

Kwiyoung Lee

List of Publications by Year in descending order

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docs citations

53
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citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Boron Contents on Magnetic Properties of Fe-Co-B Thin Films. IEEE Transactions on Magnetics, 2004, 40, 2706-2708.	2.1	58
2	Development of FeCo-based thin films for gigahertz applications. IEEE Transactions on Magnetics, 2005, 41, 3259-3261.	2.1	57
3	Influence of cooling rate on iron loss behavior in 6.5wt% grain-oriented silicon steel. Journal of Magnetism and Magnetic Materials, 2014, 353, 76-81.	2.3	33
4	Characterization of as-synthesized FeCo magnetic nanoparticles by coprecipitation method. Journal of Applied Physics, 2013, 113, .	2.5	26
5	Magnetic and Microwave Properties of NiFe Nanowires Embedded in Anodized Aluminum Oxide (AAO) Templates. IEEE Transactions on Magnetics, 2010, 46, 420-423.	2.1	25
6	Anisotropic characteristics and improved magnetic performance of Ca ²⁺ /La ³⁺ -Co-substituted strontium hexaferrite nanomagnets. Scientific Reports, 2020, 10, 15929.	3.3	25
7	Effects of grain size and pressing speed on the deformation mode of commercially pure Ti during equal channel angular pressing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2003, 34, 1555-1558.	2.2	24
8	Synthesis of Samarium-Cobalt Sub-micron Fibers and Their Excellent Hard Magnetic Properties. Frontiers in Chemistry, 2018, 6, 18.	3.6	24
9	Near theoretical ultra-high magnetic performance of rare-earth nanomagnets via the synergetic combination of calcium-reduction and chemoselective dissolution. Scientific Reports, 2018, 8, 15656.	3.3	22
10	Effects of perpendicular anisotropy on the interlayer coupling in perpendicularly magnetized [Pd ²⁺ /Co] ⁿ /Cu ²⁺ /[Co ²⁺ /Pd] spin valves. Applied Physics Letters, 2008, 92, 062504.	3.3	21
11	Synthesis and Magnetic Properties of MnBi(LTP) Magnets With High-Energy Product. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	21
12	Synthesis and Characterizations of Surface-Coated Superparamagnetic Magnetite Nanoparticles. IEEE Transactions on Magnetics, 2010, 46, 443-446.	2.1	20
13	High frequency characteristics and soft magnetic properties of FeCoBN nanocrystalline films. Physica Status Solidi A, 2004, 201, 1777-1780.	1.7	19
14	The effects of Fe nano-powders on compaction behaviors and magnetic properties of SMCs. Journal of Magnetism and Magnetic Materials, 2019, 480, 33-39.	2.3	15
15	RF Conduction In-Line Noise Suppression Effects for Fe and NiFe Magnetic Nanocomposite. IEEE Transactions on Magnetics, 2008, 44, 3805-3808.	2.1	14
16	Phase- and Composition-Tunable Hard/Soft Magnetic Nanofibers for High-Performance Permanent Magnet. ACS Applied Nano Materials, 2020, 3, 3244-3251.	5.0	14
17	A new low carbon steel microstructure: Ultrafine ferrite grains with homogeneously distributed fine cementite particles. Metals and Materials International, 2001, 7, 431-435.	3.4	13
18	Observation of magnetic domain structures in epitaxial MnAs film on GaAs(001) with temperature hysteresis. Applied Physics Letters, 2011, 98, .	3.3	13

#	ARTICLE	IF	CITATIONS
19	Effects of Calcination Conditions on Magnetic Properties in Strontium Ferrite Synthesized by the Molten Salt Method. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	13
20	Analysis of effective permeability behaviors of magnetic hollow fibers filled in composite. Journal of Applied Physics, 2012, 111, 07E347.	2.5	12
21	Effect of Compositional Changes of Laves Phase Precipitate on Grain Boundary Embrittlement in Long-Term Annealed 9 Pct Cr Ferritic Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 4595-4603.	2.2	10
22	Deformation mechanisms of pure Ti during equal channel angular pressing. Metals and Materials International, 2002, 8, .	3.4	10
23	Magnetic permeability behaviors of FeCo micro hollow fiber composites. Electronic Materials Letters, 2015, 11, 782-787.	2.2	9
24	Deformation Mechanism of Severely Deformed CP-Titanium by Uniaxial Compression Test. Materials Transactions, 2008, 49, 38-40.	1.2	8
25	Stearic Acid Assisted Synthesis of LaAlO ₃ Nanopowder by Sol-Gel Self Propagation Process. Materials and Manufacturing Processes, 2010, 25, 679-683.	4.7	8
26	Magnetic Properties of Pure Iron Soft Magnetic Composites Coated by Manganese Phosphates. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	8
27	Synthesis and Ferromagnetic Properties of Magnetic Ink for Direct Printing. IEEE Transactions on Magnetics, 2011, 47, 3157-3159.	2.1	7
28	Development of an Anti-Corrosion Conductive Nano Carbon Coating Layer on Metal Bipolar Plates. Journal of Nanoscience and Nanotechnology, 2018, 18, 6278-6282.	0.9	7
29	Magnetic and morphological properties of Ca substituted M-type hexaferrite powders synthesized by the molten salt method. AIP Advances, 2021, 11, .	1.3	7
30	Direct observation of the spin configurations of vertical Bloch line. Applied Physics Letters, 2011, 98, .	3.3	5
31	Thickness-dependent magnetic domain structures in epitaxial FePd films. Journal of the Korean Physical Society, 2012, 60, 10-13.	0.7	5
32	Chemical synthesis of Nd ₂ Fe ₁₄ B/Fe-Co nanocomposite with high magnetic energy product. RSC Advances, 2021, 11, 32376-32382.	3.6	5
33	Synthesis and Magnetic Properties of Aligned Strontium Ferrites. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	4
34	Magnetic properties of Mn substituted strontium ferrite powders synthesized by the molten salt method. AIP Advances, 2020, 10, 015325.	1.3	4
35	One-Pot Synthesis and Large-Scale Production Strategies for Preparing Ultrafine Hard Magnetic Sm ₂ Fe ₁₇ N ₃ Nanoparticles. ACS Applied Nano Materials, 2022, 5, 176-182.	5.0	4
36	Nondestructive testing for metallic flaws using inductive coil sensor with circular typed single loop excitation coil. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 4083-4086.	1.8	3

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37	Hall effect-induced acceleration of electromigration failures in spin valve multilayers under magnetic field. Applied Physics Letters, 2011, 98, 162504.	3.3	3
38	Effect of Organic Fuel on High-Frequency Magnetic Properties of Fe-Al ₂ O ₃ Composite Powders Synthesized by a Combustion Method. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	3
39	Effect of Titanium Addition on High Temperature Workability of High Manganese Austenitic Steel. ISIJ International, 2018, 58, 535-541.	1.4	3
40	Effects of Ni Content on Reversible Deformation-Induced Martensitic Transformation of Fe-Mn-Cr-Si-Ni Alloy Under Uniaxial Deformation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 322-330.	2.2	3
41	Effect of equal channel angular pressing on structure and mechanical properties of a low carbon steel. Steel Research = Archiv für Das Eisenhüttenwesen, 2001, 72, 106-110.	0.3	2
42	Magnetic Properties and Morphologies of Synthesized Strontium Ferrite Powders by the Molten Salt Method. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	2
43	Changes in Microstructure and Magnetic Properties of Fe-B-Cu-C Ribbons According to Annealing Conditions. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	2
44	Magnetic Properties and Microstructures of Sm-Fe-Ti Alloys With ThMn ₁₂ Structure Prepared by Melt-Spinning Method. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	2
45	Effects of processing parameters on liquation cracking of 6005A alloy weldments. Metals and Materials International, 2000, 6, 395-399.	0.2	1
46	Microstructures and Corresponding Magnetic Properties of BaAl ₂ Fe ₁₀ O ₁₉ Nanopowders. IEEE Transactions on Magnetics, 2012, 48, 3174-3176.	2.1	1
47	High-Frequency Properties of Fe-4.5 Wt% Si Powders With an Insulating Layer Synthesized by a Modified Dew-Point Treatment. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	1
48	Magnetic properties of Fe-1.5wt% Si high-frequency powder cores. AIP Advances, 2019, 9, .	1.3	1
49	Characterization of Magnetic Properties of Low-Temperature Phase (LTP) Synthesized by Surfactant-Assisted Cryo-Milling Process in MnBi Binary System. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	1
50	Compositional Effect on the Magnetic and Microstructural Properties of Fe-Based Nano-Crystalline Alloys. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	1
51	RF integrated inductors with various slit patterns using CoFeBN soft magnetic film. , 2005, , .		0
52	Effects of Cu Addition on Magnetic Properties and Microstructures of Annealed Zr-Co-Cu-B Ribbons. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	0
53	Preparation of Anisotropic Sm-Co Particles Using Calcination Process and Addition of Ca(ac), H ₂ O. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	0