Yong Hu

List of Publications by Year
in descending order

191	10,623	29994 54	34900 98
papers	citations	h-index	g-index

191	191	191	12344
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Construction of hierarchical Niâ€“Coâ€“P hollow nanobricks with oriented nanosheets for efficient overall water splitting. Energy and Environmental Science, 2018, 11, 872-880.	15.6	773
2	Assembling carbon-coated Î±-Fe₂O₃hollow nanohorns on the CNT backbone for superior lithium storage capability. Energy and Environmental Science, 2012, 5, 5252-5256.	15.6	767
3	Carbonâ€Coated CdS Petalous Nanostructures with Enhanced Photostability and Photocatalytic Activity. Angewandte Chemie - International Edition, 2013, 52, 5636-5639.	7.2	355
4	Construction of CoO/Coâ€Cuâ€S Hierarchical Tubular Heterostructures for Hybrid Supercapacitors. Angewandte Chemie - International Edition, 2019, 58, 15441-15447.	7.2	346
5	Formation of Mesoporous Heterostructured BiVO₄/Bi₂S₃ Hollow Discoids with Enhanced Photoactivity. Angewandte Chemie - International Edition, 2014, 53, 5917-5921.	7.2	269
6	A magnetically separable photocatalyst based on nest-like Î³-Fe₂O₃/ZnO double-shelled hollow structures with enhanced photocatalytic activity. Nanoscale, 2012, 4, 183-187.	2.8	262
7	A Roomâ€Temperature Postsynthetic Ligand Exchange Strategy to Construct Mesoporous Feâ€Doped CoP Hollow Triangle Plate Arrays for Efficient Electrocatalytic Water Splitting. Small, 2018, 14, e1704233.	5.2	244
8	Microwaveâ€Assisted Synthesis of Porous Ag₂Sâ€“Ag Hybrid Nanotubes with High Visibleâ€Light Photocatalytic Activity. Angewandte Chemie - International Edition, 2012, 51, 11501-11504.	7.2	215
9	Graphene Layersâ€Wrapped Fe/Fe₅C₂ Nanoparticles Supported on Nâ€doped Graphene Nanosheets for Highly Efficient Oxygen Reduction. Advanced Energy Materials, 2018, 8, 1702476.	10.2	205
10	Selective light absorber-assisted single nickel atom catalysts for ambient sunlight-driven CO2 methanation. Nature Communications, 2019, 10, 2359.	5.8	185
11	Formation of mesoporous Co/CoS/Metal-N-C@S, N-codoped hairy carbon polyhedrons as an efficient trifunctional electrocatalyst for Zn-air batteries and water splitting. Chemical Engineering Journal, 2021, 403, 126385.	6.6	174
12	One-Step Solvothermal Formation of Pt Nanoparticles Decorated Pt²⁺-Doped Î±-Fe₂O₃ Nanoplates with Enhanced Photocatalytic O₂ Evolution. ACS Catalysis, 2019, 9, 1211-1219.	5.5	167
13	Microwave-assisted non-aqueous route to deposit well-dispersed ZnO nanocrystals on reduced graphene oxide sheets with improved photoactivity for the decolorization of dyes under visible light. Applied Catalysis B: Environmental, 2012, 125, 425-431.	10.8	161
14	Hierarchical Cu₂S@NiCo-LDH double-shelled nanotube arrays with enhanced electrochemical performance for hybrid supercapacitors. Journal of Materials Chemistry A, 2020, 8, 22163-22174.	5.2	159
15	Construction of mesoporous Cu-doped Co₉S₈ rectangular nanotube arrays for high energy density all-solid-state asymmetric supercapacitors. Journal of Materials Chemistry A, 2019, 7, 5333-5343.	5.2	150
16	Seed-mediated synthesis of NaY F₄:Y b, ErNaGdF₄nanocrystals with improved upconversion fluorescence and MR relaxivity. Nanotechnology, 2010, 21, 125602.	1.3	149
17	Coating Colloidal Carbon Spheres with CdS Nanoparticles: Microwave-Assisted Synthesis and Enhanced Photocatalytic Activity. Langmuir, 2010, 26, 18570-18575.	1.6	149
18	Magnetic-field induced formation of 1D Fe3O4/C/CdS coaxial nanochains as highly efficient and reusable photocatalysts for water treatment. Journal of Materials Chemistry, 2011, 21, 18359.	6.7	145

#	Article	IF	Citations
19	Hierarchical MoS2/NiCo2S4@C urchin-like hollow microspheres for asymmetric supercapacitors. Chemical Engineering Journal, 2020, 380, 122544.	6.6	143
20	Effects of nano-TiO2 on photosynthetic characteristics of Ulmus elongata seedlings. Environmental Pollution, 2013, 176, 63-70.	3.7	135
21	A microwave-assisted rapid route to synthesize ZnO/ZnS coreâ€“shell nanostructures via controllable surface sulfidation of ZnO nanorods. CrystEngComm, 2011, 13, 3438.	1.3	133
22	Formation of sandwiched leaf-like CNTs-Co/ZnCo2O4@NC-CNTs nanohybrids for high-power-density rechargeable Zn-air batteries. Nano Energy, 2021, 82, 105710.	8.2	133
23	Facile synthesis of Z-scheme Ag₂CO₃/Ag/AgBr ternary heterostructured nanorods with improved photostability and photoactivity. Journal of Materials Chemistry A, 2015, 3, 5474-5481.	5.2	123
24	Oneâ€Pot Magnetic Field Induced Formation of Fe₃O₄/C Composite Microrods with Enhanced Lithium Storage Capability. Small, 2014, 10, 2815-2819.	5.2	120
25	Trifunctional electrocatalyst of N-doped graphitic carbon nanosheets encapsulated with CoFe alloy nanocrystals: The key roles of bimetal components and high-content graphitic-N. Applied Catalysis B: Environmental, 2021, 298, 120512.	10.8	120
26	Passivation of defect states in anatase TiO2 hollow spheres with Mg doping: Realizing efficient photocatalytic overall water splitting. Applied Catalysis B: Environmental, 2017, 202, 127-133.	10.8	117
27	Facile one-pot synthesis of uniform TiO2â€“Ag hybrid hollow spheres with enhanced photocatalytic activity. Dalton Transactions, 2013, 42, 1122-1128.	1.6	114
28	Reduced CoNi2S4 nanosheets with enhanced conductivity for high-performance supercapacitors. Electrochimica Acta, 2018, 278, 33-41.	2.6	114
29	Facile in-situ growth of Ni2P/Fe2P nanohybrids on Ni foam for highly efficient urea electrolysis. Journal of Colloid and Interface Science, 2019, 541, 279-286.	5.0	113
30	Construction of hierarchical FeP/Ni₂P hollow nanospindles for efficient oxygen evolution. Journal of Materials Chemistry A, 2018, 6, 14103-14111.	5.2	109
31	Facile Formation of Mesoporous BiVO₄/Ag/AgCl Heterostructured Microspheres with Enhanced Visible-Light Photoactivity. Inorganic Chemistry, 2015, 54, 9033-9039.	1.9	108
32	New types of hybrid electrolytes for supercapacitors. Journal of Energy Chemistry, 2021, 57, 219-232.	7.1	106
33	Uniform hamburger-like mesoporous carbon-incorporated ZnO nanoarchitectures: One-pot solvothermal synthesis, high adsorption and visible-light photocatalytic decolorization of dyes. Applied Catalysis B: Environmental, 2013, 138-139, 1-8.	10.8	97
34	Facile one-pot solvothermal preparation of Mo-doped Bi₂WO₆biscuit-like microstructures for visible-light-driven photocatalytic water oxidation. Journal of Materials Chemistry A, 2016, 4, 13242-13250.	5.2	88
35	Magnetite (Fe3O4) tetrakaidecahedral microcrystals: Synthesis, characterization, and micro-Raman study. Materials Characterization, 2011, 62, 148-151.	1.9	87
36	Microwave-assisted synthesis of porous CdOâ€“CdS coreâ€“shell nanoboxes with enhanced visible-light-driven photocatalytic reduction of Cr(vi). Journal of Materials Chemistry, 2012, 22, 13895.	6.7	85

#	Article	IF	Citations
37	Facile One-Step Microwave-Assisted Route towards Ni Nanospheres/Reduced Graphene Oxide Hybrids for Non-Enzymatic Glucose Sensing. Sensors, 2012, 12, 4860-4869.	2.1	84
38	Approach of fermi level and electron-trap level in cadmium sulfide nanorods via molybdenum doping with enhanced carrier separation for boosted photocatalytic hydrogen production. Journal of Colloid and Interface Science, 2021, 583, 661-671.	5.0	83
39	Scalable fabrication of ZnxCd1-xS double-shell hollow nanospheres for highly efficient hydrogen production. Applied Catalysis B: Environmental, 2018, 239, 309-316.	10.8	82
40	Unusual formation of tetragonal microstructures from nitrogen-doped carbon nanocapsules with cobalt nanocores as a bi-functional oxygen electrocatalyst. Journal of Materials Chemistry A, 2017, 5, 2271-2279.	5.2	80
41	A facile sequential ion exchange strategy to synthesize CoSe₂/FeSe₂ double-shelled hollow nanocuboids for the highly active and stable oxygen evolution reaction. Nanoscale, 2019, 11, 10738-10745.	2.8	80
42	Construction of sugar-gourd-shaped CdS/Co1-xS hollow hetero-nanostructure as an efficient Z-scheme photocatalyst for hydrogen generation. Chemical Engineering Journal, 2020, 400, 125925.	6.6	76
43	Oxygen-vacancy-assisted construction of FeOOH/CdS heterostructure as an efficient bifunctional photocatalyst for CO2 conversion and water oxidation. Applied Catalysis B: Environmental, 2021, 293, 120203.	10.8	71
44	Thickness-dependent carrier separation in Bi2Fe4O9 nanoplates with enhanced photocatalytic water oxidation. Chemical Engineering Journal, 2020, 385, 123929.	6.6	70
45	One-Step Solvothermal Synthesis of Petalous Carbon-Coated Cu⁺-Doped CdS Nanocomposites with Enhanced Photocatalytic Hydrogen Production. Langmuir, 2017, 33, 6719-6726.	1.6	67
46	Automatic Pavement Crack Detection Using Texture and Shape Descriptors. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2010, 27, 398.	2.1	66
47	Microwave-assisted deposition of metal sulfide/oxide nanocrystals onto a 3D hierarchical flower-like TiO2 nanostructure with improved photocatalytic activity. Journal of Materials Chemistry A, 2013, 1, 8101.	5.2	64
48	One-pot solvothermal synthesis of multi-shelled Î±-Fe2O3 hollow spheres with enhanced visible-light photocatalytic activity. Journal of Alloys and Compounds, 2013, 551, 440-443.	2.8	64
49	Fabrication of Porous Cu-Doped BiVO₄ Nanotubes as Efficient Oxygen-Evolving Photocatalysts. ACS Applied Nano Materials, 2018, 1, 2589-2599.	2.4	63
50	Directly coat TiO₂ on hydrophobic NaYF₄:Yb,Tm nanoplates and regulate their photocatalytic activities with the core size. Journal of Materials Chemistry A, 2014, 2, 13486-13491.	5.2	60
51	Facile synthesis of porous Bi2O3-BiVO4 p-n heterojunction composite microrods with highly efficient photocatalytic degradation of phenol. Journal of Alloys and Compounds, 2016, 688, 1080-1087.	2.8	60
52	Precise regulation of pyrroleâ€type singleâ€atom Mnâ€N₄ sites for superior pHâ€universal oxygen reduction. , 2021, 3, 856-865.		60
53	Band-gap engineering of porous BiVO₄ nanoshuttles by Fe and Mo co-doping for efficient photocatalytic water oxidation. Inorganic Chemistry Frontiers, 2017, 4, 2045-2054.	3.0	59
54	A new photocatalyst based on Co(CO3)0.5(OH)Â·0.11H2O/Bi2WO6 nanocomposites for high-efficiency cocatalyst-free O2 evolution. Chemical Engineering Journal, 2019, 359, 924-932.	6.6	59

#	Article	IF	Citations
55	ZnO/ZnFe₂O₄ Magnetic Fluorescent Bifunctional Hollow Nanospheres: Synthesis, Characterization, and Their Optical/Magnetic Properties. Journal of Physical Chemistry C, 2010, 114, 17455-17459.	1.5	58
56	Molecule-assisted modulation of the high-valence Co3+ in 3D honeycomb-like CoxSy networks for high-performance solid-state asymmetric supercapacitors. Science China Materials, 2021, 64, 840-851.	3.5	55
57	Carbon-coated Fe₃O₄ microspheres with a porous multideck-cage structure for highly reversible lithium storage. Chemical Communications, 2015, 51, 6921-6924.	2.2	54
58	One-step phosphorization preparation of gradient-P-doped CdS/CoP hybrid nanorods having multiple channel charge separation for photocatalytic reduction of water. Journal of Colloid and Interface Science, 2021, 596, 431-441.	5.0	54
59	Microwave-assisted route to fabricate coaxial ZnO/C/CdS nanocables with enhanced visible light-driven photocatalytic activity. CrystEngComm, 2012, 14, 7686.	1.3	50
60	Facile synthesis of Ag2WO4/AgCl nanorods for excellent photocatalytic properties. Materials Letters, 2013, 91, 129-132.	1.3	50
61	The effect of field-cooling strength and interfacial coupling on exchange bias in a granular system of ferromagnetic nanoparticles embedded in an antiferromagnetic matrix. Journal of Applied Physics, 2007, 102, 113911.	1.1	48
62	Facile formation of Ag2WO4/AgX (X=Cl, Br, I) hybrid nanorods with enhanced visible-light-driven photoelectrochemical properties. Materials Research Bulletin, 2015, 61, 315-320.	2.7	48
63	Facile preparation of 2D sandwich-like CdS nanoparticles/nitrogen-doped reduced graphene oxide hybrid nanosheets with enhanced photoelectrochemical properties. Journal of Materials Chemistry A, 2014, 2, 19815-19821.	5.2	47
64	Facile in situ fabrication of Co nanoparticles embedded in 3D N-enriched mesoporous carbon foam electrocatalyst with enhanced activity and stability toward oxygen reduction reaction. Journal of Materials Science, 2019, 54, 5412-5423.	1.7	47
65	Formation of MSâ€“Ag and MS (M = Pb, Cd, Zn) nanotubes via microwave-assisted cation exchange and their enhanced photocatalytic activities. Nanoscale, 2013, 5, 10864.	2.8	46
66	Synergistic effects of Fe and Mn dual-doping in Co3S4 ultrathin nanosheets for high-performance hybrid supercapacitors. Journal of Colloid and Interface Science, 2021, 590, 226-237.	5.0	46
67	Room-Temperature Irradiation Route To Synthesize a Large-Scale Single-Crystalline ZnO Hexangular Prism. Inorganic Chemistry, 2005, 44, 7280-7282.	1.9	45
68	Controllable one-pot synthesis of various one-dimensional Bi2S3 nanostructures and their enhanced visible-light-driven photocatalytic reduction of Cr(VI). Journal of Alloys and Compounds, 2014, 611, 335-340.	2.8	43
69	Accelerating Triple Transport in Zincâ€Air Batteries and Water Electrolysis by Spatially Confining Co Nanoparticles in Breathable Honeycombâ€Like Macroporous Nâ€Doped Carbon. Small, 2021, 17, e2103517.	5.2	43
70	Silica-based complex nanorattles as multifunctional carrier for anticancer drug. Journal of Materials Chemistry, 2011, 21, 8052.	6.7	42
71	Synthesis of Mesoporous SiO₂@TiO₂ Core/Shell Nanospheres with Enhanced Photocatalytic Properties. Particle and Particle Systems Characterization, 2013, 30, 306-310.	1.2	39
72	Beyond CoO_x: a versatile amorphous cobalt species as an efficient cocatalyst for visible-light-driven photocatalytic water oxidation. Chemical Communications, 2019, 55, 14050-14053.	2.2	38

#	Article	IF	Citations
73	Steering Catalytic Activity and Selectivity of CO₂ Photoreduction to Syngas with Hydroxyâ€Rich Cu₂S@R_{OH}â€NiCo₂O₃ Doubleâ€Shelled Nanoboxes. Angewandte Chemie - International Edition, 2022, 61, .	7.2	38
74	Defect engineering of electrode materials towards superior reaction kinetics for high-performance supercapacitors. Journal of Materials Chemistry A, 2022, 10, 15267-15296.	5.2	38
75	Facile fabrication of mesoporous BiOCl/(BiO)₂CO₃/Bi₂O₃ ternary flower-like heterostructured microspheres with high visible-light-driven photoactivity. Journal of Materials Chemistry A, 2015, 3, 22413-22420.	5.2	37
76	Electrospinning preparation of Sn4+-doped BiFeO3 nanofibers as efficient visible-light-driven photocatalyst for O2 evolution. Journal of Alloys and Compounds, 2018, 766, 274-283.	2.8	37
77	Synthesis of monodispersed single-crystal compass-shaped Mn3O4 via gamma-ray irradiation. Materials Letters, 2006, 60, 383-385.	1.3	36
78	Robust face recognition based on illumination invariant in nonsubsampled contourlet transform domain. Neurocomputing, 2010, 73, 2217-2224.	3.5	36
79	Controllable growth of SnS2/SnO2 heterostructured nanoplates via a hydrothermal-assisted self-hydrolysis process and their visible-light-driven photocatalytic reduction of Cr(vi). RSC Advances, 2014, 4, 29698-29701.	1.7	35
80	A one-pot â€œshielding-to-etchingâ€•strategy to synthesize amorphous MoS₂ modified CoS/Co_{0.85}Se heterostructured nanotube arrays for boosted energy-saving H₂ generation. Nanoscale, 2020, 12, 991-1001.	2.8	33
81	Effect of cooling field strength and ferromagnetic shell shape on exchange bias in nanoparticles with inverted ferromagneticâ€“antiferromagnetic coreâ€shell morphology. Physica Status Solidi (B): Basic Research, 2010, 247, 972-978.	0.7	32
82	Facile microemulsion route to coat carbonized glucose on upconversion nanocrystals as high luminescence and biocompatible cell-imaging probes. Nanotechnology, 2010, 21, 315105.	1.3	32
83	One-step construction of a transition-metal surface decorated with metal sulfide nanoparticles: A high-efficiency electrocatalyst for hydrogen generation. Journal of Colloid and Interface Science, 2020, 558, 1-8.	5.0	31
84	Facile Clâ¯-mediated hydrothermal synthesis of large-scale Ag nanowires from AgCl hydrosol. CrystEngComm, 2013, 15, 2598.	1.3	30
85	Electronic modulation of composite electrocatalysts derived from layered NiFeMn triple hydroxide nanosheets for boosted overall water splitting. Nanoscale, 2019, 11, 20797-20808.	2.8	30
86	Surface-anisotropy and training effects of exchange bias in nanoparticles with inverted ferromagnetic-antiferromagnetic core-shell morphology. Journal of Applied Physics, 2011, 110, .	1.1	29
87	Hierarchical molybdenum-doped cobaltous hydroxide nanotubes assembled by cross-linked porous nanosheets with efficient electronic modulation toward overall water splitting. Journal of Colloid and Interface Science, 2020, 562, 400-408.	5.0	29
88	Monodisperse ZnO Nanodots:â€‰ Synthesis, Charaterization, and Optoelectronic Properties. Journal of Physical Chemistry C, 2007, 111, 9757-9760.	1.5	28
89	Mesoporous silica-coated NaYF4 nanocrystals: facile synthesis, in vitro bioimaging and photodynamic therapy of cancer cells. RSC Advances, 2012, 2, 12263.	1.7	27
90	Electrostatic self-assembly of TiO2 nanoparticles onto carbon spheres with enhanced adsorption capability for Cr(VI). Materials Letters, 2012, 68, 174-177.	1.3	27

#	Article	IF	Citations
91	An efficient and stable Niâ€“Fe selenides/nitrogen-doped carbon nanotubes in situ-derived electrocatalyst for oxygen evolution reaction. Journal of Materials Science, 2020, 55, 13927-13937.	1.7	27
92	Glucose-assisted transformation of Ni-doped-ZnO@carbon to a Ni-doped-ZnO@void@SiO₂coreâ€“shell nanocomposite photocatalyst. RSC Advances, 2016, 6, 38653-38661.	1.7	26
93	Temperature-Triggered Self-Assembly of ZnO:â€‰ from Nanocrystals to Nanorods to Tablets. Inorganic Chemistry, 2007, 46, 11031-11035.	1.9	25
94	Enhanced Photoactivity and Photostability for Visibleâ€Lightâ€Driven Water Oxidation over BiFeO₃ Porous Nanotubes by Modification of Mo Doping and Carbon Nanocoating. ChemNanoMat, 2020, 6, 1325-1331.	1.5	24
95	Direct coating ZnO nanocrystals onto 1D Fe3O4/C composite microrods as highly efficient and reusable photocatalysts for water treatment. Journal of Alloys and Compounds, 2015, 637, 301-307.	2.8	23
96	Designed preparation of CoS/Co/MoC nanoparticles incorporated in N and S dual-doped porous carbon nanofibers for high-performance Zn-air batteries. Chinese Chemical Letters, 2021, 32, 2243-2248.	4.8	23
97	Preparation of hollow CdSe nanospheres. Materials Letters, 2004, 58, 2911-2913.	1.3	22
98	The Coreâ€“Shell Separation of Ferromagnetic Nanoparticles with Strong Surface Anisotropy. Journal of Nanoscience and Nanotechnology, 2009, 9, 5829-5833.	0.9	22
99	Creation and Annihilation of Skyrmions in the Frustrated Magnets with Competing Exchange Interactions. Scientific Reports, 2017, 7, 16079.	1.6	22
100	Rapid formation of AgnX(X = S, Cl, PO4, C2O4) nanotubes via an acid-etching anion exchange reaction. Nanoscale, 2014, 6, 5612-5615.	2.8	21
101	Synthesis and Characterization of Semiconductor Nanomaterials and Micromaterials via Gamma-irradiation Route. Journal of Cluster Science, 2007, 18, 371-387.	1.7	20
102	Perspective on Defective Semiconductor Heterojunctions for CO₂ Photoreduction. Langmuir, 2022, 38, 6491-6498.	1.6	20
103	Facile growth of ZnO nanocrystals on nitrogen-doped carbon nanotubes for visible-light photodegradation of dyes. Materials Letters, 2013, 100, 278-281.	1.3	19
104	Observation on asymmetric magnetization reversal in exchange-biased egg-shaped nanoparticles. Journal of Applied Physics, 2010, 108, 033904.	1.1	18
105	Photocatalytic studies of CdS nanoparticles assembled on carbon microsphere surfaces with different interface structures: from amorphous to graphite-like carbon. CrystEngComm, 2012, 14, 4507.	1.3	18
106	Exchange bias training relaxation in spin glass/ferromagnet bilayers. Applied Physics Letters, 2016, 108, .	1.5	18
107	Magnetocrystalline anisotropy imprinting of an antiferromagnet on an amorphous ferromagnet in FeRh/CoFeB heterostructures. NPG Asia Materials, 2020, 12, .	3.8	18
108	Dependence of exchange bias on core/shell relative dimension in ferromagnetic/antiferromagnetic nanoparticles. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 1667-1674.	0.9	17

#	Article	IF	Citations
109	Facile Growth of <scp><scp>Cu</scp></scp>₂<scp><scp>O</scp></scp> Nanowires on Reduced Graphene Sheets with High Nonenzymatic Electrocatalytic Activity Toward Glucose. Journal of the American Ceramic Society, 2014, 97, 811-815.	1.9	17
110	Blocking temperature in nanocrystalline systems with â€œalloy-likeâ€•ferromagneticâ€“antiferromagnetic heterogeneous morphology. Journal of Magnetism and Magnetic Materials, 2010, 322, 844-850.	1.0	16
111	Relative-thickness dependence of exchange bias in bilayers and trilayers. Journal of Magnetism and Magnetic Materials, 2012, 324, 3204-3208.	1.0	16
112	Facile preparation of ternary Ag2CO3/Ag/PANI composite nanorods with enhanced photoactivity and stability. Journal of Materials Science, 2017, 52, 4521-4531.	1.7	16
113	Preparation of ZnS nanocrystals in network of hydrogel. Materials Letters, 2003, 57, 1312-1316.	1.3	15
114	Decoration of ZnO nanocrystals on the surface of shuttle-shaped Mn2O3 and its magnetic-optical properties. CrystEngComm, 2010, 12, 2687.	1.3	15
115	Modeling of exchange bias in the antiferromagnetic (core)/ferromagnetic (shell) nanoparticles with specialized shapes. Journal of Magnetism and Magnetic Materials, 2011, 323, 2613-2621.	1.0	15
116	Synthesis of MWCNT/nickel glycolate polymer coreâ€“shell nanostructures and their nonenzymatic electrocatalytic activity toward glucose. Materials Chemistry and Physics, 2011, 130, 10-13.	2.0	15
117	Synthesis of hollow lead sulfide microspheres. Materials Letters, 2005, 59, 234-237.	1.3	14
118	Recent advances in the synthesis of non-carbon two-dimensional electrode materials for the aqueous electrolyte-based supercapacitors. Chinese Chemical Letters, 2021, 32, 3733-3752.	4.8	14
119	Synthesis of monodispersed CdS nanoballs through Î³-irradiation route and building coreâ€“shell structure CdS@SiO2. Materials Research Bulletin, 2007, 42, 2211-2218.	2.7	13
120	Coolingâ€•field dependence of exchange bias and asymmetric reversal modes in a nanoparticles system with ferromagnetic core and antiferromagnetic matrix morphology. Physica Status Solidi (B): Basic Research, 2009, 246, 2384-2391.	0.7	13
121	Exchange bias in a nanogranular system with competing ferromagnetic and antiferromagnetic exchange interactions. Physica Status Solidi (B): Basic Research, 2011, 248, 2932-2940.	0.7	13
122	Facile Low-Temperature Synthesis of Carbon Nanotube/ Nanohybrids with Enhanced Visible-Light-Driven Photocatalytic Activity. International Journal of Photoenergy, 2012, 2012, 1-6.	1.4	13
123	Selfâ€Assembly of CoPt Magnetic Nanoparticle Arrays and its Underlying Forces. Small, 2018, 14, e1801184.	5.2	13
124	Unsupervised Texture Classification by Combining Multi-Scale Features and K-Means Classifier. , 2009, , .		12
125	Facile synthesis of magnetic metal (Mn, Co, Fe, and Ni) oxide nanosheets. Materials Letters, 2010, 64, 1095-1098.	1.3	12
126	Self-assembly of TiO2 composite microspheres: Facile synthesis, characterization and photocatalytic activities. CrystEngComm, 2012, 14, 7118.	1.3	12

#	Article	IF	Citations
127	Carbon nanocoating: an effective nanoreactor towards well-defined carbon-coated GaN hollow nanospindles. Nanoscale, 2014, 6, 3051-3054.	2.8	12
128	Strain Control of Phase Transition and Exchange Bias in Flexible Heusler Alloy Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 24285-24294.	4.0	12
129	Preparation of well uniform-sized and monodisperse ZnS nanoballs by Î³-irradiation method. Materials Letters, 2007, 61, 115-118.	1.3	11
130	Monte Carlo simulation of exchange bias and training effects in ferromagnetic/antiferromagnetic bilayers with different NÃ©el temperatures. Thin Solid Films, 2014, 550, 608-615.	0.8	11
131	Role of antiferromagnetic bulk exchange coupling on exchange-bias propagation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2772-2776.	0.9	11
132	Formation of 1D chain-like Fe3O4@C/Pt sandwich nanocomposites and their magnetically recyclable catalytic property. Applied Surface Science, 2018, 457, 1136-1141.	3.1	11
133	An Improved Shape Signature for Shape Representation and Image Retrieval. Journal of Software, 2013, 8, .	0.6	11
134	Field-induced transitions from negative to positive exchange bias in nanoparticles with inverted ferromagnetic-antiferromagnetic core-shell morphology. Journal of Applied Physics, 2012, 111, 053904.	1.1	10
135	Spinâ€Glass Irreversibility Temperature and Magnetic Stabilization in Ferromagnet/Spinâ€Glass Bilayers. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900039.	1.2	10
136	Realizing efficient natural sunlight-driven photothermal selective catalytic reduction of nitrogen oxides by AlNx assisted W doped Fe2O3 nanosheets. Solar Energy Materials and Solar Cells, 2020, 208, 110395.	3.0	10
137	Antiferromagnetic cubic anisotropy governed exchange bias in CoFeB/IrMn bilayers. Physical Review B, 2022, 105, .	1.1	10
138	A novel route to prepare CdSe hollow structures. Materials Letters, 2003, 57, 3137-3139.	1.3	9
139	Exchange bias and its propagation in ferromagnetic/antiferromagnetic/ferromagnetic trilayers. Journal of Applied Physics, 2013, 114, 153901.	1.1	9
140	Origin of the Angular Dependent Magnetization Reversal Processes in Exchange-Biased Bilayers. Journal of the Physical Society of Japan, 2013, 82, 064602.	0.7	9
141	Role of ferromagnetic spin structure in magnetization reversal and exchange bias phenomena. Journal Physics D: Applied Physics, 2018, 51, 055001.	1.3	9
142	Low-field magnetocaloric effect in single crystals controlled by magnetocrystalline anisotropy. Applied Physics Letters, 2018, 113, .	1.5	9
143	Prediction of optimized magnetocaloric effect in anisotropic zinc ferrite nanoparticles: A Monte Carlo simulation. Journal of Alloys and Compounds, 2019, 801, 465-472.	2.8	9
144	Prediction of reentering and switching ferromagnet/antiferromagnet exchange bias by antiferromagnetic proximity effect. Nanotechnology, 2019, 30, 025708.	1.3	9

#	Article	IF	Citations
145	Inverse dependence of exchange bias and coercivity on cooling field caused by interfacial randomization in nanosystems with Co sparsely distributed in CoFe2O4 matrix. Journal of Materials Science and Technology, 2022, 98, 258-267.	5.6	9
146	Carbon/Metal-Sulfide Composite Template: A New Facile Route Toward Well-Defined Oxide Hollow Nanospheres. Journal of the American Ceramic Society, 2011, 94, 1667-1669.	1.9	8
147	A facile sacrificial template method to synthesize one-dimensional porous CdO/CdFe₂O₄ hybrid nanoneedles with superior adsorption performance. RSC Advances, 2017, 7, 5093-5100.	1.7	8
148	Magnetocaloric effect in cubically anisotropic magnets. Applied Physics Letters, 2019, 114, 023903.	1.5	8
149	Anisotropic coercivity and the effects of interlayer exchange coupling in CoFeB/FeRh bilayers. Physical Review B, 2021, 103, .	1.1	8
150	Performance of switch between exchange bias and coercivity: Influences of antiferromagnetic anisotropy and exchange coupling. Journal of Materials Science and Technology, 2022, 120, 186-195.	5.6	8
151	Effect of Antiferromagnet on Exchange Bias in Systems with Antiferromagnetic Interfacial Coupling and Inverted Ferromagneticâ€“Antiferromagnetic Core-Matrix Morphology. Journal of Nanoscience and Nanotechnology, 2010, 10, 7343-7346.	0.9	7
152	Effects of component ratio and easy axes distribution on the exchange bias in ferromagneticâ€“antiferromagnetic random alloys. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2575-2579.	0.9	7
153	Size-dependent exchange bias in ferromagnetic (core)/antiferromagnetic (shell) nanoparticles. Physica B: Condensed Matter, 2014, 449, 214-219.	1.3	7
154	Spin glass properties mapped by coercivity in ferromagnet/spin glass bilayers. Nanotechnology, 2019, 30, 125702.	1.3	7
155	Electric Control of Exchange Bias at Room Temperature by Resistive Switching via Electrochemical Metallization. ACS Applied Materials & Interfaces, 2022, 14, 26941-26948.	4.0	7
156	Surfactant-assisted self-assembly growth of single-crystalline ZnO microflowers at low temperature. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 313-314, 576-580.	2.3	6
157	One-pot synthesis of biocompatible Te@phenol formaldehyde resin coreâ€“shell nanowires with uniform size and unique fluorescent properties by a synergized softâ€“hard template process. Nanotechnology, 2010, 21, 495602.	1.3	6
158	Anomalous temperature and interfacialâ€coupling dependence of exchange bias in antiferromagnetic (core)/ferromagnetic (shell) nanoparticles. Physica Status Solidi (B): Basic Research, 2011, 248, 1967-1974.	0.7	6
159	One-step synthesis and self-organization of polypyrrole ultrathin films inlayed with Prussian blue nanoparticles induced by a drop of toluene solution on water surface. Thin Solid Films, 2012, 520, 2026-2031.	0.8	6
160	Angular dependencies of exchange bias and coercivity in the ferromagnetic/antiferromagnetic bilayers not subjected to field-cooling treatments. Solid State Communications, 2013, 168, 56-59.	0.9	6
161	Defect dependent multiple magnetization plateaus in frustrated spin-chain cobaltate. Journal of Magnetism and Magnetic Materials, 2013, 337-338, 46-52.	1.0	6
162	Transition region-based single-object image segmentation. AEU - International Journal of Electronics and Communications, 2014, 68, 1214-1223.	1.7	6

#	Article	IF	Citations
163	Visibleâ€Lightâ€Driven Electrocatalytic Oxygen Evolution Reaction: NiFe₂O₄/NiFeâ€“Layered Double Hydroxide Zâ€Scheme Heteronanosheet as a Model. Energy Technology, 2020, 8, 2000607.	1.8	6
164	Temperature controlled switchable exchange bias and coercivity in spin glass/ferromagnet multilayers under tilting magnetizing. Physical Chemistry Chemical Physics, 2020, 22, 9749-9758.	1.3	6
165	A Facile and Generic Strategy to Synthesize Large-Scale Carbon Nanotubes. Journal of Nanomaterials, 2010, 2010, 1-5.	1.5	5
166	Role of competing interactions on dynamic relaxation and exchange bias in spin-glass/ferromagnet bilayer. Journal of Materials Science and Technology, 2020, 51, 63-69.	5.6	5
167	Monte-Carlo modeling of exchange bias properties in amorphous magnets. Journal of Magnetism and Magnetic Materials, 2015, 393, 498-501.	1.0	4
168	Exchange bias and magnetization reversal in ferromagnet/antiferromagnet antidot arrays. Journal of Magnetism and Magnetic Materials, 2016, 413, 108-114.	1.0	4
169	Cooling-field dependence of dipole-induced loop bias. Nanotechnology, 2019, 30, 325701.	1.3	4
170	Halogen-based functionalized chemistry engineering for high-performance supercapacitors. Chinese Chemical Letters, 2023, 34, 107198.	4.8	4
171	Improvement and stabilization of exchange bias in ferromagnet/antiferromagnet/ferromagnet trilayers. Nanotechnology, 2020, 31, 125703.	1.3	3
172	Temperature dependence of dipole-induced exchange bias. Nanotechnology, 2020, 31, 305703.	1.3	3
173	Human Action Recognition Based on Key Frames. Communications in Computer and Information Science, 2011, , 535-542.	0.4	3
174	Solvothermal Synthesis of Nickel Glycolate Polymer and NiO Microtubes and Their Cr(VI) Absorbing Properties. Advanced Materials Research, 2012, 465, 210-214.	0.3	2
175	Quantitatively microscopic interpretations on magnetization-plateau phenomena in stacked triangular Ising antiferromagnets. Solid State Communications, 2014, 182, 5-9.	0.9	2
176	Effect of misaligned unidirectional and uniaxial anisotropies on angular dependence of exchange bias. Journal of Magnetism and Magnetic Materials, 2015, 374, 388-393.	1.0	2
177	Exchange bias mechanism at the ferromagnetic/antiferromagnetic interface with rotatable antiferromagnetic spins: A Monte Carlo study. Journal of Applied Physics, 2017, 122, 083902.	1.1	2
178	Magnetocaloric effect manipulated through interchain exchange coupling in nanochain arrays. Applied Physics Letters, 2020, 117, 063902.	1.5	2
179	Dense skyrmion crystal stabilized through interfacial exchange coupling: Role of in-plane anisotropy. Frontiers of Physics, 2021, 16, 1.	2.4	2
180	Optimization of spontaneous exchange bias in Mn-rich Heusler alloys. Physical Chemistry Chemical Physics, 2021, 23, 17365-17373.	1.3	2

#	Article	IF	Citations
181	Zero-field skyrmions in FeGe thin films stabilized through attaching a perpendicularly magnetized single-domain Ni layer. Chinese Physics B, 0, , .	0.7	2
182	Large-scale area of magnetically anisotropic nanoparticle monolayer films deposited by MAPLE. Journal of Materials Science and Technology, 2021, 106, 28-28.	5.6	2
183	Role of magnetocrystalline anisotropy on anisotropic magnetocaloric effect in single crystals. Applied Physics Letters, 2021, 119, 213903.	1.5	2
184	Anisotropic magnetostructural transition in epitaxial Mnâ€“Niâ€“Coâ€“Ti Heusler alloy thin film. Journal of Applied Physics, 2022, 131, 173902.	1.1	2
185	Automatic White Balance Based on Gaussian Decomposition. Applied Mechanics and Materials, 2012, 263-266, 2542-2546.	0.2	1
186	Skyrmion driven by rotary magnetic field on the surface of magnetic nanotube: a Monte Carlo study. Nanotechnology, 2021, 32, 275702.	1.3	1
187	Reduced norms of division algebras over complete discrete valuation fields of local-global type. Journal of Algebra and Its Applications, 2020, 19, 2050217.	0.3	1
188	Segmentation-Based Automatic White Balance Algorithm. Applied Mechanics and Materials, 0, 333-335, 954-957.	0.2	0
189	Giant Magnetocaloric Response Induced by Tuning the Intrinsic Exchange Field in the Alloys With Random Magnetic Anisotropy Under a Constant Magnetic Field. SSRN Electronic Journal, 0, , .	0.4	0
190	Back Cover Image, Volume 3, Number 6, November 2021. , 2021, 3, ii.		0
191	Skyrmion-(non)crystal structure stabilized by dipolar interaction. Rare Metals, 0, , .	3.6	0