

Hong-Wei Gu

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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	Multifunctional magnetic nanoparticles: design, synthesis, and biomedical applications. <i>Accounts of Chemical Research</i> , 2009 , 42, 1097-107	24.3	1505
173	Dopamine as a robust anchor to immobilize functional molecules on the iron oxide shell of magnetic nanoparticles. <i>Journal of the American Chemical Society</i> , 2004 , 126, 9938-9	16.4	793
172	Facile one-pot synthesis of bifunctional heterodimers of nanoparticles: a conjugate of quantum dot and magnetic nanoparticles. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5664-5	16.4	669
171	Biofunctional magnetic nanoparticles for protein separation and pathogen detection. <i>Chemical Communications</i> , 2006 , 941-9	5.8	584
170	Presenting Vancomycin on Nanoparticles to Enhance Antimicrobial Activities. <i>Nano Letters</i> , 2003 , 3, 1261-1263	13.63	536
169	Heterodimers of nanoparticles: formation at a liquid-liquid interface and particle-specific surface modification by functional molecules. <i>Journal of the American Chemical Society</i> , 2005 , 127, 34-5	16.4	509
168	Enzymatic Formation of Supramolecular Hydrogels. <i>Advanced Materials</i> , 2004 , 16, 1440-1444	24	497
167	Using biofunctional magnetic nanoparticles to capture vancomycin-resistant enterococci and other gram-positive bacteria at ultralow concentration. <i>Journal of the American Chemical Society</i> , 2003 , 125, 15702-3	16.4	481
166	Nitrilotriacetic acid-modified magnetic nanoparticles as a general agent to bind histidine-tagged proteins. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3392-3	16.4	409
165	Supramolecular hydrogels respond to ligand-receptor interaction. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13680-1	16.4	392
164	Synthesis of Ultrafine and Highly Dispersed Metal Nanoparticles Confined in a Thioether-Containing Covalent Organic Framework and Their Catalytic Applications. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17082-17088	16.4	358
163	Carbon nanotube/polythiophene chemiresistive sensors for chemical warfare agents. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5392-3	16.4	318
162	Silver nanowires: from scalable synthesis to recyclable foldable electronics. <i>Advanced Materials</i> , 2011 , 23, 3052-6	24	255
161	Bifunctional Fe ₃ O ₄ /Ag Heterodimer Nanoparticles for Two-Photon Fluorescence Imaging and Magnetic Manipulation. <i>Advanced Materials</i> , 2008 , 20, 4403-4407	24	243
160	A biocompatible method of decorporation: bisphosphonate-modified magnetite nanoparticles to remove uranyl ions from blood. <i>Journal of the American Chemical Society</i> , 2006 , 128, 13358-9	16.4	205
159	Small molecule hydrogels based on a class of antiinflammatory agents. <i>Chemical Communications</i> , 2004 , 208-9	5.8	189
158	A small-molecule-based ternary data-storage device. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5542-3	16.4	158

157	Synthesis and cellular uptake of porphyrin decorated iron oxide nanoparticles-a potential candidate for bimodal anticancer therapy. <i>Chemical Communications</i> , 2005 , 4270-2	5.8	154
156	Molecular recognition remodels the self-assembly of hydrogelators and increases the elasticity of the hydrogel by 10(6)-fold. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15028-9	16.4	151
155	Combining Fluorescent Probes and Biofunctional Magnetic Nanoparticles for Rapid Detection of Bacteria in Human Blood. <i>Advanced Materials</i> , 2006 , 18, 3145-3148	24	150
154	Self-assembly of small molecules affords multifunctional supramolecular hydrogels for topically treating simulated uranium wounds. <i>Chemical Communications</i> , 2005 , 4414-6	5.8	144
153	One-pot synthesis of PtRu nanodendrites as efficient catalysts for methanol oxidation reaction. <i>Nanoscale</i> , 2017 , 9, 1033-1039	7.7	133
152	Realizing Ultrahigh Mechanical Flexibility and >15% Efficiency of Flexible Organic Solar Cells via a "Welding" Flexible Transparent Electrode. <i>Advanced Materials</i> , 2020 , 32, e1908478	24	133
151	Co S /MoS Yolk-Shell Spheres for Advanced Li/Na Storage. <i>Small</i> , 2017 , 13, 1603490	11	127
150	Synthesis of Au-Fe ₃ O ₄ heterostructured nanoparticles for in vivo computed tomography and magnetic resonance dual model imaging. <i>Nanoscale</i> , 2014 , 6, 199-202	7.7	115
149	Fabrication of Free-standing, Conductive, and Transparent Carbon Nanotube Films. <i>Advanced Materials</i> , 2008 , 20, 4433-4437	24	102
148	Using biofunctional magnetic nanoparticles to capture gram-negative bacteria at an ultra-low concentration. <i>Chemical Communications</i> , 2003 , 1966-7	5.8	98
147	Highly efficient synthesis of aromatic azos catalyzed by unsupported ultra-thin Pt nanowires. <i>Chemical Communications</i> , 2012 , 48, 3445-7	5.8	81
146	Modification of magnetic silica/iron oxide nanocomposites with fluorescent polymethacrylic acid for cancer targeting and drug delivery. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6422		80
145	Preparation of fluorine-doped, carbon-encapsulated hollow Fe ₃ O ₄ spheres as an efficient anode material for Li-ion batteries. <i>Nanoscale</i> , 2014 , 6, 3889-94	7.7	76
144	Porous nano-structured Co ₃ O ₄ anode materials generated from coordination-driven self-assembled aggregates for advanced lithium ion batteries. <i>Nanoscale</i> , 2014 , 6, 9689-94	7.7	76
143	Novel Metal Nanomaterials and Their Catalytic Applications. <i>Molecules</i> , 2015 , 20, 17070-92	4.8	75
142	A highly active nano-palladium catalyst for the preparation of aromatic azos under mild conditions. <i>Organic Letters</i> , 2011 , 13, 5640-3	6.2	70
141	Self-Assembly and Self-Orientation of Truncated Octahedral Magnetite Nanocrystals. <i>Advanced Materials</i> , 2006 , 18, 2418-2421	24	70
140	Synergetic Transparent Electrode Architecture for Efficient Non-Fullerene Flexible Organic Solar Cells with >12% Efficiency. <i>ACS Nano</i> , 2019 , 13, 4686-4694	16.7	63

139	Ultrathin platinum nanowire catalysts for direct C-N coupling of carbonyls with aromatic nitro compounds under 1 bar of hydrogen. <i>Chemistry - A European Journal</i> , 2011 , 17, 14283-7	4.8	63
138	Chemical synthesis of narrowly dispersed SmCo ₅ nanoparticles. <i>Journal of Applied Physics</i> , 2003 , 93, 7589-7591	6.3	63
137	Metal coordination polymer derived mesoporous Co ₃ O ₄ nanorods with uniform TiO ₂ coating as advanced anodes for lithium ion batteries. <i>Nanoscale</i> , 2016 , 8, 2967-73	7.7	62
136	Highly efficient synthesis of N-substituted isoindolinones and phthalazinones using Pt nanowires as catalysts. <i>Organic Letters</i> , 2012 , 14, 1876-9	6.2	62
135	PEGylated FePt@Fe ₂ O ₃ core-shell magnetic nanoparticles: potential theranostic applications and in vivo toxicity studies. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013 , 9, 1077-88	6	62
134	Reversible Hydrogenation/Oxidative Dehydrogenation of Quinolines over a Highly Active Pt Nanowire Catalyst under Mild Conditions. <i>ChemCatChem</i> , 2013 , 5, 2183-2186	5.2	61
133	Facile preparation of hybrid core-shell nanorods for photothermal and radiation combined therapy. <i>Nanoscale</i> , 2016 , 8, 3895-9	7.7	58
132	Direct hydrogenation of nitroaromatics and one-pot amidation with carboxylic acids over platinum nanowires. <i>Chemistry - A European Journal</i> , 2011 , 17, 2763-8	4.8	57
131	Formation of porous nitrogen-doped carbon-coating MnO nanospheres for advanced reversible lithium storage. <i>Nanoscale</i> , 2017 , 9, 5451-5457	7.7	56
130	Preparation of Pt@Fe ₂ O ₃ nanowires and their catalysis of selective oxidation of olefins and alcohols. <i>Chemistry - A European Journal</i> , 2011 , 17, 8726-30	4.8	55
129	Selective synthesis of ternary copper-antimony sulfide nanocrystals. <i>Inorganic Chemistry</i> , 2013 , 52, 12958-62	5.6	53
128	Facile Synthesis of Fe ₂ O ₃ Nanocrystals without Fe(CO) ₅ Precursor and One-Pot Synthesis of Highly Fluorescent Fe ₂ O ₃ /CdSe Nanocomposites. <i>Advanced Materials</i> , 2009 , 21, 869-873	24	53
127	Using Soft Lithography to Pattern Highly Oriented Polyacetylene (HOPA) Films via Solventless Polymerization. <i>Advanced Materials</i> , 2004 , 16, 1356-1359	24	53
126	Common metal of copper(0) as an efficient catalyst for preparation of nitriles and imines by controlling additives. <i>Chemical Communications</i> , 2014 , 50, 5637-40	5.8	51
125	Synthesis of heterodimer radionuclide nanoparticles for magnetic resonance and single-photon emission computed tomography dual-modality imaging. <i>Nanoscale</i> , 2015 , 7, 3392-5	7.7	51
124	Hydrogen gas-assisted synthesis of worm-like PtMo wavy nanowires as efficient catalysts for the methanol oxidation reaction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10508-10513	13	50
123	One-pot synthesis of PtIr tripods with a dendritic surface as an efficient catalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9107-9112	13	49
122	Controlled synthesis of hollow C@TiO@MoS hierarchical nanospheres for high-performance lithium-ion batteries. <i>Nanoscale</i> , 2018 , 10, 17327-17334	7.7	48

121	MOF-derived cobalt-nickel phosphide nanoboxes as electrocatalysts for the hydrogen evolution reaction. <i>Nanoscale</i> , 2019 , 11, 21259-21265	7.7	48
120	Passive and Space-Discriminative Ionic Sensors Based on Durable Nanocomposite Electrodes toward Sign Language Recognition. <i>ACS Nano</i> , 2017 , 11, 8590-8599	16.7	47
119	Porous cubes constructed by cobalt oxide nanocrystals with graphene sheet coatings for enhanced lithium storage properties. <i>Nanoscale</i> , 2016 , 8, 7688-94	7.7	46
118	Recent advances in pristine tri-metallic metal-organic frameworks toward the oxygen evolution reaction. <i>Nanoscale</i> , 2020 , 12, 4816-4825	7.7	44
117	Multivalent antibiotics via metal complexes: potent divalent vancomycins against vancomycin-resistant enterococci. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 4904-9	8.3	44
116	Preparation of porous and hollow Fe ₃ O ₄ @C spheres as an efficient anode material for a high-performance Li-ion battery. <i>RSC Advances</i> , 2014 , 4, 6430	3.7	43
115	Designed fabrication of fluorine-doped carbon coated mesoporous TiO ₂ hollow spheres for improved lithium storage. <i>Electrochimica Acta</i> , 2015 , 157, 1-7	6.7	43
114	Synthesis and characterization of dialkylgallium (dialkylindium) complexes of N-salicylidene 2-aminopyridine and N-salicylidene 2-methoxyaniline: crystal structure of dimethyl[N-salicylidene 2-aminopyridine]gallium. <i>Journal of Organometallic Chemistry</i> , 2000 , 605, 234-238	2.3	43
113	Nanostructured Co(II)-based MOFs as promising anodes for advanced lithium storage. <i>New Journal of Chemistry</i> , 2016 , 40, 9238-9244	3.6	43
112	In Situ Generation of Bifunctional Fe-Doped MoS Nanocanopies for Efficient Electrocatalytic Water Splitting. <i>Inorganic Chemistry</i> , 2019 , 58, 11202-11209	5.1	40
111	pH-responsive polymeric carrier encapsulated magnetic nanoparticles for cancer targeted imaging and delivery. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12682		40
110	Porous carbon-wrapped mesoporous Co ₉ S ₈ fibers as stable anode for Li-Ion Batteries. <i>Electrochimica Acta</i> , 2016 , 211, 305-312	6.7	39
109	Two Different Memory Characteristics Controlled by the Film Thickness of Polymethacrylate Containing Pendant Azobenzothiazole. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 6117-6122	3.8	39
108	Photocatalytic properties of Pd/TiO ₂ nanosheets for hydrogen evolution from water splitting. <i>RSC Advances</i> , 2016 , 6, 67502-67508	3.7	39
107	Self-assembled hybrid nanofibers confer a magnetorheological supramolecular hydrogel. <i>Tetrahedron</i> , 2007 , 63, 7349-7357	2.4	38
106	The origin of the non-monotonic field dependence of the blocking temperature in magnetic nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 5905-10	1.8	38
105	Selective synthesis of secondary amines from nitriles using Pt nanowires as a catalyst. <i>Chemical Communications</i> , 2014 , 50, 3512-5	5.8	37
104	Oxidation of benzylic compounds by gold nanowires at 1 atm O ₂ . <i>Chemical Communications</i> , 2011 , 47, 1303-5	5.8	37

103	Self-assembled multivalent vancomycin on cell surfaces against vancomycin-resistant enterococci (VRE). <i>Chemical Communications</i> , 2003 , 2224-5	5.8	37
102	Memory effects in a nanoparticle system: Low-field magnetization and ac susceptibility measurements. <i>Physical Review B</i> , 2005 , 72,	3.3	36
101	Highly-dispersed ultrafine Pt nanoparticles on graphene as effective hydrogenation catalysts. <i>RSC Advances</i> , 2012 , 2, 5520	3.7	35
100	Facet-Selective 2D Self-Assembly of TiO ₂ Nanoleaves via Supramolecular Interactions. <i>Chemistry of Materials</i> , 2008 , 20, 7514-7520	9.6	34
99	Selective synthesis of secondary amines by Pt nanowire catalyzed reductive amination of aldehydes and ketones with ammonia. <i>Chemical Communications</i> , 2012 , 48, 9631-3	5.8	33
98	Dynamic Random Access Memory Devices Based on Functionalized Copolymers with Pendant Hydrazine Naphthalimide Group. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 8288-8294	3.8	32
97	Cu@Ag as a highly active catalyst for the selective oxidation of trans-stilbene and alcohols. <i>Catalysis Science and Technology</i> , 2012 , 2, 1146	5.5	31
96	Comment on "memory effects in an interacting magnetic nanoparticle system". <i>Physical Review Letters</i> , 2004 , 93, 139702; author reply 139703	7.4	31
95	Facile synthesis of hybrid nanostructures from nanoparticles, nanorods and nanowires. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11478		30
94	A small-molecule-based device for data storage and electro-optical switch applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5860		30
93	Direct synthesis of a bimodal nanosponge based on FePt and ZnS. <i>Small</i> , 2005 , 1, 402-6	11	30
92	Facile synthesis of magnetic core-shell nanocomposites for MRI and CT bimodal imaging. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6905-6910	7.3	29
91	A novel degradable polymeric carrier for selective release and imaging of magnetic nanoparticles. <i>Chemical Communications</i> , 2010 , 46, 6708-10	5.8	29
90	Highly efficient synthesis of azos catalyzed by the common metal copper (0) through oxidative coupling reactions. <i>RSC Advances</i> , 2014 , 4, 16607	3.7	28
89	Recent development of efficient electrocatalysts derived from porous organic polymers for oxygen reduction reaction. <i>Science China Chemistry</i> , 2017 , 60, 999-1006	7.9	27
88	Facile synthesis of Pt/Pd nanodendrites for the direct oxidation of methanol. <i>Nanotechnology</i> , 2014 , 25, 195702	3.4	26
87	Fabrication of Multifoliate PtRu Bimetallic Nanocomplexes for Computed Tomography Imaging and Enhanced Synergistic Thermoradiotherapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31106-31113	9.5	26
86	MOF-derived uniform Ni nanoparticles encapsulated in carbon nanotubes grafted on rGO nanosheets as bifunctional materials for lithium-ion batteries and hydrogen evolution reaction. <i>Nanoscale</i> , 2019 , 11, 15112-15119	7.7	25

85	Fabrication of PEGylated Fe@BiS nanocomposites for dual-mode imaging and synergistic thermoradiotherapy. <i>Biomaterials Science</i> , 2018 , 6, 1892-1898	7.4	25
84	Hollow nanospheres composed of titanium dioxide nanocrystals modified with carbon and gold for high performance lithium ion batteries. <i>Journal of Power Sources</i> , 2015 , 294, 465-472	8.9	24
83	Catalytic epoxidation of stilbene with FePt@Cu nanowires and molecular oxygen. <i>Chemical Communications</i> , 2010 , 46, 8591-3	5.8	24
82	Preparation of a Fe ₂ O ₃ /Ag nanowire coaxial nanocable for high-performance lithium-ion batteries. <i>Chemistry - A European Journal</i> , 2015 , 21, 11129-33	4.8	23
81	Controlled hydrogenation of aromatic compounds by platinum nanowire catalysts. <i>RSC Advances</i> , 2012 , 2, 3477	3.7	23
80	Catalysis by Pd nanoclusters generated in situ of high-efficiency synthesis of aromatic azo compounds from nitroaromatics under H ₂ atmosphere. <i>RSC Advances</i> , 2013 , 3, 4899	3.7	23
79	Rapid and large-scale synthesis of bare Co ₃ O ₄ porous nanostructures from an oleate precursor as superior Li-ion anodes with long-cycle lives. <i>Dalton Transactions</i> , 2016 , 45, 13509-13	4.3	21
78	Synthesis of Pt@Fe ₂ O ₃ nanorods as MRI probes for in vivo application. <i>Chemical Communications</i> , 2011 , 47, 6320-2	5.8	21
77	Solventless polymerization: spatial migration of a catalyst to form polymeric thin films in microchannels. <i>Journal of the American Chemical Society</i> , 2003 , 125, 9256-7	16.4	21
76	Trimetallic Mesoporous Nanorods as Efficient Electrocatalysts for the Oxygen Reduction Reaction. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4891-4898	6.1	20
75	A hierarchically-assembled Fe-MoS/NiS/nickel foam electrocatalyst for efficient water splitting. <i>Dalton Transactions</i> , 2019 , 48, 12186-12192	4.3	20
74	Enantioselective hydrogenation of β -ketoesters over alkaloid-modified platinum nanowires. <i>Green Chemistry</i> , 2011 , 13, 3070	10	20
73	Synthesis of magnetite hybrid nanocomplexes to eliminate bacteria and enhance biofilm disruption. <i>Biomaterials Science</i> , 2019 , 7, 2833-2840	7.4	19
72	Effects of bone marrow mesenchymal stem cells on cell proliferation and growth factor expression of limbal epithelial cells in vitro. <i>Ophthalmic Research</i> , 2012 , 48, 82-88	2.9	19
71	Blue-green variable light-emitting diode based on organic molecule-doped polymer. <i>Applied Physics Letters</i> , 1999 , 75, 1827-1829	3.4	19
70	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. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 3461-3467	2.3	18
69	Graphene-coated mesoporous Co ₃ O ₄ fibers as an efficient anode material for Li-ion batteries. <i>RSC Advances</i> , 2016 , 6, 71006-71011	3.7	17
68	Synthesis of graphene wrapped porous CoMoO ₄ nanospheres as high-performance anodes for rechargeable lithium-ion batteries. <i>RSC Advances</i> , 2017 , 7, 51506-51511	3.7	17

67	Synthesis, characterization and luminescence study of dialkyl[1-arylmethyleneimino-2-naphthonato]gallium complexes: Crystal structure of dimethyl[1-(2-pyridyl) methyleneimino-2-naphthonato]gallium. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 1817-1824	2.3	17
66	Selective ratiometric detection of Hg ²⁺ in pure water using a phenoxazinium-based probe. <i>Tetrahedron Letters</i> , 2011 , 52, 2492-2495	2	16
65	Novel transition bimetallic organic frameworks: recyclable catalyst for the oxidative coupling of primary amines to imines at mild conditions. <i>New Journal of Chemistry</i> , 2016 , 40, 5531-5536	3.6	16
64	One-pot synthesis of bimetallic PdCu nanoframes as an efficient catalyst for the methanol oxidation reaction. <i>New Journal of Chemistry</i> , 2018 , 42, 798-801	3.6	16
63	Iron-doped NiCo-MOF hollow nanospheres for enhanced electrocatalytic oxygen evolution. <i>Nanoscale</i> , 2020 , 12, 14004-14010	7.7	15
62	Porous Fe ₃ O ₄ hollow spheres with chlorine-doped-carbon coating as superior anode materials for lithium ion batteries. <i>RSC Advances</i> , 2015 , 5, 52993-52997	3.7	14
61	Facile synthesis of polymer/Au heteronanoparticles. <i>Chemical Communications</i> , 2011 , 47, 4228-30	5.8	14
60	A New Approach in Measuring Cu-MC Adhesion Strength by AFM. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2006 , 29, 543-550		14
59	Metal-Oleate Complex-Derived Bimetallic Oxides Nanoparticles Encapsulated in 3D Graphene Networks as Anodes for Efficient Lithium Storage with Pseudocapacitance. <i>Nano-Micro Letters</i> , 2019 , 11, 15	19.5	13
58	A facile synthesis of Pt@Ir zigzag bimetallic nanocomplexes for hydrogenation reactions. <i>Chemical Communications</i> , 2015 , 51, 9216-9	5.8	13
57	The synthesis of cyclohexenone using L-proline immobilized on a silica gel catalyst by a continuous-flow approach. <i>RSC Advances</i> , 2014 , 4, 15036	3.7	13
56	Colloidal synthesis of ultrathin Fe ₂ O ₃ nanoplates. <i>RSC Advances</i> , 2014 , 4, 9314	3.7	12
55	Sublayer Stable Fe Dopant in Porous Pd Metallene Boosts Oxygen Reduction Reaction.. <i>ACS Nano</i> , 2021 ,	16.7	12
54	Mesoporous AgPdPt Nanotubes as Electrocatalysts for the Oxygen Reduction Reaction. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1876-1882	5.6	11
53	Folic acid modified superparamagnetic iron oxide nanocomposites for targeted hepatic carcinoma MR imaging. <i>RSC Advances</i> , 2014 , 4, 7483	3.7	11
52	Seed-mediated synthesis, properties and application of Fe ₂ O ₃ @CdSe magnetic quantum dots. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 2150-2158	3.3	11
51	Synthesis, structural characterization and electroluminescence study of alkylgallium derivatives of thiobenzhydrazones. <i>Journal of Organometallic Chemistry</i> , 2003 , 681, 51-58	2.3	11
50	Facile synthesis of AuPt bimetallic nanocomplexes for direct oxidation of methanol and formic acid. <i>RSC Advances</i> , 2015 , 5, 650-653	3.7	10

49	Three-dimensional nitrogen and sulfur co-doped holey-reduced graphene oxide frameworks anchored with MoO nanodots for advanced rechargeable lithium-ion batteries. <i>Nanotechnology</i> , 2018 , 29, 295404	3.4	10
48	An Improved Method for the Complete Hydrogenation of Aromatic Compounds under 1 Bar H ₂ with Platinum Nanowires. <i>ChemCatChem</i> , 2013 , 5, 2852-2855	5.2	10
47	Ultrathin amorphous iron-doped cobalt-molybdenum hydroxide nanosheets for advanced oxygen evolution reactions. <i>Nanoscale</i> , 2021 , 13, 3153-3160	7.7	10
46	Synthesis of Pt nanocatalysts for selective hydrogenation of ortho-halogenated nitrobenzene. <i>Science China Chemistry</i> , 2015 , 58, 1051-1055	7.9	9
45	Ultrathin sulfate-intercalated NiFe-layered double hydroxide nanosheets for efficient electrocatalytic oxygen evolution.. <i>RSC Advances</i> , 2020 , 10, 12145-12150	3.7	9
44	Interfacial hydrogenation and deamination of nitriles to selectively synthesize tertiary amines. <i>Chemical Communications</i> , 2014 , 50, 11110-3	5.8	9
43	Amphiphilic oligomer-based micelles as cisplatin nanocarriers for cancer therapy. <i>Nanoscale</i> , 2013 , 5, 8925-9	7.7	9
42	One-dimensional nitrogen-doped carbon frameworks embedded with zinc-cobalt nanoparticles for efficient overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2021 , 585, 800-807	9.3	9
41	Synthesis of Pt dendritic nanocubes with enhanced catalytic properties. <i>RSC Advances</i> , 2015 , 5, 16497-16500	5.7	8
40	A convenient detection system consisting of efficient Au@PtRu nanozymes and alcohol oxidase for highly sensitive alcohol biosensing. <i>Nanoscale Advances</i> , 2020 , 2, 1583-1589	5.1	8
39	Facile Synthesis of Copper-Based Metal Oxide Nanoparticles with Exceptional Catalytic Activity for the Selective Oxidation of Styrenes into Benzaldehydes. <i>ChemPlusChem</i> , 2015 , 80, 511-515	2.8	8
38	Atom-precise incorporation of platinum into ultrafine transition metal carbides for efficient synergetic electrochemical hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 4911-4919	13	8
37	Electronic modulation of nickel selenide by copper doping and carbon coating towards high-rate and high-energy density lithium ion half/full batteries. <i>Nanoscale</i> , 2020 , 12, 23645-23652	7.7	8
36	Hyper-dendritic PdZn nanocrystals as highly stable and efficient bifunctional electrocatalysts towards oxygen reduction and ethanol oxidation. <i>Chemical Engineering Journal</i> , 2021 , 420, 130503	14.7	8
35	Synthesis of porous Mn ₂ O ₃ embedded in reduced graphene oxide as advanced anode materials for lithium storage. <i>New Journal of Chemistry</i> , 2017 , 41, 7102-7107	3.6	7
34	Gaseous NH ₃ Confers Porous Pt Nanodendrites Assisted by Halides. <i>Scientific Reports</i> , 2016 , 6, 26196	4.9	7
33	Efficient and ligand free palladium catalyst for Suzuki and Heck cross-coupling reactions. <i>Science China Chemistry</i> , 2014 , 57, 1310-1314	7.9	7
32	Extracting anisotropy energy barrier distributions of nanomagnetic systems from magnetization/susceptibility measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, L21-L27	2.8	7

31	Study on Thermal Interface Material with Carbon Nanotubes and Carbon Black in High-Brightness LED Packaging with Flip-Chip		7
30	Facile Synthesis of Sea-Urchin-Like Pt and Pt/Au Nanodendrites and Their Enhanced Electrocatalytic Properties. <i>Inorganic Chemistry</i> , 2019 , 58, 5375-5379	5.1	6
29	In situ surface-derivation of AgPdMo/MoS nanowires for synergistic hydrogen evolution catalysis in alkaline solution. <i>Nanoscale</i> , 2020 , 12, 6472-6479	7.7	6
28	A highly active worm-like PtMo nanowire for the selective synthesis of dibenzylamines.. <i>RSC Advances</i> , 2018 , 8, 8755-8760	3.7	6
27	Novel synthesis of N-alkyl amines from tandem coupling of either methylamine or nitroalkane with aldehyde. <i>Chemical Communications</i> , 2016 , 52, 760-3	5.8	6
26	One-pot Synthesis of Pd/Azo-polymer as an Efficient Catalyst for 4-Nitrophenol Reduction and Suzuki-Miyaura Coupling Reaction. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 837-844	4.5	6
25	Fine tuning of supported covalent organic framework with molecular active sites loaded as efficient electrocatalyst for water oxidation. <i>Chemical Engineering Journal</i> , 2021 , 415, 127850	14.7	6
24	Synthesis of in-situ surfactant-free Pd nanoparticle catalysts for the synthesis of aromatic azo compounds and for unsaturated bond hydrogenation by hydrogen transfer. <i>Chinese Journal of Catalysis</i> , 2013 , 34, 2084-2088	11.3	5
23	Solventless Polymerization to Grow Thin Films on Solid Substrates. <i>Advanced Functional Materials</i> , 2004 , 14, 492-500	15.6	5
22	SYNTHESIS AND CHARACTERIZATION OF DIALKYLALUMINUM, GALLIUM AND INDIUM [2-(N,N-DIMETHYLAMINO)YL]-4-METHYL]PHENOXIDES. CRYSTAL STRUCTURE OF DIMETHYLGALLIUM [2-(N, N-DIMETHYLAMINOM)YL]-4-METHYL]PHENOXIDE. <i>Main Group Metal Chemistry</i> , 2000 , 23,	1.6	5
21	A stable PdCu@Pd core-shell nanobranches with enhanced activity and methanol-tolerant for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2020 , 354, 136680	6.7	5
20	Synthesis of the Platinum Nanoribbons Regulated by Fluorine and Applications in Electrocatalysis. <i>Inorganic Chemistry</i> , 2021 , 60, 4366-4370	5.1	5
19	Platinum nanowires catalyzed direct amidation with aldehydes and amines. <i>Science China Chemistry</i> , 2016 , 59, 478-481	7.9	5
18	Facile synthesis of Ag nanowires/mesoporous TiO ₂ core-shell nanocables with improved properties for lithium storage. <i>New Journal of Chemistry</i> , 2015 , 39, 7889-7894	3.6	4
17	Citrate/F ₁₂₇ assisted phase control synthesis of TiO ₂ nanostructures and their photocatalytic properties. <i>RSC Advances</i> , 2015 , 5, 74230-74237	3.7	4
16	Preparation and self-assembly of a dual-functional copolymer for cancer therapy. <i>Reactive and Functional Polymers</i> , 2013 , 73, 89-96	4.6	4
15	A setaria-shaped Pd/Ni-NC electrocatalyst for high efficient hydrogen evolution reaction. <i>Chemical Engineering Journal Advances</i> , 2021 , 6, 100101	3.6	4
14	pH-responsive polymeric-cargo encapsulated magnetic nanoparticles for selective release and imaging. <i>Journal of Controlled Release</i> , 2011 , 152 Suppl 1, e67-8	11.7	3

13	Dual carbon-confined SbSe nanoparticles with pseudocapacitive properties for high-performance lithium-ion half/full batteries. <i>Dalton Transactions</i> , 2021 , 50, 6642-6649	4.3	3
12	Highly efficient and eco-friendly synthesis of tertiary amines by reductive alkylation of aldehydes with secondary amines over a Pt nanowires catalyst. <i>RSC Advances</i> , 2015 , 5, 81395-81398	3.7	2
11	Light emission in water-containing cocrystals: the influence of water molecules on the fluorescence properties of a Schiff-base molecule. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 223-8	4.5	2
10	Novel Ultra-thin Platinum Nanowires and Their Catalytic Applications. <i>Current Organic Chemistry</i> , 2015 , 19, 2142-2155	1.7	2
9	Biodistribution and Acute Toxicity of Intravenous Multifunctional ¹²⁵ I-Radiolabeled Fe ₃ O ₄ -Ag Heterodimer Nanoparticles in Mice. <i>Journal of Nanomaterials</i> , 2018 , 2018, 1-6	3.2	2
8	Hierarchical Nanotubes Constructed by Co S /MoS Ultrathin Nanosheets Wrapped with Reduced Graphene Oxide for Advanced Lithium Storage. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 170-176	4.5	2
7	Engineering multiphasic MoSe ₂ /NiSe heterostructure interfaces for superior hydrogen production electrocatalysis. <i>Applied Catalysis B: Environmental</i> , 2022 , 121434	21.8	2
6	Structural Dependence of Platinum Nanostructures on Catalytic Performance in Aromatic Azo Compound Reaction Investigated by X-ray Absorption Fine Structure Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 14712-14718	3.8	1
5	Route to the Structure-Controlled Synthesis of Fe Nanobelts and Their Oxygen Evolution Reaction Application.. <i>Inorganic Chemistry</i> , 2022 ,	5.1	1
4	Pseudocapacitance-boosted ultrafast and stable Na-storage in NiTe coupled with N-doped carbon nanosheets for advanced sodium-ion half/full batteries. <i>Dalton Transactions</i> , 2021 , 50, 17241-17248	4.3	1
3	A new approach in measuring Cu-EMC adhesion strength by AFM [electronics packaging applications]		1
2	Modulation of MoS interlayer dynamics by N-doped carbon intercalation for high-rate sodium-ion half/full batteries. <i>Nanoscale</i> , 2021 , 13, 18322-18331	7.7	0
1	Understanding the Atomic-scale Process of Catalytic Assembly of Si Nanowires through Al Injection. <i>ChemCatChem</i> , 2013 , 5, 2802-2804	5.2	