

Young Keun Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2810766/publications.pdf>

Version: 2024-02-01

174
papers

2,924
citations

218677

26
h-index

214800

47
g-index

178
all docs

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.	10.7	5
2	Engineering the shape of one-dimensional metallic nanostructures via nanopore electrochemistry. <i>Nano Today</i> , 2022, 42, 101348.	11.9	4
3	Variation of spin-orbit torque and spin transport properties by V alloying in $\hat{2}$ -W-based magnetic heterostructures. <i>Scripta Materialia</i> , 2022, 211, 114486.	5.2	4
4	Surface-ligand-induced crystallographic disorder \hat{c} order transition in oriented attachment for the tuneable assembly of mesocrystals. <i>Nature Communications</i> , 2022, 13, 1144.	12.8	10
5	Receptor \hat{c} Level Proximity and Fastening of Ligands Modulates Stem Cell Differentiation. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	11
6	Submolecular Ligand Size and Spacing for Cell Adhesion. <i>Advanced Materials</i> , 2022, 34, e2110340.	21.0	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.	12.4	19
8	Association between Cell Microenvironment Altered by Gold Nanowire Array and Regulation of Partial Epithelial \hat{c} Mesenchymal Transition. <i>Advanced Functional Materials</i> , 2021, 31, 2008758.	14.9	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, .	1.3	11
10	Remote Switching of Elastic Movement of Decorated Ligand Nanostructures Controls the Adhesion \hat{c} Regulated Polarization of Host Macrophages. <i>Advanced Functional Materials</i> , 2021, 31, 2008698.	14.9	15
11	Remote Control of Time \hat{c} Regulated Stretching of Ligand \hat{c} Presenting Nanocoils In Situ Regulates the Cyclic Adhesion and Differentiation of Stem Cells. <i>Advanced Materials</i> , 2021, 33, e2008353.	21.0	31
12	Magnetic Nanocoils: Remote Control of Time \hat{c} Regulated Stretching of Ligand \hat{c} Presenting Nanocoils In Situ Regulates the Cyclic Adhesion and Differentiation of Stem Cells (Adv. Mater. 11/2021). <i>Advanced Materials</i> , 2021, 33, 2170084.	21.0	0
13	Zinc Oxide Nano \hat{c} Spicules on Polylactic Acid for Super \hat{c} Hydrophilic and Bactericidal Surfaces. <i>Advanced Functional Materials</i> , 2021, 31, 2100844.	14.9	11
14	Ruderman \hat{c} Kittel \hat{c} Kasuya \hat{c} Yosida-type interfacial Dzyaloshinskii \hat{c} Moriya interaction in heavy metal/ferromagnet heterostructures. <i>Nature Communications</i> , 2021, 12, 3280.	12.8	5
15	Immunoregulation of Macrophages by Controlling Winding and Unwinding of Nanohelical Ligands. <i>Advanced Functional Materials</i> , 2021, 31, 2103409.	14.9	19
16	Spin \hat{c} orbit torque engineering in $\hat{2}$ -W/CoFeB heterostructures with W \hat{c} Ta or W \hat{c} V alloy layers between $\hat{2}$ -W and CoFeB. <i>NPG Asia Materials</i> , 2021, 13, .	7.9	11
17	Magnetic Control and Real \hat{c} Time Monitoring of Stem Cell Differentiation by the Ligand Nanoassembly. <i>Small</i> , 2021, 17, e2102892.	10.0	22
18	Zinc Oxide Nano \hat{c} Spicules on Polylactic Acid for Super \hat{c} Hydrophilic and Bactericidal Surfaces (Adv.) <i>Tj ETQq0 0 0,rgBT /Overlock 10 Tf</i>	14.9	1

#	ARTICLE	IF	CITATIONS
19	Inorganic Hollow Nanocoils Fabricated by Controlled Interfacial Reaction and Their Electrocatalytic Properties. <i>Small</i> , 2021, 17, e2103575.	10.0	1
20	Chemical Vapor Synthesis of Nonagglomerated Nickel Nanoparticles by In-Flight Coating. <i>ACS Omega</i> , 2021, 6, 27842-27850.	3.5	7
21	Spin-orbit torques in normal metal/Nb/ferromagnet heterostructures. <i>Scientific Reports</i> , 2021, 11, 21081.	3.3	4
22	Interfacial Perpendicular Magnetic Anisotropy in Magnetic Tunnel Junctions Comprising CoFeB with FeNiSiB Layers. <i>Electronic Materials Letters</i> , 2020, 16, 35-40.	2.2	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, .	7.9	28
24	Multi-Component Mesocrystalline Nanoparticles with Enhanced Photocatalytic Activity. <i>Small</i> , 2020, 16, e2004696.	10.0	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.	9.1	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.	21.0	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.	21.0	0
28	Magnetic Direct-Write Skyrmion Nanolithography. <i>ACS Nano</i> , 2020, 14, 14960-14970.	14.6	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.	7.9	9
30	In Situ Magnetic Control of Macroscale Nanoligand Density Regulates the Adhesion and Differentiation of Stem Cells. <i>Nano Letters</i> , 2020, 20, 4188-4196.	9.1	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.	5.5	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.	8.0	30
33	Strategy to control magnetic coercivity by elucidating crystallization pathway-dependent microstructural evolution of magnetite mesocrystals. <i>Nature Communications</i> , 2020, 11, 298.	12.8	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.	5.5	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.	5.1	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.	10.0	20

#	ARTICLE	IF	CITATIONS
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.	5.7	7
38	Application of ZnO-Based Nanocomposites for Vaccines and Cancer Immunotherapy. <i>Pharmaceutics</i> , 2019, 11, 493.	4.5	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.	8.0	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.	2.4	10
41	Quantitative Analysis on Cellular Uptake of Clustered Ferrite Magnetic Nanoparticles. <i>Electronic Materials Letters</i> , 2019, 15, 471-480.	2.2	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.	5.6	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.	2.2	11
44	Microwave absorption properties of magnetite multi-granule nanocluster@multiwall carbon nanotube composites. <i>Functional Materials Letters</i> , 2019, 12, 1950011.	1.2	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.	3.5	5
46	Magnetization reversal of ferromagnetic nanosprings affected by helical shape. <i>Nanoscale</i> , 2018, 10, 20405-20413.	5.6	17
47	Microstructural evolution and electrical resistivity of nanocrystalline W thin films grown by sputtering. <i>Materials Characterization</i> , 2018, 145, 473-478.	4.4	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.	8.0	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.	2.4	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, .	3.8	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.	4.1	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.	2.3	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.	1.8	2
54	Annealing effect on the magnetic properties of cobalt-based amorphous alloys. <i>Current Applied Physics</i> , 2017, 17, 548-551.	2.4	6

#	ARTICLE	IF	CITATIONS
55	Crystallographic Orientation and Microstructure-Dependent Magnetic Behaviors in Arrays of Ni Nanowires. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	2
56	Synthesis, microstructure, and physical properties of metallic barcode nanowires. Metals and Materials International, 2017, 23, 413-425.	3.4	17
57	Enhancing current-induced torques by abutting additional spin polarizer layer to nonmagnetic metal layer. Scientific Reports, 2017, 7, 45669.	3.3	2
58	Magnetic Particle Spectrometry of Fe ₃ O ₄ Multi-Granule Nanoclusters. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	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.	8.0	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.	7.9	1
61	Radio frequency-mediated local thermotherapy for destruction of pancreatic tumors using Ni/Au core-shell nanowires. Nanotechnology, 2017, 28, 03LT01.	2.6	13
62	Efficient intracellular delivery of biomacromolecules employing clusters of zinc oxide nanowires. Nanoscale, 2017, 9, 15371-15378.	5.6	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.	10.0	8
64	Magnetically soft FeCoTiZrB alloys with high saturation magnetization. Intermetallics, 2017, 90, 164-168.	3.9	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.	4.7	67
66	Microstructure and Magnetic Properties of CoFe Nanowires and Helical Nanosprings. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	3
67	Perpendicular Magnetic Anisotropy and Interfacial Dzyaloshinskii-Moriya Interaction in Pt/CoFeSiB Structures. IEEE Magnetics Letters, 2017, 8, 1-4.	1.1	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.	2.4	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.	1.7	3
72	Ultrahigh Tensile Strength Nanowires with a Ni/Ni/Au Multilayer Nanocrystalline Structure. Nano Letters, 2016, 16, 3500-3506.	9.1	21

#	ARTICLE	IF	CITATIONS
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.	5.6	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.	1.5	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.	9.1	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.	2.4	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, .	3.3	12
81	Magnetic multi-granule nanoclusters: A model system that exhibits universal size effect of magnetic coercivity. <i>Scientific Reports</i> , 2015, 5, 12135.	3.3	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.	2.8	22
83	Functional Manipulation of Dendritic Cells by Photoswitchable Generation of Intracellular Reactive Oxygen Species. <i>ACS Chemical Biology</i> , 2015, 10, 757-765.	3.4	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.	2.6	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.	2.1	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.	2.1	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.	2.5	9
90	Effect of compositional variation on the soft magnetic properties of Fe(87-x-y)Co _x Ti ₇ Zr ₆ B _y amorphous ribbons. <i>Current Applied Physics</i> , 2014, 14, 685-687.	2.4	15

#	ARTICLE	IF	CITATIONS
91	Isolation of DNA using magnetic nanoparticles coated with dimercaptosuccinic acid. <i>Analytical Biochemistry</i> , 2014, 447, 114-118.	2.4	60
92	Magnetic Anisotropy Evolution in CoFe/Au Barcode Nanowire Arrays. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	7
93	Phase dependent magnetic properties of Ni-Au alloy nanowires. <i>Materials Letters</i> , 2014, 116, 86-90.	2.6	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.	2.3	7
95	Self-assembly of fluorescent and magnetic Fe ₃ O ₄ @coordination polymer nanochains. <i>Chemical Communications</i> , 2014, 50, 7617.	4.1	29
96	Efficiency of genomic DNA extraction dependent on the size of magnetic nanoclusters. <i>Journal of Applied Physics</i> , 2014, 115, 17B512.	2.5	1
97	Solid-state phase transformation mechanism for formation of magnetic multi-granule nanoclusters. <i>RSC Advances</i> , 2013, 3, 3631.	3.6	32
98	Dynamic Microcontainers as Microvacuums for Collecting Nanomaterials After Clinical Treatments. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 3464-3467.	2.1	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.	5.7	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.	5.2	45
101	ZnO@Ag Composite Nanocrystals from Nanoemulsion: Synthesis, Magnetic, and Optical Properties. <i>Applied Physics Express</i> , 2013, 6, 063005.	2.4	1
102	Growth behavior and field emission property of ZnO nanowire arrays on Au and Ag films. <i>AIP Advances</i> , 2013, 3, .	1.3	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, .	2.5	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.	3.3	14
106	Compositional Dependence of Magnetic Properties in CoFe/Au Nanobarcodes. <i>Applied Physics Express</i> , 2012, 5, 103003.	2.4	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, .	2.5	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.	5.5	24

#	ARTICLE	IF	CITATIONS
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.	7.9	18
110	Magnetic NiFe/Au barcode nanowires with self-powered motion. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	17
111	Magnetic and optical properties of monosized Eu-doped ZnO nanocrystals from nanoemulsion. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	36
112	Dimensional Dependence of Magnetic Properties in Arrays of CoFe/Au Barcode Nanowire. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 3929-3932.	2.1	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.	4.1	74
114	Domain wall configuration and magneto-transport properties in dual spin-valve with nanoconstriction. <i>Applied Physics Letters</i> , 2012, 100, 242409.	3.3	2
115	Magnetic domain wall motion by current injection in CoPt nanowires consisting of notches. <i>Solid State Communications</i> , 2012, 152, 1004-1007.	1.9	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.	3.0	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, .	3.3	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.	2.5	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.	2.6	13
121	A multifunctional core-shell nanoparticle for dendritic cell-based cancer immunotherapy. <i>Nature Nanotechnology</i> , 2011, 6, 675-682.	31.5	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.	2.5	4
123	Tocopheryl oligochitosan-based self assembling oligomersomes for siRNA delivery. <i>Biomaterials</i> , 2011, 32, 849-857.	11.4	50
124	Fabrication and characterization of RF nanoantenna on a nanoliter-scale 3D microcontainer. <i>Nanotechnology</i> , 2011, 22, 455303.	2.6	5
125	Labeling of macrophage cell using biocompatible magnetic nanoparticles. <i>Journal of Applied Physics</i> , 2011, 109, 07B309.	2.5	9
126	Observation of Suppressed Interdiffusion in FeRh/FePt-Ta Bilayer Thin Films. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 2104-2107.	2.1	1

#	ARTICLE	IF	CITATIONS
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.	2.5	10
129	Transport Properties of Magnetic Tunnel Junctions Comprising NiFeSiB/CoFeB Hybrid Free Layers. IEEE Transactions on Magnetics, 2009, 45, 2364-2366.	2.1	4
130	Giant Diamagnetism in AuFe Nanoparticles. IEEE Transactions on Magnetics, 2009, 45, 2442-2445.	2.1	5
131	Synthesis and Magnetic Properties of Multifunctional Fe ₃ O ₄ -AuPt Core-Shell Nanoparticles. IEEE Transactions on Magnetics, 2009, 45, 4041-4044.	2.1	5
132	A highly sensitive and selective diagnostic assay based on virus nanoparticles. Nature Nanotechnology, 2009, 4, 259-264.	31.5	158
133	Synthesis and magnetic properties of multifunctional CoPtAu nanoparticles. Journal of Applied Physics, 2009, 105, 07B527.	2.5	3
134	Fabrication of Multifunctional Au Doped CoPt Nanowires. IEEE Transactions on Magnetics, 2009, 45, 2471-2474.	2.1	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.	11.4	99
136	Synthesis and Characterization of $\{m \text{ Fe-FeO}\}_m$ Core-Shell Nanowires. IEEE Transactions on Magnetics, 2008, 44, 3950-3953.	2.1	12
137	Structural and Magnetic Properties of Amorphous and Nanocrystalline CoFeSiB Thin Films. IEEE Nanotechnology Magazine, 2008, 7, 409-411.	2.0	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.	2.1	0
139	Growth and Magnetic Properties of CoPtAu Nanowires. IEEE Transactions on Magnetics, 2008, 44, 2726-2729.	2.1	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.	2.1	6
141	Iron-Gold Barcode Nanowires. Angewandte Chemie - International Edition, 2007, 46, 3663-3667.	13.8	94
142	Electrochemical preparation of Co ₃ Pt nanowires. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 4158-4161.	1.8	5
143	Synthesis and microwave properties of highly permeable FeCo-based nanoalloys. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 4087-4090.	1.8	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.	1.8	4

#	ARTICLE	IF	CITATIONS
145	Magnetotransport of lateral Py/Pt/Py spin valve device. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4534-4537.	1.5	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.	2.1	3
149	Switching behavior of indium selenide-based phase-change memory cell. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 1034-1036.	2.1	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.	2.1	5
151	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.	2.1	14
152	Control of magnetic behavior in Fe ₃ O ₄ nanostructures. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 3304-3306.	2.1	5
153	Switching characteristics of magnetic tunnel junctions with a synthetic antiferromagnetic free layer. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 2688-2690.	2.1	0
154	Magnetization switching and tunneling magnetoresistance effects with synthetic antiferromagnet free layers consisting of amorphous CoFeSiB. , 2005, , .		0
155	Switching characteristics in magnetic tunnel junctions with a synthetic antiferromagnetic free layer. , 2005, , .		0
156	Magnetic properties of Fe ₃ O ₄ nanostructures. , 2005, , .		0
157	Current aspects and future perspectives of high-density MRAM. <i>Physica Status Solidi A</i> , 2004, 201, 1617-1620.	1.7	5
158	Magnetic tunnel junctions stabilized by modified synthetic antiferromagnets. <i>Physica Status Solidi A</i> , 2004, 201, 1676-1679.	1.7	2
159	Soft magnetic properties of sub 10 nm NiFe and Co films encapsulated with Ta or Cu. <i>Physica Status Solidi A</i> , 2004, 201, 1859-1861.	1.7	1
160	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
161	Effect of plasma oxidation time and annealing condition on the temperature dependence of tunneling magnetoresistance. <i>Metals and Materials International</i> , 2003, 9, 57-59.	3.4	1
162	Analysis on giant magnetoresistive characteristics of synthetic antiferromagnet-based spin valves with modified pinned layers. <i>IEEE Transactions on Magnetics</i> , 2003, 39, 2399-2401.	2.1	1

#	ARTICLE	IF	CITATIONS
163	Effect of Zr concentration on the microstructure of Al and the magnetoresistance properties of the magnetic tunnel junction with a Zr-alloyed Al ϵ -oxide barrier. Applied Physics Letters, 2003, 83, 317-319.	3.3	33
164	Thermal and Mn diffusion behaviors of CoNbZr-based spin valves with nano oxide layers. IEEE Transactions on Magnetism, 2003, 39, 2824-2826.	2.1	3
165	Characteristics of magnetic tunnel junctions consisting of amorphous CoNbZr layers. Journal of Applied Physics, 2003, 93, 8361-8363.	2.5	10
166	Thermal stability of spin-valves incorporating amorphous CoNbZr under and capping layers. Journal of Applied Physics, 2002, 91, 8581.	2.5	25
167	Interlayer diffusion and specular aspects of amorphous CoNbZr-based spin-valves. IEEE Transactions on Magnetism, 2002, 38, 2685-2687.	2.1	11
168	MR characteristics of synthetic ferrimagnet based spin-valves with different pinning layer thickness ratios. IEEE Transactions on Magnetism, 2000, 36, 2857-2859.	2.1	0
169	Design of recessed yoke heads for minimizing adjacent track encroachment. IEEE Transactions on Magnetism, 2000, 36, 2524-2526.	2.1	8
170	Structural and magnetoresistance characteristics of CoFe/Ag/NiFe/Ag composite discontinuous multilayers. Applied Physics Letters, 2000, 77, 4199-4201.	3.3	1
171	Exchange anisotropy and thermal stability of Mn-Ir-Pt exchange-biased layers. IEEE Transactions on Magnetism, 2000, 36, 2569-2571.	2.1	2
172	Interface Electronic And Magnetic Structures Of Layered Fe In Contact With MgO. Materials Research Society Symposia Proceedings, 1991, 238, 799.	0.1	0
173	Thermal and Mn diffusion behaviors of CoNbZr based spin valves with nano-oxide layers. , 0, , .		0
174	Spin-orbit torque efficiency in Ta or W/Ta-W/CoFeB junctions. Materials Research Express, 0, , .	1.6	0