrode. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152399.	5.5	43
8	Strain-Induced Photocurrent Enhancement in Photodetectors Based on Nanometer-Thick ZnO Films on Flexible Polydimethylsiloxane Substrates. <i>ACS Applied Nano Materials</i> , 2020, 3, 10922-10930.	5.0	11
9	Textured Pb(Zr,Ti)O ₃ -Pb[(Zn,Ni) _{1/3} Nb _{2/3}]O ₃ multilayer ceramics and their application to piezoelectric actuators. <i>Applied Materials Today</i> , 2020, 20, 100695.	4.3	13
10	Chronic administration of ketamine ameliorates the anxiety- and aggressive-like behavior in adolescent mice induced by neonatal maternal separation. <i>Korean Journal of Physiology and Pharmacology</i> , 2019, 23, 81.	1.2	28
11	Thermally stable large strain in low-loss (Na _{0.2} K _{0.8})NbO ₃ ∩BaZrO ₃ for multilayer actuators. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6837-6849.	3.8	8
12	VO ₂ /WO ₃ -Based Hybrid Smart Windows with Thermochromic and Electrochromic Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7111-7117.	6.7	105
13	Determination of the appropriate piezoelectric materials for various types of piezoelectric energy harvesters with high output power. <i>Nano Energy</i> , 2019, 57, 581-591.	16.0	35
14	Inverted bulk-heterojunction polymer solar cells using a sputter-deposited Al-doped ZnO electron transport layer. <i>Journal of Alloys and Compounds</i> , 2019, 777, 717-722.	5.5	22
15	Epitaxial growth of magnetic ZnCuO thin films by pulsed laser deposition. <i>Journal of Crystal Growth</i> , 2017, 460, 78-84.	1.5	2
16	Phase transition behavior and mechanical properties of (1-x)(Bi _{1/2} Na _{1/2})TiO ₃ -xSrTiO ₃ lead-free piezoelectric ceramics. <i>Sensors and Actuators A: Physical</i> , 2017, 258, 201-207.	4.1	15
17	Expression of C-type lectin receptor mRNA in chronic otitis media with cholesteatoma. <i>Acta Oto-Laryngologica</i> , 2017, 137, 581-587.	0.9	7
18	Self-assembled growth of Sr(Ti,Fe)O ₃ ∩CoFe ₂ O ₄ magnetic nanocomposite thin films. <i>Journal of Applied Physics</i> , 2017, 121, 163902.	2.5	8

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19	Piezoelectric properties of Pb(Zr,Ti)O ₃ -Pb(Ni,Nb)O ₃ ceramics and their application in energy harvesters. Journal of the European Ceramic Society, 2017, 37, 3935-3942.	5.7	42
20	Flexible Indium-Tin Oxide Crystal on Plastic Substrates Supported by Graphene Monolayer. Scientific Reports, 2017, 7, 3131.	3.3	24
21	Low-temperature sintering and piezoelectric properties of CuO-doped (K,Na)NbO ₃ ceramics. Materials Research Bulletin, 2017, 96, 121-125.	5.2	15
22	Structure and magnetic properties of pulsed laser deposited SrFe ₁₂ O ₁₉ thin films on SrTiO ₃ (100) and (111) substrates. Journal of Alloys and Compounds, 2017, 692, 545-551.	5.5	3
23	Spinel-Perovskite Nanocomposite Thin Films on Various Substrates. Journal of Nanoscience and Nanotechnology, 2017, 17, 3523-3527.	0.9	2
24	Effective Polysulfide Rejection by Dipole-Aligned BaTiO ₃ Coated Separator in Lithium-Sulfur Batteries. Advanced Functional Materials, 2016, 26, 7817-7823.	14.9	170
25	Large Strain in CuO-added (Na _{0.2} K _{0.8})NbO ₃ Ceramic for Use in Piezoelectric Multilayer Actuators. Journal of the American Ceramic Society, 2016, 99, 938-945.	3.8	15
26	(K,Na)NbO ₃ -based ceramics with excess alkali oxide for piezoelectric energy harvester. Ceramics International, 2016, 42, 5226-5230.	4.8	14
27	Flexible electrochromic films based on CVD-graphene electrodes. Nanotechnology, 2014, 25, 395702.	2.6	28
28	Piezoelectric Ceramics for Use in Multilayer Actuators and Energy Harvesters. Journal of the American Ceramic Society, 2014, 97, 3157-3163.	3.8	11
29	Effect of green density on the templated-grain growth in CuO-doped (K,Na)NbO ₃ ceramics. Ceramics International, 2014, 40, 13269-13274.	4.8	9
30	Low temperature sintering and piezoelectric properties of 0.6Pb(Zr _{1-x} Ti _x)O ₃ -0.4Pb(Zn _{1/6} Ni _{1/6} Nb _{1/3})O ₃ ceramics. Journal of Electroceramics, 2014, 33, 64-68.	2.0	6
31	Dielectric and piezoelectric properties of ceramic-polymer composites with 0-3 connectivity type. Journal of Electroceramics, 2013, 30, 30-35.	2.0	39
32	Enhanced optical response of hybridized VO ₂ /graphene films. Nanoscale, 2013, 5, 2632.	5.6	36
33	Flexible Thermochromic Window Based on Hybridized VO ₂ /Graphene. ACS Nano, 2013, 7, 5769-5776.	14.6	154
34	Citrus bergamia Risso Elevates Intracellular Ca ²⁺ in Human Vascular Endothelial Cells due to Release of Ca ²⁺ from Primary Intracellular Stores. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-7.	1.2	3
35	Ferroelectric properties of BiFeO ₃ ceramics sintered under low oxygen partial pressure. Journal of the Korean Physical Society, 2012, 60, 83-87.	0.7	13
36	Crystal phases and electric properties of (Na _{0.5} K _{0.5}) ^{1-x} Nb _{1+x} /5O ₃ :yCuO, zLiSbO ₃ piezoceramics. Ceramics International, 2012, 38, S343-S346.	4.8	1

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37	Low temperature hydrothermal epitaxy of heteroepitaxial BiFeO ₃ film. <i>Ceramics International</i> , 2012, 38, S391-S395.	4.8	9
38	Dielectric and magnetic properties of BiFeO ₃ ceramics prepared by hydrothermal synthesis. <i>Ceramics International</i> , 2012, 38, S397-S401.	4.8	27
39	BiFeO ₃ -based Lead-free Piezoelectric Ceramics. <i>Journal of the Korean Institute of Electrical and Electronic Material Engineers</i> , 2012, 25, 692-701.	0.0	0
40	Effect of working pressure on the properties of BaTiO ₃ /CoFe ₂ O ₄ composite films deposited on STO (100) by PLD. <i>Materials Letters</i> , 2010, 64, 1738-1741.	2.6	8
41	Synthesis and characterization of multiferroic BiFeO ₃ powders fabricated by hydrothermal method. <i>Ceramics International</i> , 2010, 36, 1365-1372.	4.8	77
42	Phase separation and microstructure of BaTiO ₃ /CoFe ₂ O ₄ epitaxial nanocomposite films deposited under low working pressure. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, C5A14-C5A19.	1.2	1
43	Crystal Structure and Spontaneous Magnetism of BiFeO ₃ Powder Synthesized by Hydrothermal Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 6650-6654.	0.9	6
44	Influence of oxygen partial pressure on the epitaxial MgFe ₂ O ₄ thin films deposited on SrTiO ₃ (100) substrate. <i>Journal of Alloys and Compounds</i> , 2010, 503, 460-463.	5.5	26
45	? Multiferroic properties of Ti-doped BiFeO ₃ ceramics. <i>Journal of the Korean Physical Society</i> , 2010, 56, 439-442.	0.7	42
46	Antinociceptive Effects of the Essential Oil of <i>Ocimum Basilicum</i> in Mice. <i>The Korean Journal of Pain</i> , 2009, 22, 206.	0.1	2
47	Structural and electrical properties of Sb-doped p-type ZnO thin films fabricated by RF magnetron sputtering. <i>Journal of Electroceramics</i> , 2009, 22, 82-86.	2.0	17
48	Low temperature hydrothermal epitaxy and Raman study of heteroepitaxial BiFeO ₃ film. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	22
49	Thickness Dependence of Gate Dielectric and Active Semiconductor on InGaZnO ₄ TFT Fabricated on Plastic Substrates. <i>Electrochemical and Solid-State Letters</i> , 2008, 11, H317.	2.2	18
50	Effects of Intra-articular Injection of Agmatine and Clonidine into the Knee Joint Cavity on the Induction and Maintenance of Arthritic Pain in Rats. <i>Daehan Macwi'gwa Haghoeji</i> , 2008, 54, 656.	0.2	0
51	Ferroelectric properties of heteroepitaxial PbTiO ₃ and PbZr _{1-x} Ti _x O ₃ films on Nb-doped SrTiO ₃ fabricated by hydrothermal epitaxy below Curie temperature. <i>Journal of Materials Research</i> , 2007, 22, 1037-1042.	2.6	8
52	Two-dimensional self-patterning of PbTiO ₃ on a Nb/SrTiO ₃ (001) surface using atomic force microscope lithography and hydrothermal epitaxy. <i>Applied Physics Letters</i> , 2007, 90, 172907.	3.3	8