

Hong-Wei Gu

List of Publications by Year in descending order

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177
papers

15,410
citations

26567

56
h-index

17546

121
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197
all docs

197
docs citations

197
times ranked

20484
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional Magnetic Nanoparticles: Design, Synthesis, and Biomedical Applications. <i>Accounts of Chemical Research</i> , 2009, 42, 1097-1107.	7.6	1,638
2	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, 9938-9939.	6.6	836
3	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, 5664-5665.	6.6	709
4	Biofunctional magnetic nanoparticles for protein separation and pathogen detection. <i>Chemical Communications</i> , 2006, , 941.	2.2	637
5	Presenting Vancomycin on Nanoparticles to Enhance Antimicrobial Activities. <i>Nano Letters</i> , 2003, 3, 1261-1263.	4.5	620
6	Enzymatic Formation of Supramolecular Hydrogels. <i>Advanced Materials</i> , 2004, 16, 1440-1444.	11.1	554
7	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, 34-35.	6.6	532
8	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, 15702-15703.	6.6	531
9	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.	6.6	506
10	Nitrilotriacetic Acid-Modified Magnetic Nanoparticles as a General Agent to Bind Histidine-Tagged Proteins. <i>Journal of the American Chemical Society</i> , 2004, 126, 3392-3393.	6.6	442
11	Supramolecular Hydrogels Respond to Ligand-Receptor Interaction. <i>Journal of the American Chemical Society</i> , 2003, 125, 13680-13681.	6.6	434
12	Carbon Nanotube/Polythiophene Chemiresistive Sensors for Chemical Warfare Agents. <i>Journal of the American Chemical Society</i> , 2008, 130, 5392-5393.	6.6	361
13	Silver Nanowires: From Scalable Synthesis to Recyclable Foldable Electronics. <i>Advanced Materials</i> , 2011, 23, 3052-3056.	11.1	297
14	Bifunctional Fe ₃ O ₄ -Ag Heterodimer Nanoparticles for Two-Photon Fluorescence Imaging and Magnetic Manipulation. <i>Advanced Materials</i> , 2008, 20, 4403-4407.	11.1	258
15	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, 13358-13359.	6.6	224
16	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.	11.1	216
17	Small molecule hydrogels based on a class of antiinflammatory agents. <i>Chemical Communications</i> , 2004, , 208.	2.2	211
18	A Small-Molecule-Based Ternary Data-Storage Device. <i>Journal of the American Chemical Society</i> , 2010, 132, 5542-5543.	6.6	183

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19	Synthesis and cellular uptake of porphyrin decorated iron oxide nanoparticles—a potential candidate for bimodal anticancer therapy. <i>Chemical Communications</i> , 2005, , 4270.	2.2	172
20	Combining Fluorescent Probes and Biofunctional Magnetic Nanoparticles for Rapid Detection of Bacteria in Human Blood. <i>Advanced Materials</i> , 2006, 18, 3145-3148.	11.1	165
21	One-pot synthesis of PtRu nanodendrites as efficient catalysts for methanol oxidation reaction. <i>Nanoscale</i> , 2017, 9, 1033-1039.	2.8	163
22	Molecular Recognition Remolds the Self-Assembly of Hydrogelators and Increases the Elasticity of the Hydrogel by 106-Fold. <i>Journal of the American Chemical Society</i> , 2004, 126, 15028-15029.	6.6	162
23	Co ₉ S ₈ /MoS ₂ Yolk-Shell Spheres for Advanced Li/Na Storage. <i>Small</i> , 2017, 13, 1603490.	5.2	162
24	Self-assembly of small molecules affords multifunctional supramolecular hydrogels for topically treating simulated uranium wounds. <i>Chemical Communications</i> , 2005, , 4414.	2.2	154
25	Synthesis of Au-Fe ₃ O ₄ heterostructured nanoparticles for in vivo computed tomography and magnetic resonance dual modal imaging. <i>Nanoscale</i> , 2014, 6, 199-202.	2.8	129
26	Using biofunctional magnetic nanoparticles to capture Gram-negative bacteria at an ultra-low concentration. Electronic supplementary information (ESI) available: experimental details. See http://www.rsc.org/suppdata/cc/b3/b305421g/ . <i>Chemical Communications</i> , 2003, , 1966.	2.2	111
27	Fabrication of Free-standing, Conductive, and Transparent Carbon Nanotube Films. <i>Advanced Materials</i> , 2008, 20, 4433-4437.	11.1	105
28	Novel Metal Nanomaterials and Their Catalytic Applications. <i>Molecules</i> , 2015, 20, 17070-17092.	1.7	90
29	Highly efficient synthesis of aromatic azos catalyzed by unsupported ultra-thin Pt nanowires. <i>Chemical Communications</i> , 2012, 48, 3445.	2.2	89
30	A Highly Active Nano-Palladium Catalyst for the Preparation of Aromatic Azos under Mild Conditions. <i>Organic Letters</i> , 2011, 13, 5640-5643.	2.4	86
31	Synergetic Transparent Electrode Architecture for Efficient Non-Fullerene Flexible Organic Solar Cells with >12% Efficiency. <i>ACS Nano</i> , 2019, 13, 4686-4694.	7.3	86
32	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.	6.7	85
33	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.	2.8	84
34	In Situ Generation of Bifunctional Fe-Doped MoS ₂ Nanocanopies for Efficient Electrocatalytic Water Splitting. <i>Inorganic Chemistry</i> , 2019, 58, 11202-11209.	1.9	84
35	Recent advances in pristine tri-metallic metal-organic frameworks toward the oxygen evolution reaction. <i>Nanoscale</i> , 2020, 12, 4816-4825.	2.8	83
36	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.	2.8	81

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37	MOF-derived cobalt-nickel phosphide nanoboxes as electrocatalysts for the hydrogen evolution reaction. <i>Nanoscale</i> , 2019, 11, 21259-21265.	2.8	81
38	Self-Assembly and Self-Orientation of Truncated Octahedral Magnetite Nanocrystals. <i>Advanced Materials</i> , 2006, 18, 2418-2421.	11.1	76
39	Reversible Hydrogenation-Oxidative Dehydrogenation of Quinolines over a Highly Active Pt Nanowire Catalyst under Mild Conditions. <i>ChemCatChem</i> , 2013, 5, 2183-2186.	1.8	75
40	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, 2967-2973.	2.8	74
41	Passive and Space-Discriminative Ionic Sensors Based on Durable Nanocomposite Electrodes toward Sign Language Recognition. <i>ACS Nano</i> , 2017, 11, 8590-8599.	7.3	73
42	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, 1077-1088.	1.7	72
43	Highly Efficient Synthesis of <i>N</i> -Substituted Isoindolinones and Phthalazinones Using Pt Nanowires as Catalysts. <i>Organic Letters</i> , 2012, 14, 1876-1879.	2.4	71
44	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, 14283-14287.	1.7	70
45	Facile preparation of hybrid core-shell nanorods for photothermal and radiation combined therapy. <i>Nanoscale</i> , 2016, 8, 3895-3899.	2.8	70
46	Direct Hydrogenation of Nitroaromatics and One-Pot Amidation with Carboxylic Acids over Platinum Nanowires. <i>Chemistry - A European Journal</i> , 2011, 17, 2763-2768.	1.7	67
47	Nanostructured Co-based MOFs as promising anodes for advanced lithium storage. <i>New Journal of Chemistry</i> , 2016, 40, 9238-9244.	1.4	65
48	Formation of porous nitrogen-doped carbon-coating MnO nanospheres for advanced reversible lithium storage. <i>Nanoscale</i> , 2017, 9, 5451-5457.	2.8	65
49	Controlled synthesis of hollow C@TiO ₂ @MoS ₂ hierarchical nanospheres for high-performance lithium-ion batteries. <i>Nanoscale</i> , 2018, 10, 17327-17334.	2.8	65
50	Chemical synthesis of narrowly dispersed SmCo ₅ nanoparticles. <i>Journal of Applied Physics</i> , 2003, 93, 7589-7591.	1.1	64
51	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.	2.2	62
52	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.	5.2	61
53	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, 8726-8730.	1.7	58
54	Selective Synthesis of Ternary Copper-Antimony Sulfide Nanocrystals. <i>Inorganic Chemistry</i> , 2013, 52, 12958-12962.	1.9	58

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55	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.	5.2	58
56	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.	11.1	57
57	Using Soft Lithography to Pattern Highly Oriented Polyacetylene (HOPA) Films via Solventless Polymerization. <i>Advanced Materials</i> , 2004, 16, 1356-1359.	11.1	55
58	Synthesis of heterodimer radionuclide nanoparticles for magnetic resonance and single-photon emission computed tomography dual-modality imaging. <i>Nanoscale</i> , 2015, 7, 3392-3395.	2.8	55
59	Porous carbon-wrapped mesoporous Co ₉ S ₈ fibers as stable anode for Li-Ion Batteries. <i>Electrochimica Acta</i> , 2016, 211, 305-312.	2.6	53
60	Sublayer Stable Fe Dopant in Porous Pd Metallene Boosts Oxygen Reduction Reaction. <i>ACS Nano</i> , 2022, 16, 522-532.	7.3	52
61	Selective synthesis of secondary amines by Pt nanowire catalyzed reductive amination of aldehydes and ketones with ammonia. <i>Chemical Communications</i> , 2012, 48, 9631.	2.2	51
62	Selective synthesis of secondary amines from nitriles using Pt nanowires as a catalyst. <i>Chemical Communications</i> , 2014, 50, 3512-3515.	2.2	50
63	Photocatalytic properties of Pd/TiO ₂ nanosheets for hydrogen evolution from water splitting. <i>RSC Advances</i> , 2016, 6, 67502-67508.	1.7	50
64	Engineering multiphase MoSe ₂ /NiSe heterostructure interfaces for superior hydrogen production electrocatalysis. <i>Applied Catalysis B: Environmental</i> , 2022, 312, 121434.	10.8	50
65	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.	0.8	49
66	Porous cubes constructed by cobalt oxide nanocrystals with graphene sheet coatings for enhanced lithium storage properties. <i>Nanoscale</i> , 2016, 8, 7688-7694.	2.8	48
67	Multivalent Antibiotics via Metal Complexes: A Potent Divalent Vancomycins against Vancomycin-Resistant Enterococci. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 4904-4909.	2.9	47
68	Self-assembled hybrid nanofibers confer a magnetorheological supramolecular hydrogel. <i>Tetrahedron</i> , 2007, 63, 7349-7357.	1.0	46
69	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.	1.7	46
70	Designed fabrication of fluorine-doped carbon coated mesoporous TiO ₂ hollow spheres for improved lithium storage. <i>Electrochimica Acta</i> , 2015, 157, 1-7.	2.6	46
71	The origin of the non-monotonic field dependence of the blocking temperature in magnetic nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 5905-5910.	0.7	44
72	pH-responsive polymeric carrier encapsulated magnetic nanoparticles for cancer targeted imaging and delivery. <i>Journal of Materials Chemistry</i> , 2011, 21, 12682.	6.7	43

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73	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.	2.8	42
74	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.	1.5	41
75	A hierarchically-assembled Fe ²⁺ /MoS ₂ /Ni ₃ S ₂ /nickel foam electrocatalyst for efficient water splitting. <i>Dalton Transactions</i> , 2019, 48, 12186-12192.	1.6	40
76	Self-assembled multivalent vancomycin on cell surfaces against vancomycin-resistant enterococci (VRE) Electronic Supplementary Information (ESI) available: details of the in vitro experiments and fluorescent spectroscopic study (6 pages). See http://www.rsc.org/suppdata/cc/b3/b305886g/ . <i>Chemical Communications</i> , 2003, , 2224.	2.2	39
77	Memory effects in a nanoparticle system: Low-field magnetization and ac susceptibility measurements. <i>Physical Review B</i> , 2005, 72, .	1.1	39
78	Oxidation of benzylic compounds by gold nanowires at 1 atm O ₂ . <i>Chemical Communications</i> , 2011, 47, 1303-1305.	2.2	39
79	Highly-dispersed ultrafine Pt nanoparticles on graphene as effective hydrogenation catalysts. <i>RSC Advances</i> , 2012, 2, 5520.	1.7	39
80	Highly efficient synthesis of azos catalyzed by the common metal copper (0) through oxidative coupling reactions. <i>RSC Advances</i> , 2014, 4, 16607.	1.7	39
81	A small-molecule-based device for data storage and electro-optical switch applications. <i>Journal of Materials Chemistry</i> , 2011, 21, 5860.	6.7	37
82	Recent development of efficient electrocatalysts derived from porous organic polymers for oxygen reduction reaction. <i>Science China Chemistry</i> , 2017, 60, 999-1006.	4.2	37
83	Facet-Selective 2D Self-Assembly of TiO ₂ Nanoleaves via Supramolecular Interactions. <i>Chemistry of Materials</i> , 2008, 20, 7514-7520.	3.2	36
84	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.	1.5	36
85	Iron-doped NiCo-MOF hollow nanospheres for enhanced electrocatalytic oxygen evolution. <i>Nanoscale</i> , 2020, 12, 14004-14010.	2.8	36
86	Comment on "Memory Effects in an Interacting Magnetic Nanoparticle System": <i>Physical Review Letters</i> , 2004, 93, 139702; author reply 139703.	2.9	35
87	Direct Synthesis of a Bimodal Nanosponge Based on FePt and ZnS. <i>Small</i> , 2005, 1, 402-406.	5.2	35
88	Facile synthesis of magnetic core-shell nanocomposites for MRI and CT bimodal imaging. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6905-6910.	2.9	35
89	Fabrication of Multifoliate PtRu Bimetallic Nanocomplexes for Computed Tomography Imaging and Enhanced Synergistic Thermoradiotherapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31106-31113.	4.0	35
90	Fabrication of PEGylated Fe@Bi ₂ S ₃ nanocomposites for dual-mode imaging and synergistic thermoradiotherapy. <i>Biomaterials Science</i> , 2018, 6, 1892-1898.	2.6	34

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91	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.	2.1	32
92	Catalytic epoxidation of stilbene with FePt@Cu nanowires and molecular oxygen. <i>Chemical Communications</i> , 2010, 46, 8591.	2.2	31
93	A novel degradable polymeric carrier for selective release and imaging of magnetic nanoparticles. <i>Chemical Communications</i> , 2010, 46, 6708.	2.2	30
94	Facile synthesis of hybrid nanostructures from nanoparticles, nanorods and nanowires. <i>Journal of Materials Chemistry</i> , 2011, 21, 11478.	6.7	30
95	Synthesis of magnetite hybrid nanocomplexes to eliminate bacteria and enhance biofilm disruption. <i>Biomaterials Science</i> , 2019, 7, 2833-2840.	2.6	30
96	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.	1.7	29
97	Controlled hydrogenation of aromatic compounds by platinum nanowire catalysts. <i>RSC Advances</i> , 2012, 2, 3477.	1.7	28
98	Facile synthesis of Pt/Pd nanodendrites for the direct oxidation of methanol. <i>Nanotechnology</i> , 2014, 25, 195702.	1.3	28
99	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.	4.0	27
100	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.	6.6	27
101	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.	1.7	26
102	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.	1.4	26
103	Facile synthesis of the encapsulation of Co-based multimetallic alloys/oxide nanoparticles nitrogen-doped carbon nanotubes as electrocatalysts for the HER/OER. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 27775-27786.	3.8	26
104	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.	1.0	25
105	Solventless Polymerization: Spatial Migration of a Catalyst To Form Polymeric Thin Films in Microchannels. <i>Journal of the American Chemical Society</i> , 2003, 125, 9256-9257.	6.6	24
106	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, 11129-11133.	1.7	24
107	Trimetallic Au@PtPd Mesoporous Nanorods as Efficient Electrocatalysts for the Oxygen Reduction Reaction. <i>ACS Applied Energy Materials</i> , 2018, 1, 4891-4898.	2.5	24
108	Ultrathin amorphous iron-doped cobalt-molybdenum hydroxide nanosheets for advanced oxygen evolution reactions. <i>Nanoscale</i> , 2021, 13, 3153-3160.	2.8	24

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109	Enantioselective hydrogenation of $\hat{\pm}$ -ketoesters over alkaloid-modified platinum nanowires. <i>Green Chemistry</i> , 2011, 13, 3070.	4.6	23
110	Porous Fe_3O_4 hollow spheres with chlorine-doped-carbon coating as superior anode materials for lithium ion batteries. <i>RSC Advances</i> , 2015, 5, 52993-52997.	1.7	23
111	Novel transition bimetal-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.	1.4	23
112	Rapid and large-scale synthesis of bare Co_3O_4 porous nanostructures from an oleate precursor as superior Li-ion anodes with long-cycle lives. <i>Dalton Transactions</i> , 2016, 45, 13509-13513.	1.6	23
113	Ultrathin sulfate-intercalated NiFe-layered double hydroxide nanosheets for efficient electrocatalytic oxygen evolution. <i>RSC Advances</i> , 2020, 10, 12145-12150.	1.7	23
114	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.	5.0	23
115	Engineering the Electronic Structures of Metal-Organic Framework Nanosheets via Synergistic Doping of Metal Ions and Counteranions for Efficient Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 15133-15140.	4.0	23
116	Synthesis of Pt@Fe ₂ O ₃ nanorods as MRI probes for in vivo application. <i>Chemical Communications</i> , 2011, 47, 6320.	2.2	21
117	Electronic modulation of nickel selenide by copper doping and <i>in situ</i> carbon coating towards high-rate and high-energy density lithium ion half/full batteries. <i>Nanoscale</i> , 2020, 12, 23645-23652.	2.8	21
118	Blue-green variable light-emitting diode based on organic molecule-doped polymer. <i>Applied Physics Letters</i> , 1999, 75, 1827-1829.	1.5	20
119	A New Approach in Measuring Cu-EMC Adhesion Strength by AFM. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2006, 29, 543-550.	1.4	20
120	Graphene-coated mesoporous Co_3O_4 fibers as an efficient anode material for Li-ion batteries. <i>RSC Advances</i> , 2016, 6, 71006-71011.	1.7	20
121	Hierarchical Nanotubes Constructed by $\text{Co}_9\text{S}_8/\text{MoS}_2$ Ultrathin Nanosheets Wrapped with Reduced Graphene Oxide for Advanced Lithium Storage. <i>Chemistry - an Asian Journal</i> , 2019, 14, 170-176.	1.7	20
122	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.	2.2	20
123	Synthesis, characterization and luminescence study of dimethyl($\hat{\pm}$ -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.	0.8	19
124	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.	14.4	18
125	Synthesis, characterization and luminescence study of dialkyl[1-arylmethyleneimino-2-naphthonato]gallium complexes: Crystal structure of dimethyl[1-(2-pridyl) methyleneimino-2-naphthonato]gallium. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 1817-1824.	0.8	17
126	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.	5.2	17

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127	Selective ratiometric detection of Hg ²⁺ in pure water using a phenoxazinium-based probe. <i>Tetrahedron Letters</i> , 2011, 52, 2492-2495.	0.7	16
128	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.	1.8	16
129	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.	1.7	16
130	A facile synthesis of Pt@Ir zigzag bimetallic nanocomplexes for hydrogenation reactions. <i>Chemical Communications</i> , 2015, 51, 9216-9219.	2.2	16
131	Three-dimensional nitrogen and sulfur co-doped holey-reduced graphene oxide frameworks anchored with MoO ₂ nanodots for advanced rechargeable lithium-ion batteries. <i>Nanotechnology</i> , 2018, 29, 295404.	1.3	16
132	Mesoporous AgPdPt Nanotubes as Electrocatalysts for the Oxygen Reduction Reaction. <i>ACS Applied Nano Materials</i> , 2019, 2, 1876-1882.	2.4	16
133	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.	6.6	16
134	Study on Thermal Interface Material with Carbon Nanotubes and Carbon Black in High-Brightness LED Packaging with Flip-Chip. , 0, , .		15
135	Colloidal synthesis of ultrathin Fe ₃ O ₄ nanoplates. <i>RSC Advances</i> , 2014, 4, 9314.	1.7	15
136	Facile synthesis of polymer/Au heteronanoparticles. <i>Chemical Communications</i> , 2011, 47, 4228.	2.2	14
137	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.	1.7	14
138	Folic acid modified superparamagnetic iron oxide nanocomposites for targeted hepatic carcinoma MR imaging. <i>RSC Advances</i> , 2014, 4, 7483.	1.7	13
139	Dual carbon-confined Sb ₂ Se ₃ nanoparticles with pseudocapacitive properties for high-performance lithium-ion half/full batteries. <i>Dalton Transactions</i> , 2021, 50, 6642-6649.	1.6	13
140	Seed-mediated synthesis, properties and application of Fe ₃ O ₄ @CdSe magnetic quantum dots. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2150-2158.	1.4	12
141	Interfacial hydrogenation and deamination of nitriles to selectively synthesize tertiary amines. <i>Chemical Communications</i> , 2014, 50, 11110.	2.2	12
142	Synthesis of Pt nanocatalysts for selective hydrogenation of ortho-halogenated nitrobenzene. <i>Science China Chemistry</i> , 2015, 58, 1051-1055.	4.2	12
143	Facile Synthesis of Sea-Urchin-Like Pt and Pt/Au Nanodendrites and Their Enhanced Electrocatalytic Properties. <i>Inorganic Chemistry</i> , 2019, 58, 5375-5379.	1.9	12
144	Synthesis, structural characterization and electroluminescence study of alkylgallium derivatives of thiobenzhydrazones. <i>Journal of Organometallic Chemistry</i> , 2003, 681, 51-58.	0.8	11

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145	Gaseous NH ₃ Confers Porous Pt Nanodendrites Assisted by Halides. <i>Scientific Reports</i> , 2016, 6, 26196.	1.6	11
146	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.	1.4	11
147	A highly active worm-like PtMo nanowire for the selective synthesis of dibenzylamines. <i>RSC Advances</i> , 2018, 8, 8755-8760.	1.7	11
148	A stable PdCu@Pd core-shell nanobranches with enhanced activity and methanol-tolerant for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2020, 354, 136680.	2.6	11
149	Facile synthesis of Au-Pt bimetallic nanocomplexes for direct oxidation of methanol and formic acid. <i>RSC Advances</i> , 2015, 5, 650-653.	1.7	10
150	Extracting anisotropy energy barrier distributions of nanomagnetic systems from magnetization/susceptibility measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, L21-L27.	1.0	9
151	Amphiphilic oligomer-based micelles as cisplatin nanocarriers for cancer therapy. <i>Nanoscale</i> , 2013, 5, 8925.	2.8	9
152	Efficient and ligand free palladium catalyst for Suzuki and Heck cross-coupling reactions. <i>Science China Chemistry</i> , 2014, 57, 1310-1314.	4.2	9
153	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.	1.3	9
154	<i>In situ</i> surface-derivation of AgPdMo/MoS ₂ nanowires for synergistic hydrogen evolution catalysis in alkaline solution. <i>Nanoscale</i> , 2020, 12, 6472-6479.	2.8	9
155	A setaria-shaped Pd/Ni-NC electrocatalyst for high efficient hydrogen evolution reaction. <i>Chemical Engineering Journal Advances</i> , 2021, 6, 100101.	2.4	9
156	Modulation of MoS ₂ interlayer dynamics by <i>in situ</i> N-doped carbon intercalation for high-rate sodium-ion half/full batteries. <i>Nanoscale</i> , 2021, 13, 18322-18331.	2.8	9
157	Synthesis of Pt dendritic nanocubes with enhanced catalytic properties. <i>RSC Advances</i> , 2015, 5, 16497-16500.	1.7	8
158	SYNTHESIS AND CHARACTERIZATION OF DIALKYLALUMINUM, GALLIUM AND INDIUM [2-(N,N-DIMETHYLAMINO)YL]-4-METHYL]PHENOL NOXIDES. CRYSTAL STRUCTURE OF DIMETHYLGALLIUM [2-(N,N-DIMETHYLAMINO)YL]-4-METHYL]PHENOL NOXIDES. <i>Journal of Crystal Growth</i> , 2016, 437, 10-15.	0.6	0
159	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.	6.9	7
160	Platinum nanowires catalyzed direct amidation with aldehydes and amines. <i>Science China Chemistry</i> , 2016, 59, 478-481.	4.2	7
161	A new approach in measuring Cu-EMC adhesion strength by AFM [electronics packaging applications]. , 0, , .		6
162	Solventless Polymerization to Grow Thin Films on Solid Substrates. <i>Advanced Functional Materials</i> , 2004, 14, 492-500.	7.8	6

#	ARTICLE	IF	CITATIONS
163	Novel synthesis of N-alkyl amines from tandem coupling of either methylamine or nitroalkane with aldehyde. <i>Chemical Communications</i> , 2016, 52, 760-763.	2.2	6
164	Synthesis of the Platinum Nanoribbons Regulated by Fluorine and Applications in Electrocatalysis. <i>Inorganic Chemistry</i> , 2021, 60, 4366-4370.	1.9	5
165	Preparation and self-assembly of a dual-functional copolymer for cancer therapy. <i>Reactive and Functional Polymers</i> , 2013, 73, 89-96.	2.0	4
166	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, 223-228.	1.7	4
167	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.	1.4	4
168	Citrate/F ⁻ assisted phase control synthesis of TiO ₂ nanostructures and their photocatalytic properties. <i>RSC Advances</i> , 2015, 5, 74230-74237.	1.7	4
169	Pseudocapacitance-boosted ultrafast and stable Na-storage in NiTe ₂ coupled with N-doped carbon nanosheets for advanced sodium-ion half/full batteries. <i>Dalton Transactions</i> , 2021, 50, 17241-17248.	1.6	4
170	In Situ Simultaneous Cavitation-Doping Approach for Constructing Bimetallic Metal-Organic Framework Hollow Nanospheres with Enhanced Electrocatalytic Hydrogen Production. <i>Inorganic Chemistry</i> , 2022, 61, 5977-5981.	1.9	4
171	pH-responsive polymeric-cargo encapsulated magnetic nanoparticles for selective release and imaging. <i>Journal of Controlled Release</i> , 2011, 152, e67-e68.	4.8	3
172	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.	1.7	3
173	Novel Ultra-thin Platinum Nanowires and Their Catalytic Applications. <i>Current Organic Chemistry</i> , 2015, 19, 2142-2155.	0.9	3
174	Route to the Structure-Controlled Synthesis of Fe Nanobelts and Their Oxygen Evolution Reaction Application. <i>Inorganic Chemistry</i> , 2022, 61, 3024-3028.	1.9	3
175	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.	1.5	2
176	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.	1.5	2
177	Understanding the Atomic-scale Process of Catalytic Assembly of Si Nanowires through Al Injection. <i>ChemCatChem</i> , 2013, 5, 2802-2804.	1.8	0