

Dong Hun Kim

List of Publications by Year in descending order

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394421

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43
all docs

43
docs citations

43
times ranked

2878
citing authors

#	ARTICLE	IF	CITATIONS
1	On-chip optical isolation in monolithically integrated non-reciprocal optical resonators. Nature Photonics, 2011, 5, 758-762.	31.4	766
2	Length Scale of the Spin Seebeck Effect. Physical Review Letters, 2015, 115, 096602.	7.8	163
3	Deposition of epitaxial BiFeO ₃ /CoFe ₂ O ₄ nanocomposites on (001) SrTiO ₃ by combinatorial pulsed laser deposition. Applied Physics Letters, 2012, 100, .	3.3	89
4	Magneto-Optical Thin Films for On-Chip Monolithic Integration of Non-Reciprocal Photonic Devices. Materials, 2013, 6, 5094-5117.	2.9	82
5	Enhanced Magneto-optic Kerr Effect and Magnetic Properties of $\text{CeY}_{1-x}\text{Mn}_x\text{O}_2$. Physical Review Applied, 2015, 4, .	3.8	179
6	Multiferroic Behavior of Templated BiFeO ₃ ∕CoFe ₂ O ₄ Self-Assembled Nanocomposites. ACS Applied Materials & Interfaces, 2015, 7, 2263-2268.	8.0	77
7	Templated Self-Assembly of Functional Oxide Nanocomposites. Advanced Materials, 2014, 26, 3063-3067.	21.0	69
8	Compositionally Modulated Magnetic Epitaxial Spinel/Perovskite Nanocomposite Thin Films. Advanced Functional Materials, 2014, 24, 2334-2342.	14.9	59
9	Integration of Self-Assembled Epitaxial BiFeO ₃ ∕CoFe ₂ O ₄ Multiferroic Nanocomposites on Silicon Substrates. Advanced Functional Materials, 2014, 24, 5889-5896.	14.9	47
10	Structural and Electrical Properties of Indium Doped ZnO Thin Films Fabricated by RF Magnetron Sputtering. Journal of the Electrochemical Society, 2007, 154, H939.	2.9	42
11	Low voltage operating InGaZnO ₄ thin film transistors using high- κ MgO∕Ba _{0.6} Sr _{0.4} TiO ₃ composite gate dielectric on plastic substrate. Applied Physics Letters, 2008, 93, .	3.3	41
12	Hierarchical Templating of a BiFeO ₃ ∕CoFe ₂ O ₄ Multiferroic Nanocomposite by a Triblock Terpolymer Film. ACS Nano, 2014, 8, 9248-9254.	14.6	40
13	Self-assembled multiferroic epitaxial BiFeO ₃ ∕CoFe ₂ O ₄ nanocomposite thin films grown by RF magnetron sputtering. Journal of Materials Chemistry C, 2018, 6, 5552-5561.	5.5	37
14	Self-assembled multiferroic perovskite∕spinel nanocomposite thin films: epitaxial growth, templating and integration on silicon. Journal of Materials Chemistry C, 2019, 7, 9128-9148.	5.5	35
15	Combinatorial Pulsed Laser Deposition of Fe, Cr, Mn, and Ni-Substituted SrTiO ₃ Films on Si Substrates. ACS Combinatorial Science, 2012, 14, 179-190.	3.8	30
16	Self-assembled growth and magnetic properties of a BiFeO ₃ -MgFe ₂ O ₄ nanocomposite prepared by pulsed laser deposition. Journal of Applied Physics, 2013, 113, 17B510.	2.5	23
17	Effect of sputtering conditions on the structure and magnetic properties of self-assembled BiFeO ₃ -CoFe ₂ O ₄ nanocomposite thin films. Journal of Magnetism and Magnetic Materials, 2019, 471, 116-123.	2.3	23
18	A Three Component Self-Assembled Epitaxial Nanocomposite Thin Film. Advanced Functional Materials, 2015, 25, 3091-3100.	14.9	20

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19	Ferromagnetism in single crystal and nanocomposite Sr(Ti,Fe)O ₃ epitaxial films. Journal of Materials Chemistry, 2011, 21, 10364.	6.7	19
20	Structural and electrical properties of Sb-doped p-type ZnO thin films fabricated by RF magnetron sputtering. Journal of Electroceramics, 2009, 22, 82-86.	2.0	17
21	Magnetostriction in epitaxial SrTi _{1-x} FexO ₃ perovskite films with x= 0.13 and 0.35. Journal of Physics Condensed Matter, 2013, 25, 026002.	1.8	17
22	Magnetic Phase Formation in Self-Assembled Epitaxial BiFeO ₃ ∕MgO and BiFeO ₃ ∕MgAl ₂ O ₄ Nanocomposite Films Grown by Combinatorial Pulsed Laser Deposition. ACS Applied Materials & Interfaces, 2016, 8, 2673-2679.	8.0	17
23	Pillar shape modulation in epitaxial BiFeO ₃ ∕CoFe ₂ O ₄ vertical nanocomposite films. APL Materials, 2014, 2, .	5.1	16
24	Magnetism and Faraday Rotation in Oxygen-Deficient Polycrystalline and Single-Crystal Iron-Substituted Strontium Titanate. Physical Review Applied, 2017, 7, .	3.8	16
25	Integration of sputter-deposited multiferroic CoFe ₂ O ₄ ∕BiFeO ₃ nanocomposites on conductive La _{0.7} Sr _{0.3} MnO ₃ electrodes. Nanotechnology, 2019, 30, 105601.	2.6	13
26	The role of deposition conditions on the structure and magnetic properties of SrTi _{1-x} FexO ₃ films. Journal of Applied Physics, 2012, 111, 07A918.	2.5	11
27	Strain-Induced Photocurrent Enhancement in Photodetectors Based on Nanometer-Thick ZnO Films on Flexible Polydimethylsiloxane Substrates. ACS Applied Nano Materials, 2020, 3, 10922-10930.	5.0	11
28	Enhancement of the magneto-optical performance of Sr(Ti _{0.6} GaxFe _{0.4})O ₃ perovskite films by Ga substitution. Applied Physics Letters, 2011, 98, 231909.	3.3	10
29	Spinel/perovskite cobaltite nanocomposites synthesized by combinatorial pulsed laser deposition. CrystEngComm, 2016, 18, 7745-7752.	2.6	9
30	Self-assembled growth of Sr(Ti,Fe)O ₃ ∕CoFe ₂ O ₄ magnetic nanocomposite thin films. Journal of Applied Physics, 2017, 121, 163902.	2.5	8
31	Magnetic property modulation in sputter-grown BaTiO ₃ ∕Y ₃ Fe ₅ O ₁₂ composite films. Ceramics International, 2021, 47, 7062-7068.	4.8	6
32	Structure and magnetic properties of spinel-perovskite nanocomposite thin films on SrTiO ₃ (111) substrates. Journal of Crystal Growth, 2016, 449, 62-66.	1.5	5
33	Magnetic property tuning of epitaxial spinel ferrite thin films by strain and composition modulation. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	5
34	Magnetic and Photoluminescent Coupling in SrTi _{0.87} Fe _{0.13} O ₃ ∕ZnO Vertical Nanocomposite Films. ACS Applied Materials & Interfaces, 2017, 9, 32359-32368.	8.0	5
35	Magnetic property modulation of sputter-grown BiFeO ₃ CoFe ₂ O ₄ nanocomposite thin films. Ceramics International, 2019, 45, 12182-12188.	4.8	5
36	Structure and magnetism of epitaxial SrTi _{0.78} Cu _{0.22} O ₃ films with mixed-valence Cu ions. Journal of Applied Physics, 2013, 114, .	2.5	4

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37	STRUCTURAL AND ELECTRICAL PROPERTIES OF HIGH TEMPERATURE DEPOSITED EPITAXIAL ZNO THIN FILM FABRICATED BY RF MAGNETRON SPUTTERING. <i>Integrated Ferroelectrics</i> , 2007, 95, 35-43.	0.7	3
38	STRUCTURAL AND ELECTRICAL PROPERTIES OF INDIUM DOPED ZNO THIN FILM ON 6H-SIC SUBSTRATE BY RF MAGNETRON SPUTTERING. <i>Integrated Ferroelectrics</i> , 2010, 112, 79-87.	0.7	2
39	Spinel-Perovskite Nanocomposite Thin Films on Various Substrates. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 3523-3527.	0.9	2
40	SrGa _{0.7} Co _{0.3} O ₃ perovskite-cobalt oxide-metal nanocomposite films: magnetic and optical properties. <i>Nanotechnology</i> , 2015, 26, 115701.	2.6	1
41	Self-assembled growth and magnetic properties of Fe and FeTiO ₃ core-shell nanocomposites. <i>Applied Surface Science</i> , 2022, 593, 153332.	6.1	1
42	Magneto-optical studies of SrGa _{0.7} Co _{0.3} O ₃ perovskite thin films with embedded cobalt nanoparticles. <i>Journal of Applied Physics</i> , 2015, 117, 17A746.	2.5	0
43	Electro-Optical Properties of Combined Dielectric Layers with BaTiO ₃ Thin Films Sputtered on BaTiO ₃ Thick Film. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11712-11714.	0.9	0