

Kwiyoung Lee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Preparation of Anisotropic Sm ²⁺ Co Particles Using Calcination Process and Addition of Ca(ac) ₂ ·xH ₂ O. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	0
3	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
4	Effects of Ni Content on Reversible Deformation-Induced Martensitic Transformation of Fe ²⁺ Mn ²⁺ Cr ³⁺ Si ⁴⁺ Ni Alloy Under Uniaxial Deformation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 322-330.	2.2	3
5	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
6	Magnetic Properties and Microstructures of Sm ²⁺ Fe ²⁺ Ti Alloys With ThMn ₁₂ Structure Prepared by Melt-Spinning Method. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	2
7	Magnetic and morphological properties of Ca substituted M-type hexaferrite powders synthesized by the molten salt method. AIP Advances, 2021, 11, .	1.3	7
8	Chemical synthesis of Nd ₂ Fe ₁₄ B/Fe ²⁺ Co nanocomposite with high magnetic energy product. RSC Advances, 2021, 11, 32376-32382.	3.6	5
9	Anisotropic characteristics and improved magnetic performance of Ca ²⁺ La ³⁺ Co-substituted strontium hexaferrite nanomagnets. Scientific Reports, 2020, 10, 15929.	3.3	25
10	Phase- and Composition-Tunable Hard/Soft Magnetic Nanofibers for High-Performance Permanent Magnet. ACS Applied Nano Materials, 2020, 3, 3244-3251.	5.0	14
11	Magnetic properties of Mn substituted strontium ferrite powders synthesized by the molten salt method. AIP Advances, 2020, 10, 015325.	1.3	4
12	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
13	Magnetic properties of Fe-1.5wt% Si high-frequency powder cores. AIP Advances, 2019, 9, .	1.3	1
14	Changes in Microstructure and Magnetic Properties of Fe ²⁺ B ³⁺ Cu ²⁺ C Ribbons According to Annealing Conditions. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	2
15	Effect of Titanium Addition on High Temperature Workability of High Manganese Austenitic Steel. ISIJ International, 2018, 58, 535-541.	1.4	3
16	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
17	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
18	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

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19	Synthesis of Samarium-Cobalt Sub-micron Fibers and Their Excellent Hard Magnetic Properties. <i>Frontiers in Chemistry</i> , 2018, 6, 18.	3.6	24
20	Development of an Anti-Corrosion Conductive Nano Carbon Coating Layer on Metal Bipolar Plates. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 6278-6282.	0.9	7
21	Magnetic Properties of Pure Iron Soft Magnetic Composites Coated by Manganese Phosphates. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	2.1	8
22	High-Frequency Properties of Fe-4.5 Wt% Si Powders With an Insulating Layer Synthesized by a Modified Dew-Point Treatment. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	2.1	1
23	Effects of Cu Addition on Magnetic Properties and Microstructures of Annealed Zr-Co-Cu-B Ribbons. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	2.1	0
24	Effects of Calcination Conditions on Magnetic Properties in Strontium Ferrite Synthesized by the Molten Salt Method. <i>IEEE Transactions on Magnetics</i> , 2016, 52, 1-4.	2.1	13
25	Effect of Organic Fuel on High-Frequency Magnetic Properties of Fe-Al ₂ O ₃ Composite Powders Synthesized by a Combustion Method. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	2.1	3
26	Magnetic permeability behaviors of FeCo micro hollow fiber composites. <i>Electronic Materials Letters</i> , 2015, 11, 782-787.	2.2	9
27	Synthesis and Magnetic Properties of MnBi(LTP) Magnets With High-Energy Product. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	21
28	Synthesis and Magnetic Properties of Aligned Strontium Ferrites. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	4
29	Influence of cooling rate on iron loss behavior in 6.5wt% grain-oriented silicon steel. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 353, 76-81.	2.3	33
30	Characterization of as-synthesized FeCo magnetic nanoparticles by coprecipitation method. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	26
31	Microstructures and Corresponding Magnetic Properties of BaAl ₂ Fe ₁₀ O ₁₉ Nanopowders. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 3174-3176.	2.1	1
32	Thickness-dependent magnetic domain structures in epitaxial FePd films. <i>Journal of the Korean Physical Society</i> , 2012, 60, 10-13.	0.7	5
33	Analysis of effective permeability behaviors of magnetic hollow fibers filled in composite. <i>Journal of Applied Physics</i> , 2012, 111, 07E347.	2.5	12
34	Synthesis and Ferromagnetic Properties of Magnetic Ink for Direct Printing. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 3157-3159.	2.1	7
35	Direct observation of the spin configurations of vertical Bloch line. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	5
36	Observation of magnetic domain structures in epitaxial MnAs film on GaAs(001) with temperature hysteresis. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	13

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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	Synthesis and Characterizations of Surface-Coated Superparamagnetic Magnetite Nanoparticles. IEEE Transactions on Magnetics, 2010, 46, 443-446.	2.1	20
39	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
40	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
41	RF Conduction In-Line Noise Suppression Effects for Fe and NiFe Magnetic Nanocomposite. IEEE Transactions on Magnetics, 2008, 44, 3805-3808.	2.1	14
42	Effects of perpendicular anisotropy on the interlayer coupling in perpendicularly magnetized [Pd/Co]/Cu/[Co/Pd] spin valves. Applied Physics Letters, 2008, 92, 062504.	3.3	21
43	Deformation Mechanism of Severely Deformed CP-Titanium by Uniaxial Compression Test. Materials Transactions, 2008, 49, 38-40.	1.2	8
44	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
45	Development of FeCo-based thin films for gigahertz applications. IEEE Transactions on Magnetics, 2005, 41, 3259-3261.	2.1	57
46	RF integrated inductors with various slit patterns using CoFeBN soft magnetic film. , 2005, , .		0
47	High frequency characteristics and soft magnetic properties of FeCoBN nanocrystalline films. Physica Status Solidi A, 2004, 201, 1777-1780.	1.7	19
48	Effects of Boron Contents on Magnetic Properties of Fe-Co-B Thin Films. IEEE Transactions on Magnetics, 2004, 40, 2706-2708.	2.1	58
49	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
50	Deformation mechanisms of pure Ti during equal channel angular pressing. Metals and Materials International, 2002, 8, .	3.4	10
51	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
52	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
53	Effects of processing parameters on liquation cracking of 6005A alloy weldments. Metals and Materials International, 2000, 6, 395-399.	0.2	1