Hong-Wei Gu

List of Publications by Year in Descending Order

174 papers	13,181 citations	50 h-index	113 g-index
197 ext. papers	14,324 ext. citations	7.9 avg, IF	6.42 L-index

#	Paper	IF	Citations
174	Route to the Structure-Controlled Synthesis of Fe Nanobelts and Their Oxygen Evolution Reaction Application.. *Inorganic Chemistry*, **2022**,	5.1	1
173	Engineering multiphasic MoSe2/NiSe heterostructure interfaces for superior hydrogen production electrocatalysis. *Applied Catalysis B: Environmental*, **2022**, 121434	21.8	2
172	Pseudocapacitance-boosted ultrafast and stable Na-storage in NiTe coupled with N-doped carbon nanosheets for advanced sodium-ion half/full batteries. *Dalton Transactions*, **2021**, 50, 17241-17248	4.3	1
171	Modulation of MoS interlayer dynamics by N-doped carbon intercalation for high-rate sodium-ion half/full batteries. *Nanoscale*, **2021**, 13, 18322-18331	7.7	0
170	One-pot Synthesis of Pd/Azo-polymer as an Efficient Catalyst for 4-Nitrophenol Reduction and Suzuki-Miyaura Coupling Reaction. *Chemistry - an Asian Journal*, **2021**, 16, 837-844	4.5	6
169	Synthesis of the Platinum Nanoribbons Regulated by Fluorine and Applications in Electrocatalysis. *Inorganic Chemistry*, **2021**, 60, 4366-4370	5.1	5
168	A setaria-shaped Pd/Ni-NC electrocatalyst for high efficient hydrogen evolution reaction. *Chemical Engineering Journal Advances*, **2021**, 6, 100101	3.6	4
167	Fine tuning of supported covalent organic framework with molecular active sites loaded as efficient electrocatalyst for water oxidation. *Chemical Engineering Journal*, **2021**, 415, 127850	14.7	6
166	One-dimensional nitrogen-doped carbon frameworks embedded with zinc-cobalt nanoparticles for efficient overall water splitting. *Journal of Colloid and Interface Science*, **2021**, 585, 800-807	9.3	9
165	Ultrathin amorphous iron-doped cobalt-molybdenum hydroxide nanosheets for advanced oxygen evolution reactions. *Nanoscale*, **2021**, 13, 3153-3160	7.7	10
164	Dual carbon-confined SbSe nanoparticles with pseudocapacitive properties for high-performance lithium-ion half/full batteries. *Dalton Transactions*, **2021**, 50, 6642-6649	4.3	3
163	Hyper-dendritic PdZn nanocrystals as highly stable and efficient bifunctional electrocatalysts towards oxygen reduction and ethanol oxidation. *Chemical Engineering Journal*, **2021**, 420, 130503	14.7	8
162	Sublayer Stable Fe Dopant in Porous Pd Metallene Boosts Oxygen Reduction Reaction.. *ACS Nano*, **2021**,	16.7	12
161	Ultrathin sulfate-intercalated NiFe-layered double hydroxide nanosheets for efficient electrocatalytic oxygen evolution.. *RSC Advances*, **2020**, 10, 12145-12150	3.7	9
160	A convenient detection system consisting of efficient Au@PtRu nanozymes and alcohol oxidase for highly sensitive alcohol biosensing. *Nanoscale Advances*, **2020**, 2, 1583-1589	5.1	8
159	Realizing Ultrahigh Mechanical Flexibility and >15% Efficiency of Flexible Organic Solar Cells via a "Welding" Flexible Transparent Electrode. *Advanced Materials*, **2020**, 32, e1908478	24	133
158	In situ surface-derivation of AgPdMo/MoS nanowires for synergistic hydrogen evolution catalysis in alkaline solution. *Nanoscale*, **2020**, 12, 6472-6479	7.7	6

157	Recent advances in pristine tri-metallic metal-organic frameworks toward the oxygen evolution reaction. *Nanoscale*, **2020**, 12, 4816-4825	7.7	44
156	Atom-precise incorporation of platinum into ultrafine transition metal carbides for efficient synergetic electrochemical hydrogen evolution. *Journal of Materials Chemistry A*, **2020**, 8, 4911-4919	13	8
155	Iron-doped NiCo-MOF hollow nanospheres for enhanced electrocatalytic oxygen evolution. *Nanoscale*, **2020**, 12, 14004-14010	7.7	15
154	A stable PdCu@Pd core-shell nanobranches with enhanced activity and methanol-tolerant for oxygen reduction reaction. *Electrochimica Acta*, **2020**, 354, 136680	6.7	5
153	Electronic modulation of nickel selenide by copper doping and carbon coating towards high-rate and high-energy density lithium ion half/full batteries. *Nanoscale*, **2020**, 12, 23645-23652	7.7	8
152	Synthesis of magnetite hybrid nanocomplexes to eliminate bacteria and enhance biofilm disruption. *Biomaterials Science*, **2019**, 7, 2833-2840	7.4	19
151	Synergetic Transparent Electrode Architecture for Efficient Non-Fullerene Flexible Organic Solar Cells with >12% Efficiency. *ACS Nano*, **2019**, 13, 4686-4694	16.7	63
150	Mesoporous AgPdPt Nanotubes as Electrocatalysts for the Oxygen Reduction Reaction. *ACS Applied Nano Materials*, **2019**, 2, 1876-1882	5.6	11
149	Facile Synthesis of Sea-Urchin-Like Pt and Pt/Au Nanodendrites and Their Enhanced Electrocatalytic Properties. *Inorganic Chemistry*, **2019**, 58, 5375-5379	5.1	6
148	Metal-Oleate Complex-Derived Bimetallic Oxides Nanoparticles Encapsulated in 3D Graphene Networks as Anodes for Efficient Lithium Storage with Pseudocapacitance. *Nano-Micro Letters*, **2019**, 11, 15	19.5	13
147	In Situ Generation of Bifunctional Fe-Doped MoS Nanocanopies for Efficient Electrocatalytic Water Splitting. *Inorganic Chemistry*, **2019**, 58, 11202-11209	5.1	40
146	MOF-derived uniform Ni nanoparticles encapsulated in carbon nanotubes grafted on rGO nanosheets as bifunctional materials for lithium-ion batteries and hydrogen evolution reaction. *Nanoscale*, **2019**, 11, 15112-15119	7.7	25
145	A hierarchically-assembled Fe-MoS/NiS/nickel foam electrocatalyst for efficient water splitting. *Dalton Transactions*, **2019**, 48, 12186-12192	4.3	20
144	MOF-derived cobalt-nickel phosphide nanoboxes as electrocatalysts for the hydrogen evolution reaction. *Nanoscale*, **2019**, 11, 21259-21265	7.7	48
143	Hierarchical Nanotubes Constructed by Co S /MoS Ultrathin Nanosheets Wrapped with Reduced Graphene Oxide for Advanced Lithium Storage. *Chemistry - an Asian Journal*, **2019**, 14, 170-176	4.5	2
142	A highly active worm-like PtMo nanowire for the selective synthesis of dibenzylamines.. *RSC Advances*, **2018**, 8, 8755-8760	3.7	6
141	Three-dimensional nitrogen and sulfur co-doped holey-reduced graphene oxide frameworks anchored with MoO nanodots for advanced rechargeable lithium-ion batteries. *Nanotechnology*, **2018**, 29, 295404	3.4	10
140	Trimetallic Mesoporous Nanorods as Efficient Electrocatalysts for the Oxygen Reduction Reaction. *ACS Applied Energy Materials*, **2018**, 1, 4891-4898	6.1	20

139	Controlled synthesis of hollow C@TiO@MoS hierarchical nanospheres for high-performance lithium-ion batteries. *Nanoscale*, **2018**, 10, 17327-17334	7.7	48
138	One-pot synthesis of bimetallic PdCu nanoframes as an efficient catalyst for the methanol oxidation reaction. *New Journal of Chemistry*, **2018**, 42, 798-801	3.6	16
137	Biodistribution and Acute Toxicity of Intravenous Multifunctional 125I-Radiolabeled Fe3O4-Ag Heterodimer Nanoparticles in Mice. *Journal of Nanomaterials*, **2018**, 2018, 1-6	3.2	2
136	Fabrication of Multifoliate PtRu Bimetallic Nanocomplexes for Computed Tomography Imaging and Enhanced Synergistic Thermoradiotherapy. *ACS Applied Materials & Interfaces*, **2018**, 10, 31106-31113	8.5	26
135	Fabrication of PEGylated Fe@BiS nanocomposites for dual-mode imaging and synergistic thermoradiotherapy. *Biomaterials Science*, **2018**, 6, 1892-1898	7.4	25
134	Co S /MoS Yolk-Shell Spheres for Advanced Li/Na Storage. *Small*, **2017**, 13, 1603490	11	127
133	One-pot synthesis of PtIr tripods with a dendritic surface as an efficient catalyst for the oxygen reduction reaction. *Journal of Materials Chemistry A*, **2017**, 5, 9107-9112	13	49
132	Synthesis of porous Mn2O3 embedded in reduced graphene oxide as advanced anode materials for lithium storage. *New Journal of Chemistry*, **2017**, 41, 7102-7107	3.6	7
131	Formation of porous nitrogen-doped carbon-coating MnO nanospheres for advanced reversible lithium storage. *Nanoscale*, **2017**, 9, 5451-5457	7.7	56
130	One-pot synthesis of PtRu nanodendrites as efficient catalysts for methanol oxidation reaction. *Nanoscale*, **2017**, 9, 1033-1039	7.7	133
129	Synthesis of Ultrafine and Highly Dispersed Metal Nanoparticles Confined in a Thioether-Containing Covalent Organic Framework and Their Catalytic Applications. *Journal of the American Chemical Society*, **2017**, 139, 17082-17088	16.4	358
128	Recent development of efficient electrocatalysts derived from porous organic polymers for oxygen reduction reaction. *Science China Chemistry*, **2017**, 60, 999-1006	7.9	27
127	Passive and Space-Discriminative Ionic Sensors Based on Durable Nanocomposite Electrodes toward Sign Language Recognition. *ACS Nano*, **2017**, 11, 8590-8599	16.7	47
126	Synthesis of graphene wrapped porous CoMoO4 nanospheres as high-performance anodes for rechargeable lithium-ion batteries. *RSC Advances*, **2017**, 7, 51506-51511	3.7	17
125	Graphene-coated mesoporous Co3O4 fibers as an efficient anode material for Li-ion batteries. *RSC Advances*, **2016**, 6, 71006-71011	3.7	17
124	Rapid and large-scale synthesis of bare Co3O4 porous nanostructures from an oleate precursor as superior Li-ion anodes with long-cycle lives. *Dalton Transactions*, **2016**, 45, 13509-13	4.3	21
123	Gaseous NH3 Confers Porous Pt Nanodendrites Assisted by Halides. *Scientific Reports*, **2016**, 6, 26196	4.9	7
122	Porous carbon-wrapped mesoporous Co9S8 fibers as stable anode for Li-Ion Batteries. *Electrochimica Acta*, **2016**, 211, 305-312	6.7	39

121	Structural Dependence of Platinum Nanostructures on Catalytic Performance in Aromatic Azo Compound Reaction Investigated by X-ray Absorption Fine Structure Spectroscopy. *Journal of Physical Chemistry C*, **2016**, 120, 14712-14718	3.8	1
120	Facile preparation of hybrid core-shell nanorods for photothermal and radiation combined therapy. *Nanoscale*, **2016**, 8, 3895-9	7.7	58
119	Porous cubes constructed by cobalt oxide nanocrystals with graphene sheet coatings for enhanced lithium storage properties. *Nanoscale*, **2016**, 8, 7688-94	7.7	46
118	Metal coordination polymer derived mesoporous Co3O4 nanorods with uniform TiO2 coating as advanced anodes for lithium ion batteries. *Nanoscale*, **2016**, 8, 2967-73	7.7	62
117	Novel synthesis of N-alkyl amines from tandem coupling of either methylamine or nitroalkane with aldehyde. *Chemical Communications*, **2016**, 52, 760-3	5.8	6
116	Photocatalytic properties of Pd/TiO2 nanosheets for hydrogen evolution from water splitting. *RSC Advances*, **2016**, 6, 67502-67508	3.7	39
115	Hydrogen gas-assisted synthesis of worm-like PtMo wavy nanowires as efficient catalysts for the methanol oxidation reaction. *Journal of Materials Chemistry A*, **2016**, 4, 10508-10513	13	50
114	Platinum nanowires catalyzed direct amidation with aldehydes and amines. *Science China Chemistry*, **2016**, 59, 478-481	7.9	5
113	Novel transition bimetal□rganic frameworks: recyclable catalyst for the oxidative coupling of primary amines to imines at mild conditions. *New Journal of Chemistry*, **2016**, 40, 5531-5536	3.6	16
112	Nanostructured Co(II)-based MOFs as promising anodes for advanced lithium storage. *New Journal of Chemistry*, **2016**, 40, 9238-9244	3.6	43
111	Hollow nanospheres composed of titanium dioxide nanocrystals modified with carbon and gold for high performance lithium ion batteries. *Journal of Power Sources*, **2015**, 294, 465-472	8.9	24
110	Facile synthesis of magnetic core-shell nanocomposites for MRI and CT bimodal imaging. *Journal of Materials Chemistry B*, **2015**, 3, 6905-6910	7.3	29
109	Facile synthesis of Ag nanowires/mesoporous TiO2 core□shell nanocables with improved properties for lithium storage. *New Journal of Chemistry*, **2015**, 39, 7889-7894	3.6	4
108	Porous Fe3O4 hollow spheres with chlorine-doped-carbon coating as superior anode materials for lithium ion batteries. *RSC Advances*, **2015**, 5, 52993-52997	3.7	14
107	Synthesis of Pt nanocatalysts for selective hydrogenation of ortho-halogenated nitrobenzene. *Science China Chemistry*, **2015**, 58, 1051-1055	7.9	9
106	Synthesis of Pt dendritic nanocubes with enhanced catalytic properties. *RSC Advances*, **2015**, 5, 16497-16500	3.7	8
105	A facile synthesis of Pt@Ir zigzag bimetallic nanocomplexes for hydrogenation reactions. *Chemical Communications*, **2015**, 51, 9216-9	5.8	13
104	Highly efficient and eco-friendly synthesis of tertiary amines by reductive alkylation of aldehydes with secondary amines over a Pt nanowires catalyst. *RSC Advances*, **2015**, 5, 81395-81398	3.7	2

103	Preparation of a Fe2 O3 /Ag nanowire coaxial nanocable for high-performance lithium-ion batteries. *Chemistry - A European Journal*, **2015**, 21, 11129-33	4.8	23
102	Citrate/F assisted phase control synthesis of TiO2 nanostructures and their photocatalytic properties. *RSC Advances*, **2015**, 5, 74230-74237	3.7	4
101	Facile synthesis of Au Pt bimetallic nanocomplexes for direct oxidation of methanol and formic acid. *RSC Advances*, **2015**, 5, 650-653	3.7	10
100	Novel Metal Nanomaterials and Their Catalytic Applications. *Molecules*, **2015**, 20, 17070-92	4.8	75
99	Synthesis of heterodimer radionuclide nanoparticles for magnetic resonance and single-photon emission computed tomography dual-modality imaging. *Nanoscale*, **2015**, 7, 3392-5	7.7	51
98	Facile Synthesis of Copper-Based Metal Oxide Nanoparticles with Exceptional Catalytic Activity for the Selective Oxidation of Styrenes into Benzaldehydes. *ChemPlusChem*, **2015**, 80, 511-515	2.8	8
97	Designed fabrication of fluorine-doped carbon coated mesoporous TiO2 hollow spheres for improved lithium storage. *Electrochimica Acta*, **2015**, 157, 1-7	6.7	43
96	Novel Ultra-thin Platinum Nanowires and Their Catalytic Applications. *Current Organic Chemistry*, **2015**, 19, 2142-2155	1.7	2
95	Preparation of fluorine-doped, carbon-encapsulated hollow Fe3O4 spheres as an efficient anode material for Li-ion batteries. *Nanoscale*, **2014**, 6, 3889-94	7.7	76
94	Folic acid modified superparamagnetic iron oxide nanocomposites for targeted hepatic carcinoma MR imaging. *RSC Advances*, **2014**, 4, 7483	3.7	11
93	Synthesis of Au-Fe3O4 heterostructured nanoparticles for in vivo computed tomography and magnetic resonance dual model imaging. *Nanoscale*, **2014**, 6, 199-202	7.7	115
92	Light emission in water-containing cocrystals: the influence of water molecules on the fluorescence properties of a Schiff-base molecule. *Chemistry - an Asian Journal*, **2014**, 9, 223-8	4.5	2
91	Facile synthesis of Pt/Pd nanodendrites for the direct oxidation of methanol. *Nanotechnology*, **2014** , 25, 195702	3.4	26
90	Preparation of porous and hollow Fe3O4@C spheres as an efficient anode material for a high-performance Li-ion battery. *RSC Advances*, **2014**, 4, 6430	3.7	43
89	Selective synthesis of secondary amines from nitriles using Pt nanowires as a catalyst. *Chemical Communications*, **2014**, 50, 3512-5	5.8	37
88	Common metal of copper(0) as an efficient catalyst for preparation of nitriles and imines by controlling additives. *Chemical Communications*, **2014**, 50, 5637-40	5.8	51
87	Efficient and ligand free palladium catalyst for Suzuki and Heck cross-coupling reactions. *Science China Chemistry*, **2014**, 57, 1310-1314	7.9	7
86	Interfacial hydrogenation and deamination of nitriles to selectively synthesize tertiary amines. *Chemical Communications*, **2014**, 50, 11110-3	5.8	9

85	Highly efficient synthesis of azos catalyzed by the common metal copper (0) through oxidative coupling reactions. *RSC Advances*, **2014**, 4, 16607	3.7	28
84	Colloidal synthesis of ultrathin Fe2O3 nanoplates. *RSC Advances*, **2014**, 4, 9314	3.7	12
83	Porous nano-structured Co3O4 anode materials generated from coordination-driven self-assembled aggregates for advanced lithium ion batteries. *Nanoscale*, **2014**, 6, 9689-94	7.7	76
82	The synthesis of cyclohexenone using L-proline immobilized on a silica gel catalyst by a continuous-flow approach. *RSC Advances*, **2014**, 4, 15036	3.7	13
81	Amphiphilic oligomer-based micelles as cisplatin nanocarriers for cancer therapy. *Nanoscale*, **2013**, 5, 8925-9	7.7	9
80	An Improved Method for the Complete Hydrogenation of Aromatic Compounds under 1 Bar H2 with Platinum Nanowires. *ChemCatChem*, **2013**, 5, 2852-2855	5.2	10
79	Synthesis of in-situ surfactant-free Pd nanoparticle catalysts for the synthesis of aromatic azo compounds and for unsaturated bond hydrogenation by hydrogen transfer. *Chinese Journal of Catalysis*, **2013**, 34, 2084-2088	11.3	5
78	Selective synthesis of ternary copper-antimony sulfide nanocrystals. *Inorganic Chemistry*, **2013**, 52, 12958-62	5.1	53
77	Preparation and self-assembly of a dual-functional copolymer for cancer therapy. *Reactive and Functional Polymers*, **2013**, 73, 89-96	4.6	4
76	Reversible Hydrogenation–Oxidative Dehydrogenation of Quinolines over a Highly Active Pt Nanowire Catalyst under Mild Conditions. *ChemCatChem*, **2013**, 5, 2183-2186	5.2	61
75	Catalysis by Pd nanoclusters generated in situ of high-efficiency synthesis of aromatic azo compounds from nitroaromatics under H2 atmosphere. *RSC Advances*, **2013**, 3, 4899	3.7	23
74	PEGylated FePt@Fe2O3 core-shell magnetic nanoparticles: potential theranostic applications and in vivo toxicity studies. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2013**, 9, 1077-88	6	62
73	Understanding the Atomic-scale Process of Catalytic Assembly of Si Nanowires through Al Injection. *ChemCatChem*, **2013**, 5, 2802-2804	5.2	
72	Cuo@Ag as a highly active catalyst for the selective oxidation of trans-stilbene and alcohols. *Catalysis Science and Technology*, **2012**, 2, 1146	5.5	31
71	Highly efficient synthesis of aromatic azos catalyzed by unsupported ultra-thin Pt nanowires. *Chemical Communications*, **2012**, 48, 3445-7	5.8	81
70	Controlled hydrogenation of aromatic compounds by platinum nanowire catalysts. *RSC Advances*, **2012**, 2, 3477	3.7	23
69	Selective synthesis of secondary amines by Pt nanowire catalyzed reductive amination of aldehydes and ketones with ammonia. *Chemical Communications*, **2012**, 48, 9631-3	5.8	33
68	Effects of bone marrow mesenchymal stem cells on cell proliferation and growth factor expression of limbal epithelial cells in vitro. *Ophthalmic Research*, **2012**, 48, 82-88	2.9	19

67	Highly efficient synthesis of N-substituted isoindolinones and phthalazinones using Pt nanowires as catalysts. *Organic Letters*, **2012**, 14, 1876-9	6.2	62
66	Highly-dispersed ultrafine Pt nanoparticles on graphene as effective hydrogenation catalysts. *RSC Advances*, **2012**, 2, 5520	3.7	35
65	A highly active nano-palladium catalyst for the preparation of aromatic azos under mild conditions. *Organic Letters*, **2011**, 13, 5640-3	6.2	70
64	pH-responsive polymeric carrier encapsulated magnetic nanoparticles for cancer targeted imaging and delivery. *Journal of Materials Chemistry*, **2011**, 21, 12682		40
63	pH-responsive polymeric-cargo encapsulated magnetic nanoparticles for selective release and imaging. *Journal of Controlled Release*, **2011**, 152 Suppl 1, e67-8	11.7	3
62	Silver nanowires: from scalable synthesis to recyclable foldable electronics. *Advanced Materials*, **2011**, 23, 3052-6	24	255
61	Direct hydrogenation of nitroaromatics and one-pot amidation with carboxylic acids over platinum nanowires. *Chemistry - A European Journal*, **2011**, 17, 2763-8	4.8	57
60	Preparation of Pt@Fe2O3 nanowires and their catalysis of selective oxidation of olefins and alcohols. *Chemistry - A European Journal*, **2011**, 17, 8726-30	4.8	55
59	Ultrathin platinum nanowire catalysts for direct C-N coupling of carbonyls with aromatic nitro compounds under 1 bar of hydrogen. *Chemistry - A European Journal*, **2011**, 17, 14283-7	4.8	63
58	Facile synthesis of hybrid nanostructures from nanoparticles, nanorods and nanowires. *Journal of Materials Chemistry*, **2011**, 21, 11478		30
57	Facile synthesis of polymer/Au heteronanoparticles. *Chemical Communications*, **2011**, 47, 4228-30	5.8	14
56	Enantioselective hydrogenation of □-ketoesters over alkaloid-modified platinum nanowires. *Green Chemistry*, **2011**, 13, 3070	10	20
55	Synthesis of Pt@Fe2O3 nanorods as MRI probes for in vivo application. *Chemical Communications*, **2011**, 47, 6320-2	5.8	21
54	A small-molecule-based device for data storage and electro-optical switch applications. *Journal of Materials Chemistry*, **2011**, 21, 5860		30
53	Dynamic Random Access Memory Devices Based on Functionalized Copolymers with Pendant Hydrazine Naphthalimide Group. *Journal of Physical Chemistry C*, **2011**, 115, 8288-8294	3.8	32
52	Oxidation of benzylic compounds by gold nanowires at 1 atm O2. *Chemical Communications*, **2011**, 47, 1303-5	5.8	37
51	Seed-mediated synthesis, properties and application of □Fe2O3□CdSe magnetic quantum dots. *Journal of Solid State Chemistry*, **2011**, 184, 2150-2158	3.3	11
50	Selective ratiometric detection of Hg2+ in pure water using a phenoxazinium-based probe. *Tetrahedron Letters*, **2011**, 52, 2492-2495	2	16

49	Two Different Memory Characteristics Controlled by the Film Thickness of Polymethacrylate Containing Pendant Azobenzothiazole. *Journal of Physical Chemistry C*, **2010**, 114, 6117-6122	3.8	39
48	A small-molecule-based ternary data-storage device. *Journal of the American Chemical Society*, **2010**, 132, 5542-3	16.4	158
47	Modification of magnetic silica/iron oxide nanocomposites with fluorescent polymethacrylic acid for cancer targeting and drug delivery. *Journal of Materials Chemistry*, **2010**, 20, 6422		80
46	A novel degradable polymeric carrier for selective release and imaging of magnetic nanoparticles. *Chemical Communications*, **2010**, 46, 6708-10	5.8	29
45	Catalytic epoxidation of stilbene with FePt@Cu nanowires and molecular oxygen. *Chemical Communications*, **2010**, 46, 8591-3	5.8	24
44	Facile Synthesis of Fe2O3 Nanocrystals without Fe(CO)5 Precursor and One-Pot Synthesis of Highly Fluorescent Fe2O3□CdSe Nanocomposites. *Advanced Materials*, **2009**, 21, 869-873	24	53
43	Extracting anisotropy energy barrier distributions of nanomagnetic systems from magnetization/susceptibility measurements. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, L21-L27	2.8	7
42	Multifunctional magnetic nanoparticles: design, synthesis, and biomedical applications. *Accounts of Chemical Research*, **2009**, 42, 1097-107	24.3	1505
41	Carbon nanotube/polythiophene chemiresistive sensors for chemical warfare agents. *Journal of the American Chemical Society*, **2008**, 130, 5392-3	16.4	318
40	Facet-Selective 2D Self-Assembly of TiO2 Nanoleaves via Supramolecular Interactions. *Chemistry of Materials*, **2008**, 20, 7514-7520	9.6	34
39	Bifunctional Fe3O4□Ag Heterodimer Nanoparticles for Two-Photon Fluorescence Imaging and Magnetic Manipulation. *Advanced Materials*, **2008**, 20, 4403-4407	24	243
38	Fabrication of Free-standing, Conductive, and Transparent Carbon Nanotube Films. *Advanced Materials*, **2008**, 20, 4433-4437	24	102
37	Self-assembled hybrid nanofibers confer a magnetorheological supramolecular hydrogel. *Tetrahedron*, **2007**, 63, 7349-7357	2.4	38
36	Self-Assembly and Self-Orientation of Truncated Octahedral Magnetite Nanocrystals. *Advanced Materials*, **2006**, 18, 2418-2421	24	70
35	Combining Fluorescent Probes and Biofunctional Magnetic Nanoparticles for Rapid Detection of Bacteria in Human Blood. *Advanced Materials*, **2006**, 18, 3145-3148	24	150
34	The origin of the non-monotonic field dependence of the blocking temperature in magnetic nanoparticles. *Journal of Physics Condensed Matter*, **2006**, 18, 5905-10	1.8	38
33	A New Approach in Measuring Cu□EMC Adhesion Strength by AFM. *IEEE Transactions on Components and Packaging Technologies*, **2006**, 29, 543-550		14
32	A biocompatible method of decorporation: bisphosphonate-modified magnetite nanoparticles to remove uranyl ions from blood. *Journal of the American Chemical Society*, **2006**, 128, 13358-9	16.4	205

31	Synthesis, characterization and luminescence study of dialkyl[1-arylmethyleneimino-2-naphthonato]gallium complexes: Crystal structure of dimethyl[1-(2-pridyl) methyleneimino-2-naphthonato]gallium. *Journal of Organometallic Chemistry*, **2006**, 691, 1817-1824	2.3	17
30	Biofunctional magnetic nanoparticles for protein separation and pathogen detection. *Chemical Communications*, **2006**, 941-9	5.8	584
29	Heterodimers of nanoparticles: formation at a liquid-liquid interface and particle-specific surface modification by functional molecules. *Journal of the American Chemical Society*, **2005**, 127, 34-5	16.4	509
28	Synthesis and cellular uptake of porphyrin decorated iron oxide nanoparticles-a potential candidate for bimodal anticancer therapy. *Chemical Communications*, **2005**, 4270-2	5.8	154
27	Self-assembly of small molecules affords multifunctional supramolecular hydrogels for topically treating simulated uranium wounds. *Chemical Communications*, **2005**, 4414-6	5.8	144
26	Memory effects in a nanoparticle system: Low-field magnetization and ac susceptibility measurements. *Physical Review B*, **2005**, 72,	3.3	36
25	Direct synthesis of a bimodal nanosponge based on FePt and ZnS. *Small*, **2005**, 1, 402-6	11	30
24	Comment on "memory effects in an interacting magnetic nanoparticle system". *Physical Review Letters*, **2004**, 93, 139702; author reply 139703	7.4	31
23	Dopamine as a robust anchor to immobilize functional molecules on the iron oxide shell of magnetic nanoparticles. *Journal of the American Chemical Society*, **2004**, 126, 9938-9	16.4	793
22	Nitrilotriacetic acid-modified magnetic nanoparticles as a general agent to bind histidine-tagged proteins. *Journal of the American Chemical Society*, **2004**, 126, 3392-3	16.4	409
21	Solventless Polymerization to Grow Thin Films on Solid Substrates. *Advanced Functional Materials*, **2004**, 14, 492-500	15.6	5
20	Enzymatic Formation of Supramolecular Hydrogels. *Advanced Materials*, **2004**, 16, 1440-1444	24	497
19	Using Soft Lithography to Pattern Highly Oriented Polyacetylene (HOPA) Films via Solventless Polymerization. *Advanced Materials*, **2004**, 16, 1356-1359	24	53
18	Synthesis, characterization and luminescence study of dimethyl(β-ketoiminato)gallium (-indium) complexes: crystal structure of dimethyl[1-phenyl-3-N-(4-methoxyphenylimino)-1-butanonato]gallium. *Journal of Organometallic Chemistry*, **2004**, 689, 3461-3467	2.3	18
17	Small molecule hydrogels based on a class of antiinflammatory agents. *Chemical Communications*, **2004**, 208-9	5.8	189
16	Molecular recognition remolds the self-assembly of hydrogelators and increases the elasticity of the hydrogel by 10(6)-fold. *Journal of the American Chemical Society*, **2004**, 126, 15028-9	16.4	151
15	Facile one-pot synthesis of bifunctional heterodimers of nanoparticles: a conjugate of quantum dot and magnetic nanoparticles. *Journal of the American Chemical Society*, **2004**, 126, 5664-5	16.4	669
14	Presenting Vancomycin on Nanoparticles to Enhance Antimicrobial Activities. *Nano Letters*, **2003**, 3, 1261-1263	11.3	536

13	Supramolecular hydrogels respond to ligand-receptor interaction. *Journal of the American Chemical Society*, **2003**, 125, 13680-1	16.4	392
12	Synthesis, structural characterization and electroluminescence study of alkylgallium derivatives of thiobenzhydrazones. *Journal of Organometallic Chemistry*, **2003**, 681, 51-58	2.3	11
11	Chemical synthesis of narrowly dispersed SmCo5 nanoparticles. *Journal of Applied Physics*, **2003**, 93, 7589-7591	2.5	163
10	Using biofunctional magnetic nanoparticles to capture gram-negative bacteria at an ultra-low concentration. *Chemical Communications*, **2003**, 1966-7	5.8	98
9	Using biofunctional magnetic nanoparticles to capture vancomycin-resistant enterococci and other gram-positive bacteria at ultralow concentration. *Journal of the American Chemical Society*, **2003**, 125, 15702-3	16.4	481
8	Multivalent antibiotics via metal complexes: potent divalent vancomycins against vancomycin-resistant enterococci. *Journal of Medicinal Chemistry*, **2003**, 46, 4904-9	8.3	44
7	Self-assembled multivalent vancomycin on cell surfaces against vancomycin-resistant enterococci (VRE). *Chemical Communications*, **2003**, 2224-5	5.8	37
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1	A new approach in measuring Cu-EMC adhesion strength by AFM [electronics packaging applications]		1