

Young Keun Kim

List of Publications by Year in descending order

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174
papers

2,924
citations

218381

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178
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178
docs citations

178
times ranked

4722
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Engineering the shape of one-dimensional metallic nanostructures via nanopore electrochemistry. <i>Nano Today</i> , 2022, 42, 101348.	6.2	4
3	Variation of spin-orbit torque and spin transport properties by V alloying in \hat{I}^2 -W-based magnetic heterostructures. <i>Scripta Materialia</i> , 2022, 211, 114486.	2.6	4
4	Surface-ligand-induced crystallographic disorder \hat{I}^2 order transition in oriented attachment for the tuneable assembly of mesocrystals. <i>Nature Communications</i> , 2022, 13, 1144.	5.8	10
5	Receptor \hat{I}^2 Level Proximity and Fastening of Ligands Modulates Stem Cell Differentiation. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	11
6	Submolecular Ligand Size and Spacing for Cell Adhesion. <i>Advanced Materials</i> , 2022, 34, e21110340.	11.1	13
7	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
8	Association between Cell Microenvironment Altered by Gold Nanowire Array and Regulation of Partial Epithelial \hat{I}^2 Mesenchymal Transition. <i>Advanced Functional Materials</i> , 2021, 31, 2008758.	7.8	6
9	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
10	Remote Switching of Elastic Movement of Decorated Ligand Nanostructures Controls the Adhesion \hat{I}^2 Regulated Polarization of Host Macrophages. <i>Advanced Functional Materials</i> , 2021, 31, 2008698.	7.8	15
11	Remote Control of Time \hat{I}^2 Regulated Stretching of Ligand \hat{I}^2 Presenting Nanocoils In Situ Regulates the Cyclic Adhesion and Differentiation of Stem Cells. <i>Advanced Materials</i> , 2021, 33, e2008353.	11.1	31
12	Magnetic Nanocoils: Remote Control of Time \hat{I}^2 Regulated Stretching of Ligand \hat{I}^2 Presenting Nanocoils In Situ Regulates the Cyclic Adhesion and Differentiation of Stem Cells (Adv. Mater. 11/2021). <i>Advanced Materials</i> , 2021, 33, 2170084.	11.1	0
13	Zinc Oxide Nano \hat{I}^2 Spicules on Polylactic Acid for Super \hat{I}^2 Hydrophilic and Bactericidal Surfaces. <i>Advanced Functional Materials</i> , 2021, 31, 2100844.	7.8	11
14	Ruderman \hat{I}^2 Kittel \hat{I}^2 Kasuya \hat{I}^2 Yosida-type interfacial Dzyaloshinskii \hat{I}^2 Moriya interaction in heavy metal/ferromagnet heterostructures. <i>Nature Communications</i> , 2021, 12, 3280.	5.8	5
15	Immunoregulation of Macrophages by Controlling Winding and Unwinding of Nanohelical Ligands. <i>Advanced Functional Materials</i> , 2021, 31, 2103409.	7.8	19
16	Spin \hat{I}^2 orbit torque engineering in \hat{I}^2 -W/CoFeB heterostructures with W \hat{I}^2 Ta or W \hat{I}^2 V alloy layers between \hat{I}^2 -W and CoFeB. <i>NPG Asia Materials</i> , 2021, 13, .	3.8	11
17	Magnetic Control and Real \hat{I}^2 Time Monitoring of Stem Cell Differentiation by the Ligand Nanoassembly. <i>Small</i> , 2021, 17, e2102892.	5.2	22
18	Zinc Oxide Nano \hat{I}^2 Spicules on Polylactic Acid for Super \hat{I}^2 Hydrophilic and Bactericidal Surfaces (Adv.)	7.8	11

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19	Inorganic Hollow Nanocoils Fabricated by Controlled Interfacial Reaction and Their Electrocatalytic Properties. <i>Small</i> , 2021, 17, e2103575.	5.2	1
20	Chemical Vapor Synthesis of Nonagglomerated Nickel Nanoparticles by In-Flight Coating. <i>ACS Omega</i> , 2021, 6, 27842-27850.	1.6	7
21	Spin-orbit torques in normal metal/Nb/ferromagnet heterostructures. <i>Scientific Reports</i> , 2021, 11, 21081.	1.6	4
22	Interfacial Perpendicular Magnetic Anisotropy in Magnetic Tunnel Junctions Comprising CoFeB with FeNiSiB Layers. <i>Electronic Materials Letters</i> , 2020, 16, 35-40.	1.0	2
23	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
24	Multi-Component Mesocrystalline Nanoparticles with Enhanced Photocatalytic Activity. <i>Small</i> , 2020, 16, e2004696.	5.2	9
25	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
26	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
27	Nano-Ligands: Independent Tuning of Nano-Ligand Frequency and Sequences Regulates the Adhesion and Differentiation of Stem Cells (<i>Adv. Mater.</i> 40/2020). <i>Advanced Materials</i> , 2020, 32, 2070299.	11.1	0
28	Magnetic Direct-Write Skyrmion Nanolithography. <i>ACS Nano</i> , 2020, 14, 14960-14970.	7.3	17
29	Large reduction in switching current driven by spin-orbit torque in W/CoFeB heterostructures with W-N interfacial layers. <i>Acta Materialia</i> , 2020, 200, 551-558.	3.8	9
30	<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
31	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
32	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
33	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
34	Thickness and composition-dependent spin-orbit torque behaviors in perpendicularly magnetized Ta/W(t)/CoFeB and Ta1-W/CoFeB junction structures. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153744.	2.8	11
35	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
36	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

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37	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
38	Application of ZnO-Based Nanocomposites for Vaccines and Cancer Immunotherapy. <i>Pharmaceutics</i> , 2019, 11, 493.	2.0	35
39	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
40	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
41	Quantitative Analysis on Cellular Uptake of Clustered Ferrite Magnetic Nanoparticles. <i>Electronic Materials Letters</i> , 2019, 15, 471-480.	1.0	6
42	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
43	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
44	Microwave absorption properties of magnetite multi-granule nanocluster@multiwall carbon nanotube composites. <i>Functional Materials Letters</i> , 2019, 12, 1950011.	0.7	5
45	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
46	Magnetization reversal of ferromagnetic nanosprings affected by helical shape. <i>Nanoscale</i> , 2018, 10, 20405-20413.	2.8	17
47	Microstructural evolution and electrical resistivity of nanocrystalline W thin films grown by sputtering. <i>Materials Characterization</i> , 2018, 145, 473-478.	1.9	15
48	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
49	Fabrication of three-dimensional electrical patterns by swollen-off process: An evolution of the lift-off process. <i>Current Applied Physics</i> , 2018, 18, 1235-1239.	1.1	1
50	Role of the Heavy Metal's Crystal Phase in Oscillations of Perpendicular Magnetic Anisotropy and the Interfacial Dzyaloshinskii-Moriya Interaction in $WCoB$ Films. <i>Physical Review Applied</i> , 2018, 9, .	1.5	29
51	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
52	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
53	Functionalization of 3D printed microcontainers with Ni@Au core-shell nanowires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600887.	0.8	2
54	Annealing effect on the magnetic properties of cobalt-based amorphous alloys. <i>Current Applied Physics</i> , 2017, 17, 548-551.	1.1	6

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55	Crystallographic Orientation and Microstructure-Dependent Magnetic Behaviors in Arrays of Ni Nanowires. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	2
56	Synthesis, microstructure, and physical properties of metallic barcode nanowires. Metals and Materials International, 2017, 23, 413-425.	1.8	17
57	Enhancing current-induced torques by abutting additional spin polarizer layer to nonmagnetic metal layer. Scientific Reports, 2017, 7, 45669.	1.6	2
58	Magnetic Particle Spectrometry of Fe ₃ O ₄ Multi-Granule Nanoclusters. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	1
59	Eradication of <i>Plasmodium falciparum</i> from Erythrocytes by Controlled Reactive Oxygen Species via Photodynamic Inactivation Coupled with Photofunctional Nanoparticles. ACS Applied Materials & Interfaces, 2017, 9, 12975-12981.	4.0	7
60	CoFeSiB/Pd multilayers and co-deposited alloy films exhibiting perpendicular magnetic anisotropies after heat treatment up to 500°C. Acta Materialia, 2017, 125, 196-201.	3.8	1
61	Radio frequency-mediated local thermotherapy for destruction of pancreatic tumors using Ni/Au core-shell nanowires. Nanotechnology, 2017, 28, 03LT01.	1.3	13
62	Efficient intracellular delivery of biomacromolecules employing clusters of zinc oxide nanowires. Nanoscale, 2017, 9, 15371-15378.	2.8	24
63	Photonic Reactions Leading to Fluorescence in a Polymeric System Induced by the Photothermal Effect of Magnetite Nanoparticles Using a 780 nm Multiphoton Laser. Small, 2017, 13, 1700897.	5.2	8
64	Magnetically soft FeCoTiZrB alloys with high saturation magnetization. Intermetallics, 2017, 90, 164-168.	1.8	6
65	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. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 531, 133-140.	2.3	67
66	Microstructure and Magnetic Properties of CoFe Nanowires and Helical Nanosprings. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	3
67	Perpendicular Magnetic Anisotropy and Interfacial Dzyaloshinskii-Moriya Interaction in Pt/CoFeSiB Structures. IEEE Magnetics Letters, 2017, 8, 1-4.	0.6	1
68	Magnetization Reversal of Self-Assembled One-Dimensional Chains of Fe ₃ O ₄ Nanoparticles. , 2016, , .		0
69	Perpendicular Magnetic Anisotropy of Non-Magnetic Materials/Ferromagnetic Materials/MgO Trilayer. , 2016, , .		0
70	Localized electroporation effect on adherent cells in modified electric cell-substrate impedance sensing circuits. Applied Physics Express, 2016, 9, 107001.	1.1	1
71	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
72	Ultrahigh Tensile Strength Nanowires with a Ni/Ni/Au Multilayer Nanocrystalline Structure. Nano Letters, 2016, 16, 3500-3506.	4.5	21

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73	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
74	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
75	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
76	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
77	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
78	Effect of Silicon Additions on the Magnetic Properties for Fe-Based Alloys. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11210-11213.	0.9	0
79	3 Dimensional-Printed Micro-Container with Graphene Current Collector and Manganese Oxide Thin-Film as Cathodes of Li-Batteries. <i>Nanoscience and Nanotechnology Letters</i> , 2016, 8, 1095-1098.	0.4	0
80	Current fluctuation of electron and hole carriers in multilayer WSe ₂ field effect transistors. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	12
81	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
82	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
83	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
84	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
85	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
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	Gate-Controlled Spin-Orbit Coupling in InAs/InGaAs Quantum Well Structures. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 5212-5215.	0.9	3
88	Magnetic Nanodiscs Fabricated from Multilayered Nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 7923-7928.	0.9	2
89	Synthesis and magnetic properties of size-tunable Mn _x Fe _{3-α} O ₄ ferrite nanoclusters. <i>Journal of Applied Physics</i> , 2014, 115, 17B517.	1.1	9
90	Effect of compositional variation on the soft magnetic properties of Fe(87-x-y)Co _x Ti ₇ Zr ₆ By amorphous ribbons. <i>Current Applied Physics</i> , 2014, 14, 685-687.	1.1	15

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91	Isolation of DNA using magnetic nanoparticles coated with dimercaptosuccinic acid. <i>Analytical Biochemistry</i> , 2014, 447, 114-118.	1.1	60
92	Magnetic Anisotropy Evolution in CoFe/Au Barcode Nanowire Arrays. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	7
93	Phase dependent magnetic properties of Ni-Au alloy nanowires. <i>Materials Letters</i> , 2014, 116, 86-90.	1.3	1
94	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
95	Self-assembly of fluorescent and magnetic Fe ₃ O ₄ @coordination polymer nanochains. <i>Chemical Communications</i> , 2014, 50, 7617.	2.2	29
96	Efficiency of genomic DNA extraction dependent on the size of magnetic nanoclusters. <i>Journal of Applied Physics</i> , 2014, 115, 17B512.	1.1	1
97	Solid-state phase transformation mechanism for formation of magnetic multi-granule nanoclusters. <i>RSC Advances</i> , 2013, 3, 3631.	1.7	32
98	Dynamic Microcontainers as Microvacuums for Collecting Nanomaterials After Clinical Treatments. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 3464-3467.	1.2	1
99	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
100	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
101	ZnO@Ag Composite Nanocrystals from Nanoemulsion: Synthesis, Magnetic, and Optical Properties. <i>Applied Physics Express</i> , 2013, 6, 063005.	1.1	1
102	Growth behavior and field emission property of ZnO nanowire arrays on Au and Ag films. <i>AIP Advances</i> , 2013, 3, .	0.6	4
103	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
104	Magnetically driven spinning nanowires as effective materials for eradicating living cells. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	14
105	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
106	Compositional Dependence of Magnetic Properties in CoFe/Au Nanobarcodes. <i>Applied Physics Express</i> , 2012, 5, 103003.	1.1	18
107	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
108	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

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109	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
110	Magnetic NiFe/Au barcode nanowires with self-powered motion. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	17
111	Magnetic and optical properties of monosized Eu-doped ZnO nanocrystals from nanoemulsion. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	36
112	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
113	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
114	Domain wall configuration and magneto-transport properties in dual spin-valve with nanoconstriction. <i>Applied Physics Letters</i> , 2012, 100, 242409.	1.5	2
115	Magnetic domain wall motion by current injection in CoPt nanowires consisting of notches. <i>Solid State Communications</i> , 2012, 152, 1004-1007.	0.9	1
116	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
117	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
118	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
119	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
120	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
121	A multifunctional core-shell nanoparticle for dendritic cell-based cancer immunotherapy. <i>Nature Nanotechnology</i> , 2011, 6, 675-682.	15.6	470
122	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
123	Tocopheryl oligochitosan-based self assembling oligomersomes for siRNA delivery. <i>Biomaterials</i> , 2011, 32, 849-857.	5.7	50
124	Fabrication and characterization of RF nanoantenna on a nanoliter-scale 3D microcontainer. <i>Nanotechnology</i> , 2011, 22, 455303.	1.3	5
125	Labeling of macrophage cell using biocompatible magnetic nanoparticles. <i>Journal of Applied Physics</i> , 2011, 109, 07B309.	1.1	9
126	Observation of Suppressed Interdiffusion in FeRh/FePt-Ta Bilayer Thin Films. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 2104-2107.	1.2	1

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127	Self-assembly of iron oxide nanoparticles mediated by phospholipids. , 2010, , .		0
128	Spin wave quantization in continuous film with stripe domains. Journal of Applied Physics, 2009, 105, 07D544.	1.1	10
129	Transport Properties of Magnetic Tunnel Junctions Comprising NiFeSiB/CoFeB Hybrid Free Layers. IEEE Transactions on Magnetics, 2009, 45, 2364-2366.	1.2	4
130	Giant Diamagnetism in AuFe Nanoparticles. IEEE Transactions on Magnetics, 2009, 45, 2442-2445.	1.2	5
131	Synthesis and Magnetic Properties of Multifunctional Fe ₃ O ₄ -AuPt Core-Shell Nanoparticles. IEEE Transactions on Magnetics, 2009, 45, 4041-4044.	1.2	5
132	A highly sensitive and selective diagnostic assay based on virus nanoparticles. Nature Nanotechnology, 2009, 4, 259-264.	15.6	158
133	Synthesis and magnetic properties of multifunctional CoPtAu nanoparticles. Journal of Applied Physics, 2009, 105, 07B527.	1.1	3
134	Fabrication of Multifunctional Au Doped CoPt Nanowires. IEEE Transactions on Magnetics, 2009, 45, 2471-2474.	1.2	5
135	Synthesis of streptavidin-FITC-conjugated core-shell Fe ₃ O ₄ -Au nanocrystals and their application for the purification of CD4+ lymphocytes. Biomaterials, 2008, 29, 4003-4011.	5.7	99
136	Synthesis and Characterization of $\{m \text{ Fe-FeO} \}_m$ Core-Shell Nanowires. IEEE Transactions on Magnetics, 2008, 44, 3950-3953.	1.2	12
137	Structural and Magnetic Properties of Amorphous and Nanocrystalline CoFeSiB Thin Films. IEEE Nanotechnology Magazine, 2008, 7, 409-411.	1.1	4
138	Magneto-Transport Characteristics of Magnetic Tunnel Junction With a Synthetic Antiferromagnetic Amorphous CoFeSiB Free Layer. IEEE Transactions on Magnetics, 2008, 44, 2598-2600.	1.2	0
139	Growth and Magnetic Properties of CoPtAu Nanowires. IEEE Transactions on Magnetics, 2008, 44, 2726-2729.	1.2	1
140	Magneto-resistance Variation of Magnetic Tunnel Junctions with NiFeSiB/CoFeB Free Layers Depending on MgO Tunnel Barrier Thickness. IEEE Transactions on Magnetics, 2008, 44, 2547-2550.	1.2	6
141	Iron-Gold Barcode Nanowires. Angewandte Chemie - International Edition, 2007, 46, 3663-3667.	7.2	94
142	Electrochemical preparation of Co ₃ Pt nanowires. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 4158-4161.	0.8	5
143	Synthesis and microwave properties of highly permeable FeCo-based nanoalloys. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 4087-4090.	0.8	11
144	High-frequency noise absorbing properties of nickel nanowire arrays prepared by DC electrodeposition. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 4025-4028.	0.8	4

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145	Magnetotransport of lateral Py/Pt/Py spin valve device. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4534-4537.	0.7	0
146	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
147	Structural and magnetic properties of amorphous and nanocrystalline CoFeSiB thin films. , 2006, , .		0
148	Experimental and Simulation Study to Identify Current-Confined Path in Cu/Al Space Layer for CPP-GMR Spin-Valve Applications. <i>IEEE Transactions on Magnetics</i> , 2006, 42, 2633-2635.	1.2	3
149	Switching behavior of indium selenide-based phase-change memory cell. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 1034-1036.	1.2	53
150	Influence of freelayer 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
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