

Yong Hu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/284946/yong-hu-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

180
papers

8,048
citations

46
h-index

85
g-index

191
ext. papers

9,395
ext. citations

6.7
avg, IF

6.59
L-index

#	Paper	IF	Citations
180	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
179	Anisotropic magnetostructural transition in epitaxial MnNiCoTi Heusler alloy thin film. <i>Journal of Applied Physics</i> , 2022 , 131, 173902	2.5	0
178	Role of magnetocrystalline anisotropy on anisotropic magnetocaloric effect in single crystals. <i>Applied Physics Letters</i> , 2021 , 119, 213903	3.4	0
177	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
176	Skyrmion driven by rotary magnetic field on the surface of magnetic nanotube: a Monte Carlo study. <i>Nanotechnology</i> , 2021 , 32,	3.4	1
175	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
174	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
173	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
172	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
171	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
170	New types of hybrid electrolytes for supercapacitors. <i>Journal of Energy Chemistry</i> , 2021 , 57, 219-232	12	38
169	Dense skyrmion crystal stabilized through interfacial exchange coupling: Role of in-plane anisotropy. <i>Frontiers of Physics</i> , 2021 , 16, 1	3.7	0
168	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
167	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
166	Optimization of spontaneous exchange bias in Mn-rich Heusler alloys. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 17365-17373	3.6	0
165	Precise regulation of pyrrole-type single-atom Mn-N ₄ sites for superior pH-universal oxygen reduction 2021 , 3, 856		10
164	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

163	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
162	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
161	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
160	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
159	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
158	Temperature dependence of dipole-induced exchange bias. <i>Nanotechnology</i> , 2020 , 31, 305703	3.4	1
157	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
156	An efficient and stable NiBe 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
155	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
154	Realizing efficient natural sunlight-driven photothermal selective catalytic reduction of nitrogen oxides by AlN _x assisted W doped Fe ₂ O ₃ nanosheets. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 208, 110395	6.4	5
153	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
152	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, 991-1001	7.7	23
151	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
150	Improvement and stabilization of exchange bias in ferromagnet/antiferromagnet/ferromagnet trilayers. <i>Nanotechnology</i> , 2020 , 31, 125703	3.4	2
149	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
148	Visible-Light-Driven Electrocatalytic Oxygen Evolution Reaction: NiFe ₂ O ₄ /NiFe ₂ O ₄ -layered Double Hydroxide Z-Scheme Heteronanoshet as a Model. <i>Energy Technology</i> , 2020 , 8, 2000607	3.5	4
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	Magnetocaloric effect manipulated through interchain exchange coupling in nanochain arrays. <i>Applied Physics Letters</i> , 2020 , 117, 063902	3.4	0

145	Magnetocrystalline anisotropy imprinting of an antiferromagnet on an amorphous ferromagnet in FeRh/CoFeB heterostructures. <i>NPG Asia Materials</i> , 2020 , 12,	10.3	4
144	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
143	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
142	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 ¹⁶	3.5	16
141	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
140	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
139	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
138	Selective light absorber-assisted single nickel atom catalysts for ambient sunlight-driven CO methanation. <i>Nature Communications</i> , 2019 , 10, 2359	17.4	99
137	Cooling-field dependence of dipole-induced loop bias. <i>Nanotechnology</i> , 2019 , 30, 325701	3.4	3
136	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	7.7	51
135	Spin glass properties mapped by coercivity in ferromagnet/spin glass bilayers. <i>Nanotechnology</i> , 2019 , 30, 125702	3.4	6
134	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
133	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
132	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
131	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
130	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
129	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
128	Prediction of reentering and switching ferromagnet/antiferromagnet exchange bias by antiferromagnetic proximity effect. <i>Nanotechnology</i> , 2019 , 30, 025708	3.4	8

127	A new photocatalyst based on $\text{Co}(\text{CO}_3)_0.5(\text{OH}) \cdot 1.1\text{H}_2\text{O}/\text{Bi}_2\text{WO}_6$ nanocomposites for high-efficiency cocatalyst-free O_2 evolution. <i>Chemical Engineering Journal</i> , 2019 , 359, 924-932	14.7	37
126	Magnetocaloric effect in cubically anisotropic magnets. <i>Applied Physics Letters</i> , 2019 , 114, 023903	3.4	5
125	One-Step Solvothermal Formation of Pt Nanoparticles Decorated Pt ²⁺ -Doped $\gamma\text{-Fe}_2\text{O}_3$ Nanoplates with Enhanced Photocatalytic O_2 Evolution. <i>ACS Catalysis</i> , 2019 , 9, 1211-1219	13.1	125
124	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	178
123	Role of ferromagnetic spin structure in magnetization reversal and exchange bias phenomena. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 055001	3	8
122	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
121	Construction of hierarchical Ni ₂ P hollow nanobricks with oriented nanosheets for efficient overall water splitting. <i>Energy and Environmental Science</i> , 2018 , 11, 872-880	35.4	564
120	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
119	Self-Assembly of CoPt Magnetic Nanoparticle Arrays and its Underlying Forces. <i>Small</i> , 2018 , 14, e1801184	4	8
118	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
117	Reduced CoNi ₂ S ₄ nanosheets with enhanced conductivity for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2018 , 278, 33-41	6.7	78
116	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
115	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
114	Low-field magnetocaloric effect in single crystals controlled by magnetocrystalline anisotropy. <i>Applied Physics Letters</i> , 2018 , 113, 133902	3.4	7
113	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
112	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
111	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
110	One-Step Solvothermal Synthesis of Petalous Carbon-Coated Cu-Doped CdS Nanocomposites with Enhanced Photocatalytic Hydrogen Production. <i>Langmuir</i> , 2017 , 33, 6719-6726	4	55

109	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
108	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
107	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
106	Creation and Annihilation of Skyrmions in the Frustrated Magnets with Competing Exchange Interactions. <i>Scientific Reports</i> , 2017 , 7, 16079	4.9	15
105	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
104	Exchange bias training relaxation in spin glass/ferromagnet bilayers. <i>Applied Physics Letters</i> , 2016 , 108, 172401	3.4	16
103	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
102	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
101	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
100	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
99	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
98	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
97	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
96	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	23
95	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
94	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
93	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
92	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

91	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
90	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
89	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
88	Carbon nanocoating: an effective nanoreactor towards well-defined carbon-coated GaN hollow nanospindles. <i>Nanoscale</i> , 2014 , 6, 3051-4	7.7	9
87	Quantitatively microscopic interpretations on magnetization-plateau phenomena in stacked triangular Ising antiferromagnets. <i>Solid State Communications</i> , 2014 , 182, 5-9	1.6	2
86	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
85	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
84	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
83	Transition region-based single-object image segmentation. <i>AEU - International Journal of Electronics and Communications</i> , 2014 , 68, 1214-1223	2.8	6
82	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
81	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
80	Size-dependent exchange bias in ferromagnetic (core)/antiferromagnetic (shell) nanoparticles. <i>Physica B: Condensed Matter</i> , 2014 , 449, 214-219	2.8	7
79	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
78	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
77	Formation of mesoporous heterostructured BiVO ₄ /Bi ₂ SO ₄ hollow discoids with enhanced photoactivity. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5917-21	16.4	250
76	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
75	Exchange bias and its propagation in ferromagnetic/antiferromagnetic/ferromagnetic trilayers. <i>Journal of Applied Physics</i> , 2013 , 114, 153901	2.5	9
74	Facile Cl ⁻ mediated hydrothermal synthesis of large-scale Ag nanowires from AgCl hydrosol. <i>CrystEngComm</i> , 2013 , 15, 2598	3.3	26

73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	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
65	Carbon-coated CdS petalous nanostructures with enhanced photostability and photocatalytic activity. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5636-9	16.4	310
64	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
63	Facile synthesis of Ag ₂ WO ₄ /AgCl nanorods for excellent photocatalytic properties. <i>Materials Letters</i> , 2013 , 91, 129-132	3.3	43
62	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
61	Segmentation-Based Automatic White Balance Algorithm. <i>Applied Mechanics and Materials</i> , 2013 , 333-335, 954-957	0.3	
60	An Improved Shape Signature for Shape Representation and Image Retrieval. <i>Journal of Software</i> , 2013 , 8,	3	4
59	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
58	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	2.2	6
57	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
56	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

55	Self-assembly of TiO ₂ composite microspheres: Facile synthesis, characterization and photocatalytic activities. <i>CrystEngComm</i> , 2012 , 14, 7118	3.3	12
54	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
53	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
52	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
51	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
50	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
49	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
48	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
47	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
46	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
45	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
44	Automatic White Balance Based on Gaussian Decomposition. <i>Applied Mechanics and Materials</i> , 2012 , 263-266, 2542-2546	0.3	1
43	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
42	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
41	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
40	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
39	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
38	Magnetite (Fe ₃ O ₄) tetrakaidecahedral microcrystals: Synthesis, characterization, and micro-Raman study. <i>Materials Characterization</i> , 2011 , 62, 148-151	3.9	63

37	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
36	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
35	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
34	Silica-based complex nanorattles as multifunctional carrier for anticancer drug. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8052		40
33	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
32	Human Action Recognition Based on Key Frames. <i>Communications in Computer and Information Science</i> , 2011 , 535-542	0.3	3
31	Observation on asymmetric magnetization reversal in exchange-biased egg-shaped nanoparticles. <i>Journal of Applied Physics</i> , 2010 , 108, 033904	2.5	18
30	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
29	A Facile and Generic Strategy to Synthesize Large-Scale Carbon Nanotubes. <i>Journal of Nanomaterials</i> , 2010 , 2010, 1-5	3.2	5
28	Seed-mediated synthesis of NaY F ₄ :Y ^b , Er/NaGdF ₄ nanocrystals with improved upconversion fluorescence and MR relaxivity. <i>Nanotechnology</i> , 2010 , 21, 125602	3.4	134
27	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
26	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
25	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
24	Coating colloidal carbon spheres with CdS nanoparticles: microwave-assisted synthesis and enhanced photocatalytic activity. <i>Langmuir</i> , 2010 , 26, 18570-5	4	145
23	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
22	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
21	Robust face recognition based on illumination invariant in nonsubsampled contourlet transform domain. <i>Neurocomputing</i> , 2010 , 73, 2217-2224	5.4	30
20	Facile synthesis of magnetic metal (Mn, Co, Fe, and Ni) oxide nanosheets. <i>Materials Letters</i> , 2010 , 64, 1095-1098	3.3	12

19	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
18	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
17	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
16	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
15	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
14	Unsupervised Texture Classification by Combining Multi-Scale Features and K-Means Classifier 2009 ,		8
13	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
12	Temperature-triggered self-assembly of ZnO: from nanocrystals to nanorods to tablets. <i>Inorganic Chemistry</i> , 2007 , 46, 11031-5	5.1	24
11	Synthesis of monodispersed CdS nanoballs through irradiation route and building core-shell structure CdS@SiO ₂ . <i>Materials Research Bulletin</i> , 2007 , 42, 2211-2218	5.1	12
10	Preparation of well uniform-sized and monodisperse ZnS nanoballs by irradiation method. <i>Materials Letters</i> , 2007 , 61, 115-118	3.3	10
9	Synthesis and Characterization of Semiconductor Nanomaterials and Micromaterials via Gamma-irradiation Route. <i>Journal of Cluster Science</i> , 2007 , 18, 371-387	3	17
8	Monodisperse ZnO Nanodots: Synthesis, Characterization, and Optoelectronic Properties. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 9757-9760	3.8	27
7	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
6	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
5	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
4	Synthesis of hollow lead sulfide microspheres. <i>Materials Letters</i> , 2005 , 59, 234-237	3.3	14
3	Preparation of hollow CdSe nanospheres. <i>Materials Letters</i> , 2004 , 58, 2911-2913	3.3	22
2	Preparation of ZnS nanocrystals in network of hydrogel. <i>Materials Letters</i> , 2003 , 57, 1312-1316	3.3	15

1 A novel route to prepare CdSe hollow structures. *Materials Letters*, **2003**, 57, 3137-3139

3.3 9