

Young Keun Kim

List of Publications by Year in descending order

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174
papers

2,924
citations

218381

26
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214527

47
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178
all docs

178
docs citations

178
times ranked

4722
citing authors

#	ARTICLE	IF	CITATIONS
1	A multifunctional core-shell nanoparticle for dendritic cell-based cancer immunotherapy. <i>Nature Nanotechnology</i> , 2011, 6, 675-682.	15.6	470
2	A highly sensitive and selective diagnostic assay based on virus nanoparticles. <i>Nature Nanotechnology</i> , 2009, 4, 259-264.	15.6	158
3	Magnetic multi-granule nanoclusters: A model system that exhibits universal size effect of magnetic coercivity. <i>Scientific Reports</i> , 2015, 5, 12135.	1.6	143
4	Synthesis of streptavidin-FITC-conjugated core-shell Fe ₃ O ₄ -Au nanocrystals and their application for the purification of CD4+ lymphocytes. <i>Biomaterials</i> , 2008, 29, 4003-4011.	5.7	99
5	Iron-Gold Barcode Nanowires. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3663-3667.	7.2	94
6	Photosensitizer and vancomycin-conjugated novel multifunctional magnetic particles as photoinactivation agents for selective killing of pathogenic bacteria. <i>Chemical Communications</i> , 2012, 48, 4591.	2.2	74
7	Effect of the magnetic core size of amino-functionalized Fe ₃ O ₄ -mesoporous SiO ₂ core-shell nanoparticles on the removal of heavy metal ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 531, 133-140.	2.3	67
8	Isolation of DNA using magnetic nanoparticles coated with dimercaptosuccinic acid. <i>Analytical Biochemistry</i> , 2014, 447, 114-118.	1.1	60
9	Switching behavior of indium selenide-based phase-change memory cell. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 1034-1036.	1.2	53
10	Tocopheryl oligochitosan-based self assembling oligomersomes for siRNA delivery. <i>Biomaterials</i> , 2011, 32, 849-857.	5.7	50
11	Tunable synthesis and multifunctionalities of Fe ₃ O ₄ -ZnO hybrid core-shell nanocrystals. <i>Materials Research Bulletin</i> , 2013, 48, 551-558.	2.7	45
12	Magnetic and optical properties of monosized Eu-doped ZnO nanocrystals from nanoemulsion. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	36
13	Application of ZnO-Based Nanocomposites for Vaccines and Cancer Immunotherapy. <i>Pharmaceutics</i> , 2019, 11, 493.	2.0	35
14	Effect of Zr concentration on the microstructure of Al and the magnetoresistance properties of the magnetic tunnel junction with a Zr-alloyed Al-oxide barrier. <i>Applied Physics Letters</i> , 2003, 83, 317-319.	1.5	33
15	Solid-state phase transformation mechanism for formation of magnetic multi-granule nanoclusters. <i>RSC Advances</i> , 2013, 3, 3631.	1.7	32
16	MnO ₂ Nanowire-CeO ₂ Nanoparticle Composite Catalysts for the Selective Catalytic Reduction of NO _x with NH ₃ . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32112-32119.	4.0	32
17	<i>In Situ</i> Magnetic Control of Macroscale Nanoligand Density Regulates the Adhesion and Differentiation of Stem Cells. <i>Nano Letters</i> , 2020, 20, 4188-4196.	4.5	32
18	Remote Control of Time-Regulated Stretching of Ligand-Presenting Nanocoils <i>In Situ</i> Regulates the Cyclic Adhesion and Differentiation of Stem Cells. <i>Advanced Materials</i> , 2021, 33, e2008353.	11.1	31

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19	Independent Tuning of Nano-Ligand Frequency and Sequences Regulates the Adhesion and Differentiation of Stem Cells. <i>Advanced Materials</i> , 2020, 32, 2004300.	11.1	30
20	Heat-Generating Iron Oxide Multigranule Nanoclusters for Enhancing Hyperthermic Efficacy in Tumor Treatment. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33483-33491.	4.0	30
21	Self-assembly of fluorescent and magnetic Fe ₃ O ₄ @coordination polymer nanochains. <i>Chemical Communications</i> , 2014, 50, 7617.	2.2	29
22	Functional Manipulation of Dendritic Cells by Photoswitchable Generation of Intracellular Reactive Oxygen Species. <i>ACS Chemical Biology</i> , 2015, 10, 757-765.	1.6	29
23	Generation of protective immunity against <i>Orientia tsutsugamushi</i> infection by immunization with a zinc oxide nanoparticle combined with ScaA antigen. <i>Journal of Nanobiotechnology</i> , 2016, 14, 76.	4.2	29
24	Role of the Heavy Metal's Crystal Phase in Oscillations of Perpendicular Magnetic Anisotropy and the Interfacial Dzyaloshinskii-Moriya Interaction in $W_{1-x}Co_x$ Fe ₂ O ₄ Films. <i>Physical Review Applied</i> , 2018, 9, .	1.5	29
25	Application of radially grown ZnO nanowires on poly-L-lactide microfibers complexed with a tumor antigen for cancer immunotherapy. <i>Nanoscale</i> , 2019, 11, 4591-4600.	2.8	29
26	Enhancement of perpendicular magnetic anisotropy and Dzyaloshinskii-Moriya interaction in thin ferromagnetic films by atomic-scale modulation of interfaces. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	28
27	Thermal stability of spin-valves incorporating amorphous CoNbZr under and capping layers. <i>Journal of Applied Physics</i> , 2002, 91, 8581.	1.1	25
28	Effects of notch shape on the magnetic domain wall motion in nanowires with in-plane or perpendicular magnetic anisotropy. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	25
29	Metallic Fe-Au Barcode Nanowires as a Simultaneous T Cell Capturing and Cytokine Sensing Platform for Immunoassay at the Single-Cell Level. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23901-23908.	4.0	25
30	Ni-Au core-shell nanowires: synthesis, microstructures, biofunctionalization, and the toxicological effects on pancreatic cancer cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 12089.	6.7	24
31	One-pot synthesis and characterization of bifunctional Au-Fe ₃ O ₄ hybrid core-shell nanoparticles. <i>Journal of Alloys and Compounds</i> , 2012, 537, 60-64.	2.8	24
32	Synthesis, microstructure, and magnetic properties of monosized Mn _x Zn _y Fe _{3-x-y} O ₄ ferrite nanocrystals. <i>Nanoscale Research Letters</i> , 2013, 8, 530.	3.1	24
33	Efficient intracellular delivery of biomacromolecules employing clusters of zinc oxide nanowires. <i>Nanoscale</i> , 2017, 9, 15371-15378.	2.8	24
34	Strategy to control magnetic coercivity by elucidating crystallization pathway-dependent microstructural evolution of magnetite mesocrystals. <i>Nature Communications</i> , 2020, 11, 298.	5.8	24
35	The toxicity and distribution of iron oxide-zinc oxide core-shell nanoparticles in C57BL/6 mice after repeated subcutaneous administration. <i>Journal of Applied Toxicology</i> , 2015, 35, 593-602.	1.4	22
36	Magnetic Control and Real-Time Monitoring of Stem Cell Differentiation by the Ligand Nanoassembly. <i>Small</i> , 2021, 17, e2102892.	5.2	22

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37	Effect of interparticle interactions and size dispersion in magnetic nanoparticle assemblies: A static and dynamic study. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	21
38	Ultrahigh Tensile Strength Nanowires with a Ni/Ni ²⁺ /Au Multilayer Nanocrystalline Structure. <i>Nano Letters</i> , 2016, 16, 3500-3506.	4.5	21
39	Large and Externally Positioned Ligand-Coated Nanopatches Facilitate the Adhesion-Dependent Regenerative Polarization of Host Macrophages. <i>Nano Letters</i> , 2020, 20, 7272-7280.	4.5	21
40	Design of Magnetic Plasmonic Nanoparticle Assemblies via Interface Engineering of Plasmonic Shells for Targeted Cancer Cell Imaging and Separation. <i>Small</i> , 2020, 16, e2001103.	5.2	20
41	Fluorescent detection of dipicolinic acid as a biomarker in bacterial spores employing terbium ion-coordinated magnetite nanoparticles. <i>Journal of Hazardous Materials</i> , 2021, 408, 124870.	6.5	19
42	Immunoregulation of Macrophages by Controlling Winding and Unwinding of Nanohelical Ligands. <i>Advanced Functional Materials</i> , 2021, 31, 2103409.	7.8	19
43	Compositional Dependence of Magnetic Properties in CoFe/Au Nanobarcodes. <i>Applied Physics Express</i> , 2012, 5, 103003.	1.1	18
44	Structural and magnetic properties of epitaxial Co ₂ FeAl films grown on MgO substrates for different growth temperatures. <i>Acta Materialia</i> , 2012, 60, 6714-6719.	3.8	18
45	Magnetic NiFe/Au barcode nanowires with self-powered motion. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	17
46	Synthesis, microstructure, and physical properties of metallic barcode nanowires. <i>Metals and Materials International</i> , 2017, 23, 413-425.	1.8	17
47	Magnetization reversal of ferromagnetic nanosprings affected by helical shape. <i>Nanoscale</i> , 2018, 10, 20405-20413.	2.8	17
48	Magnetic Direct-Write Skyrmion Nanolithography. <i>ACS Nano</i> , 2020, 14, 14960-14970.	7.3	17
49	Effect of compositional variation on the soft magnetic properties of Fe _{87-x} Co _x Ti ₇ Zr ₆ By amorphous ribbons. <i>Current Applied Physics</i> , 2014, 14, 685-687.	1.1	15
50	Microstructural evolution and electrical resistivity of nanocrystalline W thin films grown by sputtering. <i>Materials Characterization</i> , 2018, 145, 473-478.	1.9	15
51	Remote Switching of Elastic Movement of Decorated Ligand Nanostructures Controls the Adhesion-Regulated Polarization of Host Macrophages. <i>Advanced Functional Materials</i> , 2021, 31, 2008698.	7.8	15
52	The pH dependence of Co-Cu alloy thin films fabricated on amorphous substrate by DC electrodeposition. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 930-932.	1.2	14
53	Magnetically driven spinning nanowires as effective materials for eradicating living cells. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	14
54	Morphology and electrical properties of high aspect ratio ZnO nanowires grown by hydrothermal method without repeated batch process. <i>Applied Physics Letters</i> , 2012, 101, 083905.	1.5	14

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55	Spin-Orbit Torque Driven Magnetization Switching and Precession by Manipulating Thickness of CoFeB/W Heterostructures. <i>Advanced Electronic Materials</i> , 2020, 6, 1901004.	2.6	14
56	Non-aqueous synthesis of water-dispersible Fe ₃ O ₄ @Ca ₃ (PO ₄) ₂ core-shell nanoparticles. <i>Nanotechnology</i> , 2011, 22, 055701.	1.3	13
57	Spontaneous nucleation and topological stabilization of skyrmions in magnetic nanodisks with the interfacial Dzyaloshinskii-Moriya interaction. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 429, 221-226.	1.0	13
58	Radio frequency-mediated local thermotherapy for destruction of pancreatic tumors using Ni-Au core-shell nanowires. <i>Nanotechnology</i> , 2017, 28, 03LT01.	1.3	13
59	Composition-driven crystal structure transformation and magnetic properties of electrodeposited Co-W alloy nanowires. <i>Journal of Alloys and Compounds</i> , 2020, 843, 155902.	2.8	13
60	Submolecular Ligand Size and Spacing for Cell Adhesion. <i>Advanced Materials</i> , 2022, 34, e2110340.	11.1	13
61	Synthesis and Characterization of $\{m \text{ Fe-FeO} \}_x$ Core-Shell Nanowires. <i>IEEE Transactions on Magnetism</i> , 2008, 44, 3950-3953.	1.2	12
62	Current fluctuation of electron and hole carriers in multilayer WSe ₂ field effect transistors. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	12
63	Interlayer diffusion and specularity aspects of amorphous CoNbZr-based spin-valves. <i>IEEE Transactions on Magnetism</i> , 2002, 38, 2685-2687.	1.2	11
64	Synthesis and microwave properties of highly permeable FeCo-based nanoalloys. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 4087-4090.	0.8	11
65	Nonaqueous synthesis and magnetic properties of ZnFe ₂ O ₄ nanocrystals with narrow size distributions. <i>Journal of Applied Physics</i> , 2011, 109, 07B511.	1.1	11
66	Synthesis and Characterization of Magnetic Luminescent Fe ₃ O ₄ @CdSe Core-Shell Nanocrystals. <i>Electronic Materials Letters</i> , 2019, 15, 102-110.	1.0	11
67	Thickness and composition-dependent spin-orbit torque behaviors in perpendicularly magnetized Ta/W (t)/CoFeB and Ta ₁ -W/CoFeB junction structures. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153744.	2.8	11
68	Highly-sensitive magnetic sensor for detecting magnetic nanoparticles based on magnetic tunnel junctions at a low static field. <i>AIP Advances</i> , 2021, 11, .	0.6	11
69	Zinc Oxide Nanospicules on Polylactic Acid for Superhydrophilic and Bactericidal Surfaces. <i>Advanced Functional Materials</i> , 2021, 31, 2100844.	7.8	11
70	Spin-orbit torque engineering in \hat{I}^2 -W/CoFeB heterostructures with W-Ta or W-V alloy layers between \hat{I}^2 -W and CoFeB. <i>NPG Asia Materials</i> , 2021, 13, .	3.8	11
71	Receptor-Level Proximity and Fastening of Ligands Modulates Stem Cell Differentiation. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	11
72	Characteristics of magnetic tunnel junctions consisting of amorphous CoNbZr layers. <i>Journal of Applied Physics</i> , 2003, 93, 8361-8363.	1.1	10

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73	Optimization of Ru intermediate layer in CoCr-based perpendicular magnetic recording media. <i>Physica Status Solidi A</i> , 2004, 201, 1763-1766.	1.7	10
74	Spin wave quantization in continuous film with stripe domains. <i>Journal of Applied Physics</i> , 2009, 105, 07D544.	1.1	10
75	Optimization of Fe/Co ratio in Fe (87-x-y) Co x Ti 7 Zr 6 B y alloys for high saturation magnetization. <i>Current Applied Physics</i> , 2016, 16, 515-519.	1.1	10
76	Synthesis of Co nanotubes by nanoporous template-assisted electrodeposition via the incorporation of vanadyl ions. <i>Chemical Communications</i> , 2017, 53, 1825-1828.	2.2	10
77	Properties of a rare earth free L10-FeNi hard magnet developed through annealing of FeNiPC amorphous ribbons. <i>Current Applied Physics</i> , 2019, 19, 599-605.	1.1	10
78	Surface-ligand-induced crystallographic disorder→order transition in oriented attachment for the tuneable assembly of mesocrystals. <i>Nature Communications</i> , 2022, 13, 1144.	5.8	10
79	Labeling of macrophage cell using biocompatible magnetic nanoparticles. <i>Journal of Applied Physics</i> , 2011, 109, 07B309.	1.1	9
80	Dimensional Dependence of Magnetic Properties in Arrays of CoFe/Au Barcode Nanowire. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 3929-3932.	1.2	9
81	Synthesis and magnetic properties of size-tunable $Mn_xFe_{3-x}O_4$ ferrite nanoclusters. <i>Journal of Applied Physics</i> , 2014, 115, 17B517.	1.1	9
82	Multi-Component Mesocrystalline Nanoparticles with Enhanced Photocatalytic Activity. <i>Small</i> , 2020, 16, e2004696.	5.2	9
83	Large reduction in switching current driven by spin-orbit torque in W/CoFeB heterostructures with W ϵ N interfacial layers. <i>Acta Materialia</i> , 2020, 200, 551-558.	3.8	9
84	Design of recessed yoke heads for minimizing adjacent track encroachment. <i>IEEE Transactions on Magnetics</i> , 2000, 36, 2524-2526.	1.2	8
85	Fabrication of suspended single-walled carbon nanotubes via a direct lithographic route. <i>Journal of Materials Chemistry</i> , 2006, 16, 174-178.	6.7	8
86	Immunochromatographic Assay of Hepatitis B Surface Antigen Using Magnetic Nanoparticles as Signal Materials. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	8
87	Photonic Reactions Leading to Fluorescence in a Polymeric System Induced by the Photothermal Effect of Magnetite Nanoparticles Using a 780 nm Multiphoton Laser. <i>Small</i> , 2017, 13, 1700897.	5.2	8
88	Magnetic Anisotropy Evolution in CoFe/Au Barcode Nanowire Arrays. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	7
89	Magnetic vortex state and multi-domain pattern in electrodeposited hemispherical nanogranular nickel films. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 371, 149-156.	1.0	7
90	Fabrication of planar and curved polyimide membranes with a pattern transfer method using ZnO nanowire arrays as templates. <i>Materials Letters</i> , 2015, 149, 109-112.	1.3	7

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91	Eradication of <i>Plasmodium falciparum</i> from Erythrocytes by Controlled Reactive Oxygen Species via Photodynamic Inactivation Coupled with Photofunctional Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12975-12981.	4.0	7
92	Assessment of Cellular Uptake Efficiency According to Multiple Inhibitors of Fe ₃ O ₄ -Au Core-Shell Nanoparticles: Possibility to Control Specific Endocytosis in Colorectal Cancer Cells. <i>Nanoscale Research Letters</i> , 2020, 15, 165.	3.1	7
93	Chemical Vapor Synthesis of Nonagglomerated Nickel Nanoparticles by In-Flight Coating. <i>ACS Omega</i> , 2021, 6, 27842-27850.	1.6	7
94	Magnetoresistance Variation of Magnetic Tunnel Junctions with NiFeSiB/CoFeB Free Layers Depending on MgO Tunnel Barrier Thickness. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 2547-2550.	1.2	6
95	Microstructural Changes of Epitaxial Fe/MgO Layers Grown on InAs(001) Substrates. <i>Crystal Growth and Design</i> , 2011, 11, 2889-2896.	1.4	6
96	Microstructure and Magnetic Properties of LaSrMnO Nanoparticles and Their Application to Cardiac Immunoassay. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	1.2	6
97	White-light-emitting magnetite nanoparticle-polymer composites: photonic reactions of magnetic multi-granule nanoclusters as photothermal agents. <i>Nanoscale</i> , 2016, 8, 17136-17140.	2.8	6
98	Annealing effect on the magnetic properties of cobalt-based amorphous alloys. <i>Current Applied Physics</i> , 2017, 17, 548-551.	1.1	6
99	Magnetically soft FeCoTiZrB alloys with high saturation magnetization. <i>Intermetallics</i> , 2017, 90, 164-168.	1.8	6
100	Quantitative Analysis on Cellular Uptake of Clustered Ferrite Magnetic Nanoparticles. <i>Electronic Materials Letters</i> , 2019, 15, 471-480.	1.0	6
101	Association between Cell Microenvironment Altered by Gold Nanowire Array and Regulation of Partial Epithelial-Mesenchymal Transition. <i>Advanced Functional Materials</i> , 2021, 31, 2008758.	7.8	6
102	Current aspects and future perspectives of high-density MRAM. <i>Physica Status Solidi A</i> , 2004, 201, 1617-1620.	1.7	5
103	Influence of freelay in magnetic tunnel junction on switching of submicrometer magnetoresistive random access memory arrays. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 883-886.	1.2	5
104	Control of magnetic behavior in Fe ₃ O ₄ nanostructures. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 3304-3306.	1.2	5
105	Electrochemical preparation of Co ₃ Pt nanowires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 4158-4161.	0.8	5
106	Giant Diamagnetism in AuFe Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 2442-2445.	1.2	5
107	Synthesis and Magnetic Properties of Multifunctional Fe ₃ O ₄ -AuPt Core-Shell Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 4041-4044.	1.2	5
108	Fabrication of Multifunctional Au Doped CoPt Nanowires. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 2471-2474.	1.2	5

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109	Fabrication and characterization of RF nanoantenna on a nanoliter-scale 3D microcontainer. <i>Nanotechnology</i> , 2011, 22, 455303.	1.3	5
110	Size-dependent changeover in magnetization reversal mode of self-assembled one-dimensional chains of spherical Fe ₃ O ₄ nanoparticles. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 100303.	0.8	5
111	Formation of high aspect ratio fused silica nanowalls by fluorine-based deep reactive ion etching. <i>Nano Structures Nano Objects</i> , 2018, 15, 212-215.	1.9	5
112	Microwave absorption properties of magnetite multi-granule nanoclusterâ€“multiwall carbon nanotube composites. <i>Functional Materials Letters</i> , 2019, 12, 1950011.	0.7	5
113	Rudermanâ€“Kittelâ€“Kasuyaâ€“Yosida-type interfacial Dzyaloshinskiiâ€“Moriya interaction in heavy metal/ferromagnet heterostructures. <i>Nature Communications</i> , 2021, 12, 3280.	5.8	5
114	Electrical resistivity evolution in electrodeposited Ru and Ru-Co nanowires. <i>Journal of Materials Science and Technology</i> , 2022, 105, 17-25.	5.6	5
115	High-frequency noise absorbing properties of nickel nanowire arrays prepared by DC electrodeposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 4025-4028.	0.8	4
116	Structural and Magnetic Properties of Amorphous and Nanocrystalline CoFeSiB Thin Films. <i>IEEE Nanotechnology Magazine</i> , 2008, 7, 409-411.	1.1	4
117	Transport Properties of Magnetic Tunnel Junctions Comprising NiFeSiB/CoFeB Hybrid Free Layers. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 2364-2366.	1.2	4
118	Effects of Co addition on magneto-transport properties of magnetic tunnel junction consisting of CoFeB or CoFeSiB free layer. <i>Journal of Applied Physics</i> , 2011, 109, 07D346.	1.1	4
119	Control of Magnetic Domains in Co/Pd Multilayered Nanowires with Perpendicular Magnetic Anisotropy. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 428-432.	0.9	4
120	Growth behavior and field emission property of ZnO nanowire arrays on Au and Ag films. <i>AIP Advances</i> , 2013, 3, .	0.6	4
121	Synthesis of Fe Doped ZnO Nanowire Arrays that Detect Formaldehyde Gas. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 4814-4819.	0.9	4
122	Spinâ€“orbit torques in normal metal/Nb/ferromagnet heterostructures. <i>Scientific Reports</i> , 2021, 11, 21081.	1.6	4
123	Engineering the shape of one-dimensional metallic nanostructures via nanopore electrochemistry. <i>Nano Today</i> , 2022, 42, 101348.	6.2	4
124	Variation of spin-orbit torque and spin transport properties by V alloying in Î²-W-based magnetic heterostructures. <i>Scripta Materialia</i> , 2022, 211, 114486.	2.6	4
125	Thermal and Mn diffusion behaviors of CoNbZr-based spin valves with nano oxide layers. <i>IEEE Transactions on Magnetics</i> , 2003, 39, 2824-2826.	1.2	3
126	Experimental and Simulation Study to Identify Current-Confined Path in Cuâ€“Al Space Layer for CPP-GMR Spin-Valve Applications. <i>IEEE Transactions on Magnetics</i> , 2006, 42, 2633-2635.	1.2	3

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127	Synthesis and magnetic properties of multifunctional CoPtAu nanoparticles. Journal of Applied Physics, 2009, 105, 07B527.	1.1	3
128	Gate-Controlled Spin-Orbit Coupling in InAs/InGaAs Quantum Well Structures. Journal of Nanoscience and Nanotechnology, 2014, 14, 5212-5215.	0.9	3
129	Catalytic activity of vanadium oxide catalysts prepared by electrodeposition for the selective catalytic reduction of nitrogen oxides with ammonia. Reaction Kinetics, Mechanisms and Catalysis, 2016, 118, 633-641.	0.8	3
130	Microstructure and Magnetic Properties of CoFe Nanowires and Helical Nanosprings. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	3
131	Exchange anisotropy and thermal stability of Mn-Ir-Pt exchange-biased layers. IEEE Transactions on Magnetics, 2000, 36, 2569-2571.	1.2	2
132	Magnetic tunnel junctions stabilized by modified synthetic antiferromagnets. Physica Status Solidi A, 2004, 201, 1676-1679.	1.7	2
133	Domain wall configuration and magneto-transport properties in dual spin-valve with nanoconstriction. Applied Physics Letters, 2012, 100, 242409.	1.5	2
134	Magnetic Nanodiscs Fabricated from Multilayered Nanowires. Journal of Nanoscience and Nanotechnology, 2014, 14, 7923-7928.	0.9	2
135	Functionalization of 3D printed microcontainers with Ni@Au core-shell nanowires. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600887.	0.8	2
136	Crystallographic Orientation and Microstructure-Dependent Magnetic Behaviors in Arrays of Ni Nanowires. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	2
137	Enhancing current-induced torques by abutting additional spin polarizer layer to nonmagnetic metal layer. Scientific Reports, 2017, 7, 45669.	1.6	2
138	Interfacial Perpendicular Magnetic Anisotropy in Magnetic Tunnel Junctions Comprising CoFeB with FeNiSiB Layers. Electronic Materials Letters, 2020, 16, 35-40.	1.0	2
139	Structural and magnetoresistance characteristics of CoFe/Ag/NiFe/Ag composite discontinuous multilayers. Applied Physics Letters, 2000, 77, 4199-4201.	1.5	1
140	Effect of plasma oxidation time and annealing condition on the temperature dependence of tunneling magnetoresistance. Metals and Materials International, 2003, 9, 57-59.	1.8	1
141	Analysis on giant magnetoresistive characteristics of synthetic antiferromagnet-based spin valves with modified pinned layers. IEEE Transactions on Magnetics, 2003, 39, 2399-2401.	1.2	1
142	Soft magnetic properties of sub 10 nm NiFe and Co films encapsulated with Ta or Cu. Physica Status Solidi A, 2004, 201, 1859-1861.	1.7	1
143	Growth and Magnetic Properties of CoPtAu Nanowires. IEEE Transactions on Magnetics, 2008, 44, 2726-2729.	1.2	1
144	Observation of Suppressed Interdiffusion in FeRh/FePt-Ta Bilayer Thin Films. IEEE Transactions on Magnetics, 2010, 46, 2104-2107.	1.2	1

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145	Magnetic domain wall motion by current injection in CoPt nanowires consisting of notches. Solid State Communications, 2012, 152, 1004-1007.	0.9	1
146	Dynamic Microcontainers as Microvacuums for Collecting Nanomaterials After Clinical Treatments. IEEE Transactions on Magnetics, 2013, 49, 3464-3467.	1.2	1
147	ZnO-Ag Composite Nanocrystals from Nanoemulsion: Synthesis, Magnetic, and Optical Properties. Applied Physics Express, 2013, 6, 063005.	1.1	1
148	Phase dependent magnetic properties of Ni-Au alloy nanowires. Materials Letters, 2014, 116, 86-90.	1.3	1
149	Efficiency of genomic DNA extraction dependent on the size of magnetic nanoclusters. Journal of Applied Physics, 2014, 115, 17B512.	1.1	1
150	Localized electroporation effect on adherent cells in modified electric cell-substrate impedance sensing circuits. Applied Physics Express, 2016, 9, 107001.	1.1	1
151	Magnetic Particle Spectrometry of Fe ₃ O ₄ Multi-Granule Nanoclusters. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	1
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