

Myung-hwa Jung

List of Publications by Year in descending order

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76
papers

1,167
citations

471509

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414414

32
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80
all docs

80
docs citations

80
times ranked

2087
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferromagnetism in \hat{I}^2 -Ag ₂ Se topological semimetal. Journal of Alloys and Compounds, 2022, 891, 162025.	5.5	1
2	Possible permanent Dirac- to Weyl-semimetal phase transition by ion implantation. NPG Asia Materials, 2022, 14, .	7.9	4
3	Structural and magnetic properties of highly Fe-doped ZnO nanoparticles synthesized by one-step solution plasma process. Journal of Alloys and Compounds, 2021, 853, 157153.	5.5	16
4	Fine tuning of the magnetic properties in Mn ₃ -Co Ga Heusler films near the critical regime. Journal of Alloys and Compounds, 2021, 858, 158288.	5.5	1
5	Proximity-Induced Magnetism Enhancement Emerged in Chiral Magnet MnSi/Topological Insulator Bi ₂ Se ₃ Bilayer. Advanced Quantum Technologies, 2021, 4, 2000124.	3.9	5
6	Skyrmion Phase in MnSi Thin Films Grown on Sapphire by a Conventional Sputtering. Nanoscale Research Letters, 2021, 16, 7.	5.7	6
7	Suppressing antiferromagnetic coupling in rare-earth free ferromagnetic MnBi-Cu permanent magnet. Journal of Applied Physics, 2021, 129, .	2.5	4
8	Magnetic and structural phase transitions by annealing in tetragonal and cubic Mn ₃ Ga thin films. Journal of Alloys and Compounds, 2021, 869, 159346.	5.5	6
9	Orbit topology analyzed from π phase shift of magnetic quantum oscillations in three-dimensional Dirac semimetal. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	6
10	Upper Limit of Carbon Concentration in Ferromagnetic L1 ₀ -Ordered FePt-C for Tb/in \hat{A}^2 Data Storage Density Heat-Assisted Magnetic Recording Media. IEEE Transactions on Magnetics, 2021, 57, 1-6.	2.1	0
11	The Azimuthal Dependence of Exchange Bias Effect and its Analysis by Spin Glass Model in Ni _{0.8} /Fe _{0.2} /Co _x Ni _{1-x} O Bilayers. IEEE Access, 2021, 9, 21315-21322.	4.2	2
12	Functionalities enhancement by an anisotropic strain competition. Ferroelectrics, 2021, 583, 264-277.	0.6	0
13	Impact of Dark Excitons on the Population and Relaxation Kinetics of Two-Dimensional Biexcitons in [CH ₃ (CH ₂) ₃ NH ₃] ₂ Pb _{1-x} MnxBr ₄ (x = 0-0.09). Journal of the American Chemical Society, 2021, 143, 19785-19793.	13.7	1
14	Berry paramagnetism in the Dirac semimetal ZrTe ₅ . Communications Physics, 2021, 4, .	5.3	1
15	Emergence of the topological Hall effect in a tetragonal compensated ferrimagnet Mn _{2.3} Pd _{0.7} Ga. NPG Asia Materials, 2021, 13, .	7.9	3
16	Effect of antiferromagnetic order on topological electronic structure in Eu-substituted Bi ₂ Se ₃ single crystals. APL Materials, 2020, 8, 111108.	5.1	4
17	In-Depth Structural Characterization of 1T-VSe ₂ Single Crystals Grown by Chemical Vapor Transport. Crystal Growth and Design, 2020, 20, 2860-2865.	3.0	21
18	Current induced chiral domain wall motion in CuIr/CoFeB/MgO thin films with strong higher order spin-orbit torques. Applied Physics Letters, 2020, 116, .	3.3	5

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19	Signature of topological states in antiferromagnetic Sm-substituted Bi ₂ Te ₃ . Scientific Reports, 2020, 10, 9615.	3.3	3
20	Rare-earth-doped Bi ₂ X ₃ (X = Se, Te) as candidates for magnetic topological insulators. Philosophical Magazine, 2020, 100, 1258-1267.	1.6	4
21	Angle-resolved photoemission spectroscopy study of magnetic topological insulator candidates of Ce-doped Bi _{2-x} Ce _x Se ₃ . Applied Physics Letters, 2019, 115, 072404.	3.3	3
22	Structural, magnetic, and electrical properties of collinear antiferromagnetic heteroepitaxy cubic Mn ₃ Ga thin films. Applied Physics Letters, 2019, 115, .	3.3	13
23	Gradual phase transition from ferromagnetic tetragonal to antiferromagnetic cubic states in Mn Ga (1.80 Å × 3.03) thin films. Journal of Alloys and Compounds, 2019, 810, 151988.	5.5	5
24	Highly Reduced Saturation Magnetization in Epitaxially Grown Ferrimagnetic Heusler Thin Films. ACS Omega, 2019, 4, 16578-16584.	3.5	5
25	Long-range chiral exchange interaction in synthetic antiferromagnets. Nature Materials, 2019, 18, 703-708.	27.5	83
26	Observation of Restored Topological Surface States in Magnetically Doped Topological Insulator. Scientific Reports, 2019, 9, 1331.	3.3	17
27	Studying the reduction of graphene oxide with magnetic measurements. Carbon, 2019, 142, 373-378.	10.3	32
28	Photoemission and soft X-ray absorption spectroscopy study of Gd-substituted thermoelectric and topological Bi ₂ Te ₃ . Journal of Electron Spectroscopy and Related Phenomena, 2019, 230, 21-25.	1.7	3
29	Figure of merit of X-type hexaferrite (Ba ₂ Co ₂₈ O ₄₆) for mobile antenna applications. Microwave and Optical Technology Letters, 2018, 60, 795-799.		7
30	Facile solid-state synthesis of oxidation-resistant metal nanoparticles at ambient conditions. Solid State Sciences, 2018, 79, 38-47.	3.2	12
31	Emergence of non-Fermi-liquid type Weyl metals driven by doped magnetic impurities in spin-orbit coupled semiconductors. Physical Review B, 2018, 98, .	3.2	4
32	Gd doping effect in p-type Bi ₂ Te ₃ single crystals. AIP Advances, 2018, 8, 101319.	1.3	7
33	Electronic properties of GdBi _{2-x} Se ₃ single crystals analyzed by Shubnikov-de Haas oscillations. Applied Physics Letters, 2018, 112, .	3.3	9
34	Temperature Dependence of the Dielectric Response and Critical Point Energies of Bi _{1.85} Gd _{0.15} Te ₃ . Journal of Nanoscience and Nanotechnology, 2018, 18, 6321-6325.	0.9	0
35	Confined condensation synthesis and magnetic properties of layered copper hydroxide frameworks. Dalton Transactions, 2017, 46, 3363-3368.	3.3	3
36	Facile synthesis of fully ordered L10-FePt nanoparticles with controlled Pt-shell thicknesses for electrocatalysis. Nano Research, 2017, 10, 2866-2880.	10.4	24

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37	Exploring High-Energy Li(r)on Batteries and Capacitors with Conversion-Type Fe ₃ O ₄ -GO as the Negative Electrode. ChemElectroChem, 2017, 4, 2626-2633.	3.4	10
38	Role of top and bottom interfaces of a Pt/Co/AlOx system in Dzyaloshinskii-Moriya interaction, interface perpendicular magnetic anisotropy, and magneto-optical Kerr effect. AIP Advances, 2017, 7, .	1.3	26
39	Ferromagnetism in undoped ZnO nanostructures synthesized by solution plasma process. Current Applied Physics, 2017, 17, 181-185.	2.4	14
40	Correlation between the magnetic and thermoelectric properties in Mg ²⁺ Mn Si. Journal of Alloys and Compounds, 2017, 690, 51-56.	5.5	5
41	Thermoelectric Properties of a Single Crystalline Ag ₂ Te Nanowire. Journal of Nanomaterials, 2017, 2017, 1-5.	2.7	13
42	Electronic structures of MnB soft magnet. AIP Advances, 2016, 6, .	1.3	6
43	Perpendicular magnetic anisotropy properties of tetragonal Mn ₃ Ga films under various deposition conditions. Current Applied Physics, 2016, 16, 63-67.	2.4	12
44	Magnetic Transition to Antiferromagnetic Phase in Gadolinium Substituted Topological Insulator Bi ₂ Te ₃ . Scientific Reports, 2015, 5, 10309.	3.3	37
45	Oscillatory Interlayer Exchange Coupling in Amorphous CoSiB/Pt/CoSiB Structure. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	1
46	Exchange Bias Effect Determined by Anisotropic Magnetoresistance in CoxNi _{1-x} O/Ni _{0.8} Fe _{0.2} Bilayer System. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	1
47	Polarity-tunable magnetic tunnel junctions based on ferromagnetism at oxide heterointerfaces. Nature Communications, 2015, 6, 8035.	12.8	24
48	Fabrication and temperature-dependent magnetic properties of one-dimensional multilayer Au-Ni-Au nanowires. Journal of Solid State Chemistry, 2014, 210, 116-120.	2.9	10
49	Thermoelectric properties of Mn-doped Mg-Sb single crystals. Journal of Materials Chemistry A, 2014, 2, 12311-12316.	10.3	78
50	Spin-orbit torque in a bulk perpendicular magnetic anisotropy Pd/FePd/MgO system. Scientific Reports, 2014, 4, 6548.	3.3	59
51	Role of non-collinear polarizer layer in spin transfer torque switching processes. Journal of Applied Physics, 2013, 114, .	2.5	3
52	Effects of sputtering Ar gas pressure in the exchange stiffness constant of Co ₄₀ Fe ₄₀ B ₂₀ thin films. Journal of Magnetism and Magnetic Materials, 2013, 339, 36-39.	2.3	32
53	Dependence of the switching current density on the junction sizes in spin transfer torque. Journal of Applied Physics, 2013, 113, .	2.5	16
54	Time-dependent magnetization reversal in amorphous CoSiB/Pd multilayers with perpendicular magnetic anisotropy. Journal of Applied Physics, 2013, 113, .	2.5	7

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55	Fabrication and temperature-dependent magnetic properties of one-dimensional embedded nickel segment in gold nanowires. <i>Journal of Alloys and Compounds</i> , 2012, 541, 483-487.	5.5	10
56	Effect of oxidizing the ferromagnetic electrode in magnetic tunnel junctions on tunneling magnetoresistance. <i>Applied Physics Letters</i> , 2012, 100, 172406.	3.3	10
57	Ferromagnetism in ZnCoO due to Hydrogen-Mediated Co-H Co Complexes: How to Avoid the Formation of Co Metal Clusters?. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12196-12202.	3.1	13
58	Magnetotransport Properties and Kondo Effect Observed in a Ferromagnetic Single-Crystalline Fe ₅ Si Nanowire. <i>Chemistry - an Asian Journal</i> , 2012, 7, 406-411.	3.3	2
59	Single-crystal like mesoporous ZnO:Mn ²⁺ nanorings of high optoelectronic quality formed by self-assembly of nanoparticles in an ultrasonic hydrolysis process. <i>Nanoscale</i> , 2011, 3, 4962.	5.6	3
60	Giant magnetic flux jumps in single crystals of Ba _{0.6} K _{0.4} Fe ₂ As ₂ . <i>Applied Physics Letters</i> , 2011, 98, .	3.3	3
61	Magnetic properties of Mn and Co doped PbPdO ₂ . <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	21
62	Magnetic instability of MgB ₂ thin film triggered by the various sweeping rates of an applied magnetic field. <i>Journal of Applied Physics</i> , 2010, 107, 013902.	2.5	4
63	Saw-tooth pattern from flux jumps observed by high resolution M-H curves in MgB ₂ thin films. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	4
64	Fluctuation conductivity of single-crystalline BaFe _{1.8} Co _{0.2} As ₂ in the critical region. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	30
65	In situ fabrication of cobalt-doped SrFe ₂ As ₂ thin films by using pulsed laser deposition with excimer laser. <i>Applied Physics Letters</i> , 2009, 95, 062507.	3.3	40
66	Concurrent magnetic and metal-insulator transitions in Eu _{1-x} Sm _x B ₆ single crystals. <i>Applied Physics Letters</i> , 2009, 94, 042509.	3.3	2
67	Spin wave quantization in continuous film with stripe domains. <i>Journal of Applied Physics</i> , 2009, 105, 07D544.	2.5	10
68	Stability of Magnetic Domains With Notches in Permalloy Nanowires. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 2481-2484.	2.1	6
69	Room Temperature Ferromagnetism in Single-Crystalline Fe ₅ Si ₃ Nanowires. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6902-6905.	3.1	36
70	Cobalt nanofibers encapsulated in a graphite shell by an electrospinning process. <i>Journal of Materials Chemistry</i> , 2009, 19, 7371.	6.7	120
71	Giant Magnetic Moment of Oxygen-Free CuNi Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3201-3203.	0.9	2
72	Current- and Field-Driven Domain Wall Motion in L- and C-Shaped Permalloy Nanowires With Different Wire Widths. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 2527-2530.	2.1	6

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73	Single-Crystalline Ferromagnetic Fe _{1-x} Co _x Si Nanowires. Journal of Physical Chemistry C, 2008, 112, 4748-4752.	3.1	31
74	Structural and Magnetic Properties of Amorphous and Nanocrystalline CoFeSiB Thin Films. IEEE Nanotechnology Magazine, 2008, 7, 409-411.	2.0	4
75	Magnetic Properties of Single-Crystalline CoSi Nanowires. Nano Letters, 2007, 7, 1240-1245.	9.1	132
76	Hall effect and magnetoresistance of YbAl ₃ . Physica B: Condensed Matter, 2002, 312-313, 354-355.	2.7	2