

# 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	Effective Polysulfide Rejection by Dipole-Aligned BaTiO <sub>3</sub> Coated Separator in Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 7817-7823.	14.9	170
2	Flexible Thermo-chromic Window Based on Hybridized VO <sub>2</sub> /Graphene. <i>ACS Nano</i> , 2013, 7, 5769-5776.	14.6	154
3	VO <sub>2</sub> /WO <sub>3</sub> -Based Hybrid Smart Windows with Thermo-chromic and Electro-chromic Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7111-7117.	6.7	105
4	Synthesis and characterization of multiferroic BiFeO <sub>3</sub> powders fabricated by hydrothermal method. <i>Ceramics International</i> , 2010, 36, 1365-1372.	4.8	77
5	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
6	Piezoelectric properties of Pb(Zr,Ti)O <sub>3</sub> -Pb(Ni,Nb)O <sub>3</sub> ceramics and their application in energy harvesters. <i>Journal of the European Ceramic Society</i> , 2017, 37, 3935-3942.	5.7	42
7	? Multiferroic properties of Ti-doped BiFeO <sub>3</sub> ceramics. <i>Journal of the Korean Physical Society</i> , 2010, 56, 439-442.	0.7	42
8	Dielectric and piezoelectric properties of ceramic-polymer composites with 0-3 connectivity type. <i>Journal of Electroceramics</i> , 2013, 30, 30-35.	2.0	39
9	Flexible electrochromic and thermo-chromic hybrid smart window based on a highly durable ITO/graphene transparent electrode. <i>Chemical Engineering Journal</i> , 2021, 416, 129028.	12.7	38
10	Enhanced optical response of hybridized VO <sub>2</sub> /graphene films. <i>Nanoscale</i> , 2013, 5, 2632.	5.6	36
11	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
12	Flexible electrochromic films based on CVD-graphene electrodes. <i>Nanotechnology</i> , 2014, 25, 395702.	2.6	28
13	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
14	Dielectric and magnetic properties of BiFeO <sub>3</sub> ceramics prepared by hydrothermal synthesis. <i>Ceramics International</i> , 2012, 38, S397-S401.	4.8	27
15	Influence of oxygen partial pressure on the epitaxial MgFe <sub>2</sub> O <sub>4</sub> thin films deposited on SrTiO <sub>3</sub> (100) substrate. <i>Journal of Alloys and Compounds</i> , 2010, 503, 460-463.	5.5	26
16	Flexible Indium-Tin Oxide Crystal on Plastic Substrates Supported by Graphene Monolayer. <i>Scientific Reports</i> , 2017, 7, 3131.	3.3	24
17	Low temperature hydrothermal epitaxy and Raman study of heteroepitaxial BiFeO <sub>3</sub> film. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	22
18	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

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19	Thickness Dependence of Gate Dielectric and Active Semiconductor on InGaZnO <sub>4</sub> TFT Fabricated on Plastic Substrates. <i>Electrochemical and Solid-State Letters</i> , 2008, 11, H317.	2.2	18
20	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
21	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
22	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
23	Large Strain in CuO-doped (Na <sub>0.2</sub> K <sub>0.8</sub> )NbO <sub>3</sub> Ceramic for Use in Piezoelectric Multilayer Actuators. <i>Journal of the American Ceramic Society</i> , 2016, 99, 938-945.	3.8	15
24	Phase transition behavior and mechanical properties of (1-x)(Bi <sub>1/2</sub> Na <sub>1/2</sub> )TiO <sub>3</sub> -xSrTiO <sub>3</sub> lead-free piezoelectric ceramics. <i>Sensors and Actuators A: Physical</i> , 2017, 258, 201-207.	4.1	15
25	Low-temperature sintering and piezoelectric properties of CuO-doped (K,Na)NbO <sub>3</sub> ceramics. <i>Materials Research Bulletin</i> , 2017, 96, 121-125.	5.2	15
26	(K,Na)NbO <sub>3</sub> -based ceramics with excess alkali oxide for piezoelectric energy harvester. <i>Ceramics International</i> , 2016, 42, 5226-5230.	4.8	14
27	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
28	Ferroelectric properties of BiFeO <sub>3</sub> ceramics sintered under low oxygen partial pressure. <i>Journal of the Korean Physical Society</i> , 2012, 60, 83-87.	0.7	13
29	Textured Pb(Zr,Ti)O <sub>3</sub> -Pb[(Zn,Ni) <sub>1/3</sub> Nb <sub>2/3</sub> ]O <sub>3</sub> multilayer ceramics and their application to piezoelectric actuators. <i>Applied Materials Today</i> , 2020, 20, 100695.	4.3	13
30	Piezoelectric Ceramics for Use in Multilayer Actuators and Energy Harvesters. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3157-3163.	3.8	11
31	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
32	Low temperature hydrothermal epitaxy of heteroepitaxial BiFeO <sub>3</sub> film. <i>Ceramics International</i> , 2012, 38, S391-S395.	4.8	9
33	Effect of green density on the templated-grain growth in CuO-doped (K,Na)NbO <sub>3</sub> ceramics. <i>Ceramics International</i> , 2014, 40, 13269-13274.	4.8	9
34	Ferroelectric properties of heteroepitaxial PbTiO <sub>3</sub> and PbZr <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> films on Nb-doped SrTiO <sub>3</sub> fabricated by hydrothermal epitaxy below Curie temperature. <i>Journal of Materials Research</i> , 2007, 22, 1037-1042.	2.6	8
35	Two-dimensional self-patterning of PbTiO <sub>3</sub> on a Nb-doped SrTiO <sub>3</sub> (001) surface using atomic force microscope lithography and hydrothermal epitaxy. <i>Applied Physics Letters</i> , 2007, 90, 172907.	3.3	8
36	Effect of working pressure on the properties of BaTiO <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> composite films deposited on STO (100) by PLD. <i>Materials Letters</i> , 2010, 64, 1738-1741.	2.6	8

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37	Self-assembled growth of Sr(Ti,Fe)O <sub>3</sub> â€“CoFe <sub>2</sub> O <sub>4</sub> magnetic nanocomposite thin films. Journal of Applied Physics, 2017, 121, 163902.	2.5	8
38	Thermally stable large strain in lowâ€“loss (Na <sub>0.2</sub> K <sub>0.8</sub> )NbO <sub>3</sub> â€“BaZrO <sub>3</sub> for multilayer actuators. Journal of the American Ceramic Society, 2019, 102, 6837-6849.	3.8	8
39	Expression of C-type lectin receptor mRNA in chronic otitis media with cholesteatoma. Acta Oto-Laryngologica, 2017, 137, 581-587.	0.9	7
40	Crystal Structure and Spontaneous Magnetism of BiFeO <sub>3</sub> Powder Synthesized by Hydrothermal Method. Journal of Nanoscience and Nanotechnology, 2010, 10, 6650-6654.	0.9	6
41	Low temperature sintering and piezoelectric properties of 0.6Pb(Zr <sub>1-x</sub> Ti <sub>x</sub> )O <sub>3</sub> -0.4Pb(Zn <sub>1/6</sub> Ni <sub>1/6</sub> Nb <sub>1/3</sub> )O <sub>3</sub> ceramics. Journal of Electroceramics, 2014, 33, 64-68.	2.0	6
42	Citrus bergamiaRisso Elevates Intracellular Ca <sup>2+</sup> in Human Vascular Endothelial Cells due to Release of Ca <sup>2+</sup> from Primary Intracellular Stores. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-7.	1.2	3
43	Structure and magnetic properties of pulsed laser deposited SrFe <sub>12</sub> O <sub>19</sub> thin films on SrTiO <sub>3</sub> (100) and (111) substrates. Journal of Alloys and Compounds, 2017, 692, 545-551.	5.5	3
44	Antinociceptive Effects of the Essential Oil of Ocimum Basilicum in Mice. The Korean Journal of Pain, 2009, 22, 206.	0.1	2
45	Epitaxial growth of magnetic ZnCuO thin films by pulsed laser deposition. Journal of Crystal Growth, 2017, 460, 78-84.	1.5	2
46	Spinel-Perovskite Nanocomposite Thin Films on Various Substrates. Journal of Nanoscience and Nanotechnology, 2017, 17, 3523-3527.	0.9	2
47	Phase separation and microstructure of BaTiO <sub>3</sub> â€“CoFe <sub>2</sub> O <sub>4</sub> epitaxial nanocomposite films deposited under low working pressure. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2010, 28, C5A14-C5A19.	1.2	1
48	Crystal phases and electric properties of (Na <sub>0.5</sub> K <sub>0.5</sub> ) <sup>1-x</sup> Nb <sub>1+x</sub> /5O <sub>3</sub> :yCuO, zLiSbO <sub>3</sub> piezoceramics. Ceramics International, 2012, 38, S343-S346.	4.8	1
49	Selective metallization of piezoelectric ceramics by laser-induced surface modification combined with electroless copper plating. Ceramics International, 2022, 48, 9998-10003.	4.8	1
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. Daehan Macwi'gwa Haghoeji, 2008, 54, 656.	0.2	0
51	BiFeO <sub>3</sub> -based Lead-free Piezoelectric Ceramics. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2012, 25, 692-701.	0.0	0
52	Mass production of multi-layer piezoelectric composite and their energy harvesting properties. Ceramics International, 2022, , .	4.8	0