

Yong Hu

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180
papers

8,048
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85
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191
ext. papers

9,395
ext. citations

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avg, IF

6.59
L-index

#	Paper	IF	Citations
180	Assembling carbon-coated Fe ₂ O ₃ hollow nanohorns on the CNT backbone for superior lithium storage capability. <i>Energy and Environmental Science</i> , 2012 , 5, 5252-5256	35.4	708
179	Construction of hierarchical NiCo ₂ S ₄ hollow nanobricks with oriented nanosheets for efficient overall water splitting. <i>Energy and Environmental Science</i> , 2018 , 11, 872-880	35.4	564
178	Carbon-coated CdS petalous nanostructures with enhanced photostability and photocatalytic activity. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5636-9	16.4	310
177	Formation of mesoporous heterostructured BiVO ₄ /Bi ₂ WO ₆ hollow discoids with enhanced photoactivity. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5917-21	16.4	250
176	A magnetically separable photocatalyst based on nest-like Fe ₃ O ₄ /ZnO double-shelled hollow structures with enhanced photocatalytic activity. <i>Nanoscale</i> , 2012 , 4, 183-7	7.7	231
175	Construction of CoO/Co-Cu-S Hierarchical Tubular Heterostructures for Hybrid Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15441-15447	16.4	217
174	Microwave-assisted synthesis of porous Ag ₂ S-Ag hybrid nanotubes with high visible-light photocatalytic activity. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11501-4	16.4	206
173	A Room-Temperature Postsynthetic Ligand Exchange Strategy to Construct Mesoporous Fe-Doped CoP Hollow Triangle Plate Arrays for Efficient Electrocatalytic Water Splitting. <i>Small</i> , 2018 , 14, e1704233 ¹¹	11	178
172	Graphene Layers-Wrapped Fe/Fe ₅ C ₂ Nanoparticles Supported on N-doped Graphene Nanosheets for Highly Efficient Oxygen Reduction. <i>Advanced Energy Materials</i> , 2018 , 8, 1702476	21.8	162
171	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. <i>Applied Catalysis B: Environmental</i> , 2012 , 125, 425-431	21.8	149
170	Coating colloidal carbon spheres with CdS nanoparticles: microwave-assisted synthesis and enhanced photocatalytic activity. <i>Langmuir</i> , 2010 , 26, 18570-5	4	145
169	Magnetic-field induced formation of 1D Fe ₃ O ₄ /C/CdS coaxial nanochains as highly efficient and reusable photocatalysts for water treatment. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18359		134
168	Seed-mediated synthesis of NaY F ₄ :Y ³⁺ , Er/NaGdF ₄ nanocrystals with improved upconversion fluorescence and MR relaxivity. <i>Nanotechnology</i> , 2010 , 21, 125602	3.4	134
167	One-Step Solvothermal Formation of Pt Nanoparticles Decorated Pt ²⁺ -Doped Fe ₂ O ₃ Nanoplates with Enhanced Photocatalytic O ₂ Evolution. <i>ACS Catalysis</i> , 2019 , 9, 1211-1219	13.1	125
166	A microwave-assisted rapid route to synthesize ZnO/ZnS core-shell nanostructures via controllable surface sulfidation of ZnO nanorods. <i>CrystEngComm</i> , 2011 , 13, 3438	3.3	118
165	Facile synthesis of Z-scheme Ag ₂ CO ₃ /Ag/AgBr ternary heterostructured nanorods with improved photostability and photoactivity. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5474-5481	13	113
164	Effects of nano-TiO ₂ on photosynthetic characteristics of <i>Ulmus elongata</i> seedlings. <i>Environmental Pollution</i> , 2013 , 176, 63-70	9.3	110

163	One-pot magnetic field induced formation of Fe ₃ O ₄ /C composite microrods with enhanced lithium storage capability. <i>Small</i> , 2014 , 10, 2815-9, 2742	11	107
162	Facile one-pot synthesis of uniform TiO ₂ -Ag hybrid hollow spheres with enhanced photocatalytic activity. <i>Dalton Transactions</i> , 2013 , 42, 1122-8	4.3	106
161	Selective light absorber-assisted single nickel atom catalysts for ambient sunlight-driven CO methanation. <i>Nature Communications</i> , 2019 , 10, 2359	17.4	99
160	Construction of mesoporous Cu-doped Co ₉ S ₈ rectangular nanotube arrays for high energy density all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 5333-5343	13	97
159	Passivation of defect states in anatase TiO ₂ hollow spheres with Mg doping: Realizing efficient photocatalytic overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 127-133	21.8	96
158	Facile formation of mesoporous BiVO ₄ /Ag/AgCl heterostructured microspheres with enhanced visible-light photoactivity. <i>Inorganic Chemistry</i> , 2015 , 54, 9033-9	5.1	93
157	Uniform hamburger-like mesoporous carbon-incorporated ZnO nanoarchitectures: One-pot solvothermal synthesis, high adsorption and visible-light photocatalytic decolorization of dyes. <i>Applied Catalysis B: Environmental</i> , 2013 , 138-139, 1-8	21.8	89
156	Hierarchical MoS ₂ /NiCo ₂ S ₄ @C urchin-like hollow microspheres for asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2020 , 380, 122544	14.7	86
155	Microwave-assisted synthesis of porous CdO@CdS core-shell nanoboxes with enhanced visible-light-driven photocatalytic reduction of Cr(VI). <i>Journal of Materials Chemistry</i> , 2012 , 22, 13895		79
154	Reduced CoNi ₂ S ₄ nanosheets with enhanced conductivity for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2018 , 278, 33-41	6.7	78
153	Construction of hierarchical FeP/Ni ₂ P hollow nanospindles for efficient oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14103-14111	13	77
152	Facile one-pot solvothermal preparation of Mo-doped Bi ₂ WO ₆ biscuit-like microstructures for visible-light-driven photocatalytic water oxidation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 13242-13250	13	75
151	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. <i>Chemical Engineering Journal</i> , 2021 , 403, 126385	14.7	72
150	Facile in-situ growth of NiP/FeP nanohybrids on Ni foam for highly efficient urea electrolysis. <i>Journal of Colloid and Interface Science</i> , 2019 , 541, 279-286	9.3	70
149	Facile one-step microwave-assisted route towards Ni nanospheres/reduced graphene oxide hybrids for non-enzymatic glucose sensing. <i>Sensors</i> , 2012 , 12, 4860-9	3.8	69
148	Unusual formation of tetragonal microstructures from nitrogen-doped carbon nanocapsules with cobalt nanocores as a bi-functional oxygen electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2271-2279	13	68
147	Hierarchical Cu ₂ S@NiCo-LDH double-shelled nanotube arrays with enhanced electrochemical performance for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22163-22174	13	67
146	Scalable fabrication of ZnxCd _{1-x} S double-shell hollow nanospheres for highly efficient hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2018 , 239, 309-316	21.8	64

145	Magnetite (Fe ₃ O ₄) tetrakaidecahedral microcrystals: Synthesis, characterization, and micro-Raman study. <i>Materials Characterization</i> , 2011 , 62, 148-151	3.9	63
144	Microwave-assisted deposition of metal sulfide/oxide nanocrystals onto a 3D hierarchical flower-like TiO ₂ nanostructure with improved photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8101	13	59
143	Formation of sandwiched leaf-like CNTs-Co/ZnCo ₂ O ₄ @NC-CNTs nanohybrids for high-power-density rechargeable Zn-air batteries. <i>Nano Energy</i> , 2021 , 82, 105710	17.1	59
142	ZnO/ZnFe ₂ O ₄ Magnetic Fluorescent Bifunctional Hollow Nanospheres: Synthesis, Characterization, and Their Optical/Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 17455-17459	3.8	57
141	One-Step Solvothermal Synthesis of Petal-like Carbon-Coated Cu-Doped CdS Nanocomposites with Enhanced Photocatalytic Hydrogen Production. <i>Langmuir</i> , 2017 , 33, 6719-6726	4	55
140	Directly coat TiO ₂ on hydrophobic NaYF ₄ :Yb,Tm nanoplates and regulate their photocatalytic activities with the core size. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13486-13491	13	55
139	Carbon-coated Fe ₃ O ₄ microspheres with a porous multideck-cage structure for highly reversible lithium storage. <i>Chemical Communications</i> , 2015 , 51, 6921-4	5.8	54
138	One-pot solvothermal synthesis of multi-shelled Fe ₂ O ₃ hollow spheres with enhanced visible-light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2013 , 551, 440-443	5.7	54
137	A facile sequential ion exchange strategy to synthesize CoSe/FeSe double-shelled hollow nanocuboids for the highly active and stable oxygen evolution reaction. <i>Nanoscale</i> , 2019 , 11, 10738-10745	7.7	51
136	Construction of sugar-gourd-shaped CdS/Co _{1-x} S hollow hetero-nanostructure as an efficient Z-scheme photocatalyst for hydrogen generation. <i>Chemical Engineering Journal</i> , 2020 , 400, 125925	14.7	48
135	Microwave-assisted route to fabricate coaxial ZnO/C/CdS nanocables with enhanced visible light-driven photocatalytic activity. <i>CrystEngComm</i> , 2012 , 14, 7686	3.3	48
134	Fabrication of Porous Cu-Doped BiVO ₄ Nanotubes as Efficient Oxygen-Evolving Photocatalysts. <i>ACS Applied Nano Materials</i> , 2018 , 1, 2589-2599	5.6	45
133	Facile formation of Ag ₂ WO ₄ /AgX (X = Cl, Br, I) hybrid nanorods with enhanced visible-light-driven photoelectrochemical properties. <i>Materials Research Bulletin</i> , 2015 , 61, 315-320	5.1	44
132	Band-gap engineering of porous BiVO ₄ nanoshuttles by Fe and Mo co-doping for efficient photocatalytic water oxidation. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 2045-2054	6.8	43
131	Formation of MS-Ag and MS (M = Pb, Cd, Zn) nanotubes via microwave-assisted cation exchange and their enhanced photocatalytic activities. <i>Nanoscale</i> , 2013 , 5, 10864-7	7.7	43
130	Facile synthesis of Ag ₂ WO ₄ /AgCl nanorods for excellent photocatalytic properties. <i>Materials Letters</i> , 2013 , 91, 129-132	3.3	43
129	The effect of field-cooling strength and interfacial coupling on exchange bias in a granular system of ferromagnetic nanoparticles embedded in an antiferromagnetic matrix. <i>Journal of Applied Physics</i> , 2007 , 102, 113911	2.5	43
128	Approach of fermi level and electron-trap level in cadmium sulfide nanorods via molybdenum doping with enhanced carrier separation for boosted photocatalytic hydrogen production. <i>Journal of Colloid and Interface Science</i> , 2021 , 583, 661-671	9.3	43

127	Room-temperature irradiation route to synthesize a large-scale single-crystalline ZnO hexangular prism. <i>Inorganic Chemistry</i> , 2005 , 44, 7280-2	5.1	42
126	Facile synthesis of porous Bi ₂ O ₃ -BiVO ₄ p-n heterojunction composite microrods with highly efficient photocatalytic degradation of phenol. <i>Journal of Alloys and Compounds</i> , 2016 , 688, 1080-1087	5.7	42
125	Facile preparation of 2D sandwich-like CdS nanoparticles/nitrogen-doped reduced graphene oxide hybrid nanosheets with enhanced photoelectrochemical properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19815-19821	13	41
124	Silica-based complex nanorattles as multifunctional carrier for anticancer drug. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8052		40
123	Thickness-dependent carrier separation in Bi ₂ Fe ₄ O ₉ nanoplates with enhanced photocatalytic water oxidation. <i>Chemical Engineering Journal</i> , 2020 , 385, 123929	14.7	39
122	New types of hybrid electrolytes for supercapacitors. <i>Journal of Energy Chemistry</i> , 2021 , 57, 219-232	12	38
121	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. <i>Journal of Materials Science</i> , 2019 , 54, 5412-5423	4.3	37
120	A new photocatalyst based on Co(CO ₃) _{0.5} (OH)·11H ₂ O/Bi ₂ WO ₆ nanocomposites for high-efficiency cocatalyst-free O ₂ evolution. <i>Chemical Engineering Journal</i> , 2019 , 359, 924-932	14.7	37
119	Molecule-assisted modulation of the high-valence Co ³⁺ in 3D honeycomb-like Co _x S _y networks for high-performance solid-state asymmetric supercapacitors. <i>Science China Materials</i> , 2021 , 64, 840-851	7.1	36
118	Controllable one-pot synthesis of various one-dimensional Bi ₂ S ₃ nanostructures and their enhanced visible-light-driven photocatalytic reduction of Cr(VI). <i>Journal of Alloys and Compounds</i> , 2014 , 611, 335-340	5.7	35
117	Controllable growth of SnS ₂ /SnO ₂ heterostructured nanoplates via a hydrothermal-assisted self-hydrolysis process and their visible-light-driven photocatalytic reduction of Cr(VI). <i>RSC Advances</i> , 2014 , 4, 29698-29701	3.7	34
116	Synthesis of Mesoporous SiO ₂ @TiO ₂ Core/Shell Nanospheres with Enhanced Photocatalytic Properties. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 306-310	3.1	34
115	Automatic Pavement Crack Detection Using Texture and Shape Descriptors. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , 2010 , 27, 398	1.5	34
114	Facile fabrication of mesoporous BiOCl/(BiO) ₂ CO ₃ /Bi ₂ O ₃ ternary flower-like heterostructured microspheres with high visible-light-driven photoactivity. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22413-22420	13.2	23
113	Beyond CoO: a versatile amorphous cobalt species as an efficient cocatalyst for visible-light-driven photocatalytic water oxidation. <i>Chemical Communications</i> , 2019 , 55, 14050-14053	5.8	33
112	Synthesis of monodispersed single-crystal compass-shaped Mn ₃ O ₄ via gamma-ray irradiation. <i>Materials Letters</i> , 2006 , 60, 383-385	3.3	32
111	Oxygen-vacancy-assisted construction of FeOOH/CdS heterostructure as an efficient bifunctional photocatalyst for CO ₂ conversion and water oxidation. <i>Applied Catalysis B: Environmental</i> , 2021 , 293, 120203	21.8	31
110	Robust face recognition based on illumination invariant in nonsubsampled contourlet transform domain. <i>Neurocomputing</i> , 2010 , 73, 2217-2224	5.4	30

109	Effect of cooling field strength and ferromagnetic shell shape on exchange bias in nanoparticles with inverted ferromagnetic-antiferromagnetic core-shell morphology. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, NA-NA	1.3	30
108	Electrospinning preparation of Sn ⁴⁺ -doped BiFeO ₃ nanofibers as efficient visible-light-driven photocatalyst for O ₂ evolution. <i>Journal of Alloys and Compounds</i> , 2018 , 766, 274-283	5.7	28
107	Facile microemulsion route to coat carbonized glucose on upconversion nanocrystals as high luminescence and biocompatible cell-imaging probes. <i>Nanotechnology</i> , 2010 , 21, 315105	3.4	28
106	Monodisperse ZnO Nanodots: Synthesis, Characterization, and Optoelectronic Properties. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 9757-9760	3.8	27
105	Trifunctional electrocatalyst of N-doped graphitic carbon nanosheets encapsulated with CoFe alloy nanocrystals: The key roles of bimetal components and high-content graphitic-N. <i>Applied Catalysis B: Environmental</i> , 2021 , 298, 120512	21.8	27
104	Facile Cl ⁻ mediated hydrothermal synthesis of large-scale Ag nanowires from AgCl hydrosol. <i>CrytEngComm</i> , 2013 , 15, 2598	3.3	26
103	Mesoporous silica-coated NaYF ₄ nanocrystals: facile synthesis, in vitro bioimaging and photodynamic therapy of cancer cells. <i>RSC Advances</i> , 2012 , 2, 12263	3.7	26
102	Surface-anisotropy and training effects of exchange bias in nanoparticles with inverted ferromagnetic-antiferromagnetic core-shell morphology. <i>Journal of Applied Physics</i> , 2011 , 110, 033908	2.5	26
101	One-step phosphorization preparation of gradient-P-doped CdS/CoP hybrid nanorods having multiple channel charge separation for photocatalytic reduction of water. <i>Journal of Colloid and Interface Science</i> , 2021 , 596, 431-441	9.3	26
100	Temperature-triggered self-assembly of ZnO: from nanocrystals to nanorods to tablets. <i>Inorganic Chemistry</i> , 2007 , 46, 11031-5	5.1	24
99	A one-pot "shielding-to-etching" strategy to synthesize amorphous MoS ₂ modified CoS/CoSe heterostructured nanotube arrays for boosted energy-saving H ₂ generation. <i>Nanoscale</i> , 2020 , 12, 991-1007	7.7	23
98	Electrostatic self-assembly of TiO ₂ nanoparticles onto carbon spheres with enhanced adsorption capability for Cr(VI). <i>Materials Letters</i> , 2012 , 68, 174-177	3.3	22
97	The core-shell separation of ferromagnetic nanoparticles with strong surface anisotropy. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 5829-33	1.3	22
96	Preparation of hollow CdSe nanospheres. <i>Materials Letters</i> , 2004 , 58, 2911-2913	3.3	22
95	Direct coating ZnO nanocrystals onto 1D Fe ₃ O ₄ /C composite microrods as highly efficient and reusable photocatalysts for water treatment. <i>Journal of Alloys and Compounds</i> , 2015 , 637, 301-307	5.7	20
94	Rapid formation of Ag(n)X(X = S, Cl, PO ₄ , C ₂ O ₄) nanotubes via an acid-etching anion exchange reaction. <i>Nanoscale</i> , 2014 , 6, 5612-5	7.7	20
93	Facile growth of ZnO nanocrystals on nitrogen-doped carbon nanotubes for visible-light photodegradation of dyes. <i>Materials Letters</i> , 2013 , 100, 278-281	3.3	19
92	Glucose-assisted transformation of Ni-doped-ZnO@carbon to a Ni-doped-ZnO@void@SiO ₂ core-shell nanocomposite photocatalyst. <i>RSC Advances</i> , 2016 , 6, 38653-38661	3.7	19

91	One-step construction of a transition-metal surface decorated with metal sulfide nanoparticles: A high-efficiency electrocatalyst for hydrogen generation. <i>Journal of Colloid and Interface Science</i> , 2020 , 558, 1-8	9.3	19
90	Photocatalytic studies of CdS nanoparticles assembled on carbon microsphere surfaces with different interface structures: from amorphous to graphite-like carbon. <i>CrystEngComm</i> , 2012 , 14, 4507	3.3	18
89	Observation on asymmetric magnetization reversal in exchange-biased egg-shaped nanoparticles. <i>Journal of Applied Physics</i> , 2010 , 108, 033904	2.5	18
88	Synthesis and Characterization of Semiconductor Nanomaterials and Micromaterials via Gamma-irradiation Route. <i>Journal of Cluster Science</i> , 2007 , 18, 371-387	3	17
87	Electronic modulation of composite electrocatalysts derived from layered NiFeMn triple hydroxide nanosheets for boosted overall water splitting. <i>Nanoscale</i> , 2019 , 11, 20797-20808	7.7	17
86	Facile Growth of Cu ₂ O Nanowires on Reduced Graphene Sheets with High Nonenzymatic Electrocatalytic Activity Toward Glucose. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 811-815	3.8	16
85	Relative-thickness dependence of exchange bias in bilayers and trilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3204-3208	2.8	16
84	Blocking temperature in nanocrystalline systems with alloy-like ferromagnetic/antiferromagnetic heterogeneous morphology. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 844-850	2.8	16
83	Synergistic effects of Fe and Mn dual-doping in CoS ultrathin nanosheets for high-performance hybrid supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021 , 590, 226-237	9.3	16
82	Exchange bias training relaxation in spin glass/ferromagnet bilayers. <i>Applied Physics Letters</i> , 2016 , 108, 172401	3.4	16
81	Enhanced Photoactivity and Photostability for Visible-Light-Driven Water Oxidation over BiFeO ₃ Porous Nanotubes by Modification of Mo Doping and Carbon Nanocoating. <i>ChemNanoMat</i> , 2020 , 6, 1325-1331	3.5	16
80	Creation and Annihilation of Skyrmions in the Frustrated Magnets with Competing Exchange Interactions. <i>Scientific Reports</i> , 2017 , 7, 16079	4.9	15
79	Modeling of exchange bias in the antiferromagnetic (core)/ferromagnetic (shell) nanoparticles with specialized shapes. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 2613-2621	2.8	15
78	Decoration of ZnO nanocrystals on the surface of shuttle-shaped Mn ₂ O ₃ and its magnetic-optical properties. <i>CrystEngComm</i> , 2010 , 12, 2687	3.3	15
77	Preparation of ZnS nanocrystals in network of hydrogel. <i>Materials Letters</i> , 2003 , 57, 1312-1316	3.3	15
76	Facile preparation of ternary Ag ₂ CO ₃ /Ag/PANI composite nanorods with enhanced photoactivity and stability. <i>Journal of Materials Science</i> , 2017 , 52, 4521-4531	4.3	14
75	Dependence of exchange bias on core/shell relative dimension in ferromagnetic/antiferromagnetic nanoparticles. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 1667-1674	2.3	14
74	Synthesis of MWCNT/nickel glycolate polymer core-shell nanostructures and their nonenzymatic electrocatalytic activity toward glucose. <i>Materials Chemistry and Physics</i> , 2011 , 130, 10-13	4.4	14

73	Synthesis of hollow lead sulfide microspheres. <i>Materials Letters</i> , 2005 , 59, 234-237	3.3	14
72	Cooling-field dependence of exchange bias and asymmetric reversal modes in a nanoparticles system with ferromagnetic core and antiferromagnetic matrix morphology. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2384-2391	1.3	13
71	Hierarchical molybdenum-doped cobaltous hydroxide nanotubes assembled by cross-linked porous nanosheets with efficient electronic modulation toward overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2020 , 562, 400-408	9.3	13
70	Self-assembly of TiO ₂ composite microspheres: Facile synthesis, characterization and photocatalytic activities. <i>CrystEngComm</i> , 2012 , 14, 7118	3.3	12
69	Exchange bias in a nanogranular system with competing ferromagnetic and antiferromagnetic exchange interactions. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 2932-2940	1.3	12
68	Facile synthesis of magnetic metal (Mn, Co, Fe, and Ni) oxide nanosheets. <i>Materials Letters</i> , 2010 , 64, 1095-1098	3.3	12
67	Synthesis of monodispersed CdS nanoballs through γ irradiation route and building core-shell structure CdS@SiO ₂ . <i>Materials Research Bulletin</i> , 2007 , 42, 2211-2218	5.1	12
66	Role of antiferromagnetic bulk exchange coupling on exchange-bias propagation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015 , 379, 2772-2776	2.3	10
65	Facile Low-Temperature Synthesis of Carbon Nanotube/ Nanohybrids with Enhanced Visible-Light-Driven Photocatalytic Activity. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-6	2.1	10
64	Preparation of well uniform-sized and monodisperse ZnS nanoballs by γ irradiation method. <i>Materials Letters</i> , 2007 , 61, 115-118	3.3	10
63	Precise regulation of pyrrole-type single-atom Mn-N ₄ sites for superior pH-universal oxygen reduction 2021 , 3, 856		10
62	Formation of 1D chain-like Fe ₃ O ₄ @C/Pt sandwich nanocomposites and their magnetically recyclable catalytic property. <i>Applied Surface Science</i> , 2018 , 457, 1136-1141	6.7	9
61	Carbon nanocoating: an effective nanoreactor towards well-defined carbon-coated GaN hollow nanospindles. <i>Nanoscale</i> , 2014 , 6, 3051-4	7.7	9
60	Monte Carlo simulation of exchange bias and training effects in ferromagnetic/antiferromagnetic bilayers with different Néel temperatures. <i>Thin Solid Films</i> , 2014 , 550, 608-615	2.2	9
59	Exchange bias and its propagation in ferromagnetic/antiferromagnetic/ferromagnetic trilayers. <i>Journal of Applied Physics</i> , 2013 , 114, 153901	2.5	9
58	Field-induced transitions from negative to positive exchange bias in nanoparticles with inverted ferromagnetic-antiferromagnetic core-shell morphology. <i>Journal of Applied Physics</i> , 2012 , 111, 053904	2.5	9
57	A novel route to prepare CdSe hollow structures. <i>Materials Letters</i> , 2003 , 57, 3137-3139	3.3	9
56	A facile sacrificial template method to synthesize one-dimensional porous CdO/CdFe ₂ O ₄ hybrid nanoneedles with superior adsorption performance. <i>RSC Advances</i> , 2017 , 7, 5093-5100	3.7	8

55	An efficient and stable NiFe selenides/nitrogen-doped carbon nanotubes in situ-derived electrocatalyst for oxygen evolution reaction. <i>Journal of Materials Science</i> , 2020 , 55, 13927-13937	4.3	8
54	Role of ferromagnetic spin structure in magnetization reversal and exchange bias phenomena. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 055001	3	8
53	Self-Assembly of CoPt Magnetic Nanoparticle Arrays and its Underlying Forces. <i>Small</i> , 2018 , 14, e1801184	4.4	8
52	Origin of the Angular Dependent Magnetization Reversal Processes in Exchange-Biased Bilayers. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 064602	1.5	8
51	Carbon/Metal-Sulfide Composite Template: A New Facile Route Toward Well-Defined Oxide Hollow Nanospheres. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 1667-1669	3.8	8
50	Unsupervised Texture Classification by Combining Multi-Scale Features and K-Means Classifier 2009 ,		8
49	Prediction of reentering and switching ferromagnet/antiferromagnet exchange bias by antiferromagnetic proximity effect. <i>Nanotechnology</i> , 2019 , 30, 025708	3.4	8
48	Size-dependent exchange bias in ferromagnetic (core)/antiferromagnetic (shell) nanoparticles. <i>Physica B: Condensed Matter</i> , 2014 , 449, 214-219	2.8	7
47	Effect of antiferromagnet on exchange bias in systems with antiferromagnetic interfacial coupling and inverted ferromagnetic-antiferromagnetic core-matrix morphology. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 7343-6	1.3	7
46	Effects of component ratio and easy axes distribution on the exchange bias in ferromagnetic/antiferromagnetic random alloys. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 2575-2579	2.3	7
45	Accelerating Triple Transport in Zinc-Air Batteries and Water Electrolysis by Spatially Confining Co Nanoparticles in Breathable Honeycomb-Like Macroporous N-Doped Carbon. <i>Small</i> , 2021 , 17, e2103517 ¹¹		7
44	Low-field magnetocaloric effect in single crystals controlled by magnetocrystalline anisotropy. <i>Applied Physics Letters</i> , 2018 , 113, 133902	3.4	7
43	Prediction of optimized magnetocaloric effect in anisotropic zinc ferrite nanoparticles: A Monte Carlo simulation. <i>Journal of Alloys and Compounds</i> , 2019 , 801, 465-472	5.7	6
42	Spin glass properties mapped by coercivity in ferromagnet/spin glass bilayers. <i>Nanotechnology</i> , 2019 , 30, 125702	3.4	6
41	Spin-Glass Irreversibility Temperature and Magnetic Stabilization in Ferromagnet/Spin-Glass Bilayers. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1900039	2.5	6
40	Transition region-based single-object image segmentation. <i>AEU - International Journal of Electronics and Communications</i> , 2014 , 68, 1214-1223	2.8	6
39	One-step synthesis and self-organization of polypyrrole ultrathin films inlaid with Prussian blue nanoparticles induced by a drop of toluene solution on water surface. <i>Thin Solid Films</i> , 2012 , 520, 2026-2031	2.3	6
38	Angular dependencies of exchange bias and coercivity in the ferromagnetic/antiferromagnetic bilayers not subjected to field-cooling treatments. <i>Solid State Communications</i> , 2013 , 168, 56-59	1.6	6

37	Anomalous temperature and interfacial-coupling dependence of exchange bias in antiferromagnetic (core)/ferromagnetic (shell) nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 1967-1974	1.3	6
36	Surfactant-assisted self-assembly growth of single-crystalline ZnO microflowers at low temperature. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 313-314, 576-580	5.1	6
35	Strain Control of Phase Transition and Exchange Bias in Flexible Heusler Alloy Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 24285-24294	9.5	6
34	Designed preparation of CoS/Co/MoC nanoparticles incorporated in N and S dual-doped porous carbon nanofibers for high-performance Zn-air batteries. <i>Chinese Chemical Letters</i> , 2021 , 32, 2243-2248	8.1	6
33	Realizing efficient natural sunlight-driven photothermal selective catalytic reduction of nitrogen oxides by Al _{Nx} assisted W doped Fe ₂ O ₃ nanosheets. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 208, 110395	6.4	5
32	Defect dependent multiple magnetization plateaus in frustrated spin-chain cobaltate. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 337-338, 46-52	2.8	5
31	A Facile and Generic Strategy to Synthesize Large-Scale Carbon Nanotubes. <i>Journal of Nanomaterials</i> , 2010 , 2010, 1-5	3.2	5
30	One-pot synthesis of biocompatible Te@phenol formaldehyde resin core-shell nanowires with uniform size and unique fluorescent properties by a synergized soft-hard template process. <i>Nanotechnology</i> , 2010 , 21, 495602	3.4	5
29	Magnetocaloric effect in cubically anisotropic magnets. <i>Applied Physics Letters</i> , 2019 , 114, 023903	3.4	5
28	An Improved Shape Signature for Shape Representation and Image Retrieval. <i>Journal of Software</i> , 2013 , 8,	3	4
27	Visible-Light-Driven Electrocatalytic Oxygen Evolution Reaction: NiFe ₂ O ₄ /NiFe layered Double Hydroxide Z-Scheme Heteronanoshet as a Model. <i>Energy Technology</i> , 2020 , 8, 2000607	3.5	4
26	Magnetocrystalline anisotropy imprinting of an antiferromagnet on an amorphous ferromagnet in FeRh/CoFeB heterostructures. <i>NPG Asia Materials</i> , 2020 , 12,	10.3	4
25	Exchange bias and magnetization reversal in ferromagnet/antiferromagnet antidot arrays. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 413, 108-114	2.8	4
24	Cooling-field dependence of dipole-induced loop bias. <i>Nanotechnology</i> , 2019 , 30, 325701	3.4	3
23	Monte-Carlo modeling of exchange bias properties in amorphous magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 393, 498-501	2.8	3
22	Role of competing interactions on dynamic relaxation and exchange bias in spin-glass/ferromagnet bilayer. <i>Journal of Materials Science and Technology</i> , 2020 , 51, 63-69	9.1	3
21	Human Action Recognition Based on Key Frames. <i>Communications in Computer and Information Science</i> , 2011 , 535-542	0.3	3
20	Effect of misaligned unidirectional and uniaxial anisotropies on angular dependence of exchange bias. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 374, 388-393	2.8	2

19	Quantitatively microscopic interpretations on magnetization-plateau phenomena in stacked triangular Ising antiferromagnets. <i>Solid State Communications</i> , 2014 , 182, 5-9	1.6	2
18	Exchange bias mechanism at the ferromagnetic/antiferromagnetic interface with rotatable antiferromagnetic spins: A Monte Carlo study. <i>Journal of Applied Physics</i> , 2017 , 122, 083902	2.5	2
17	Solvothermal Synthesis of Nickel Glycolate Polymer and NiO Microtubes and Their Cr(VI) Absorbing Properties. <i>Advanced Materials Research</i> , 2012 , 465, 210-214	0.5	2
16	Improvement and stabilization of exchange bias in ferromagnet/antiferromagnet/ferromagnet trilayers. <i>Nanotechnology</i> , 2020 , 31, 125703	3.4	2
15	Temperature controlled switchable exchange bias and coercivity in spin glass/ferromagnet multilayers under tilting magnetizing. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 9749-9758	3.6	2
14	Temperature dependence of dipole-induced exchange bias. <i>Nanotechnology</i> , 2020 , 31, 305703	3.4	1
13	Automatic White Balance Based on Gaussian Decomposition. <i>Applied Mechanics and Materials</i> , 2012 , 263-266, 2542-2546	0.3	1
12	Reduced norms of division algebras over complete discrete valuation fields of local-global type. <i>Journal of Algebra and Its Applications</i> , 2020 , 19, 2050217	0.4	1
11	Skyrmion driven by rotary magnetic field on the surface of magnetic nanotube: a Monte Carlo study. <i>Nanotechnology</i> , 2021 , 32,	3.4	1
10	Recent advances in the synthesis of non-carbon two-dimensional electrode materials for the aqueous electrolyte-based supercapacitors. <i>Chinese Chemical Letters</i> , 2021 , 32, 3733-3733	8.1	1
9	Inverse dependence of exchange bias and coercivity on cooling field caused by interfacial randomization in nanosystems with Co sparsely distributed in CoFe ₂ O ₄ matrix. <i>Journal of Materials Science and Technology</i> , 2021 , 98, 258-258	9.1	1
8	Role of magnetocrystalline anisotropy on anisotropic magnetocaloric effect in single crystals. <i>Applied Physics Letters</i> , 2021 , 119, 213903	3.4	0
7	Magnetocaloric effect manipulated through interchain exchange coupling in nanochain arrays. <i>Applied Physics Letters</i> , 2020 , 117, 063902	3.4	0
6	Dense skyrmion crystal stabilized through interfacial exchange coupling: Role of in-plane anisotropy. <i>Frontiers of Physics</i> , 2021 , 16, 1	3.7	0
5	Optimization of spontaneous exchange bias in Mn-rich Heusler alloys. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 17365-17373	3.6	0
4	Large-scale area of magnetically anisotropic nanoparticle monolayer films deposited by MAPLE. <i>Journal of Materials Science and Technology</i> , 2021 , 106, 28-28	9.1	0
3	Performance of switch between exchange bias and coercivity: Influences of antiferromagnetic anisotropy and exchange coupling. <i>Journal of Materials Science and Technology</i> , 2022 , 120, 186-195	9.1	0
2	Anisotropic magnetostructural transition in epitaxial Mn _{1-x} Ni _x CoTi Heusler alloy thin film. <i>Journal of Applied Physics</i> , 2022 , 131, 173902	2.5	0

- 1 Segmentation-Based Automatic White Balance Algorithm. *Applied Mechanics and Materials*, **2013**, 333-335, 954-957

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