Shuyan Gao

List of Publications by Year in Descending Order

139 papers	8,141 citations	52 h-index	87 g-index
147 ext. papers	10,640 ext. citations	11 avg, IF	6.86 L-index

#	Paper	IF	Citations
139	Biomass Juncus derived carbon decorated with cobalt nanoparticles enables high-efficiency ammonia electrosynthesis by nitrite reduction. *Journal of Materials Chemistry A*, **2022**, 10, 2842-2848	13	6
138	Ambient Ammonia Synthesis via Electrochemical Reduction of Nitrate Enabled by NiCo O Nanowire Array.. *Small*, **2022**, e2106961	11	27
137	Fe3S4@reduced graphene oxide composites as novel anode materials for high performance alkaline secondary batteries. *Journal of Alloys and Compounds*, **2022**, 895, 162593	5.7	1
136	NiP nanosheet array for high-efficiency electrohydrogenation of nitrite to ammonia at ambient conditions. *Journal of Colloid and Interface Science*, **2022**, 606, 1055-1063	9.3	17
135	Favorable pore size distribution of biomass-derived N, S dual-doped carbon materials for advanced oxygen reduction reaction. *International Journal of Hydrogen Energy*, **2022**, 47, 12964-12974	6.7	1
134	Flower-like open-structured polycrystalline copper with synergistic multi-crystal plane for efficient electrocatalytic reduction of nitrate to ammonia. *Nano Energy*, **2022**, 97, 107124	17.1	6
133	MnO2 nanoarray with oxygen vacancies: An efficient catalyst for NO electroreduction to NH3 at ambient conditions. *Materials Today Physics*, **2021**, 22, 100586	8	18
132	Functional integration of hierarchical core□shell architectures via vertically arrayed ultrathin CuSe nanosheets decorated on hollow CuS microcages targeting highly effective sodium-ion storage. *Journal of Materials Chemistry A*, **2021**, 9, 27615-27628	13	9
131	Electrochemical two-electron O2 reduction reaction toward H2O2 production: using cobalt porphyrin decorated carbon nanotubes as a nanohybrid catalyst. *Journal of Materials Chemistry A*, **2021**, 9, 26019-26027	13	7
130	Electrocatalytic H2O2 production via two-electron O2 reduction by Mo-doped TiO2 nanocrystallines. *Catalysis Science and Technology*, **2021**, 11, 6970-6974	5.5	1
129	A MnS/FeS2 heterostructure with a high degree of lattice matching anchored into carbon skeleton for ultra-stable sodium-ion storage. *Journal of Materials Chemistry A*, **2021**, 9, 24024-24035	13	12
128	High-efficiency electrohydrogenation of nitric oxide to ammonia on a Ni2P nanoarray under ambient conditions. *Journal of Materials Chemistry A*, **2021**, 9, 24268-24275	13	19
127	CoFe-LDH nanowire arrays on graphite felt: A high-performance oxygen evolution electrocatalyst in alkaline media. *Chinese Chemical Letters*, **2021**,	8.1	24
126	Loading Single-Ni Atoms on Assembled Hollow N-Rich Carbon Plates for Efficient CO Electroreduction. *Advanced Materials*, **2021**, e2105204	24	12
125	Rational Design and Engineering of One-Dimensional Hollow Nanostructures for Efficient Electrochemical Energy Storage. *Angewandte Chemie - International Edition*, **2021**, 60, 20102-20118	16.4	38
124	Template-assisted self-activation of mesoporous carbon with active nitrogen/oxygen configurations for sustainable triboelectric nanogenerator powered electro-Fenton degradation. *Nano Energy*, **2021**, 83, 105825	17.1	6
123	Rational Design and Engineering of One-Dimensional Hollow Nanostructures for Efficient Electrochemical Energy Storage. *Angewandte Chemie*, **2021**, 133, 20262-20278	3.6	6

122	Self-powered electro-Fenton degradation system using oxygen-containing functional groups-rich biomass-derived carbon catalyst driven by 3D printed flexible triboelectric nanogenerator. *Nano Energy*, **2021**, 83, 105720	17.1	9
121	3D printed triboelectric nanogenerator self-powered electro-Fenton degradation of orange IV and crystal violet system using N-doped biomass carbon catalyst with tunable catalytic activity. *Nano Energy*, **2021**, 83, 105824	17.1	6
120	Recent Advances in 1D Electrospun Nanocatalysts for Electrochemical Water Splitting. *Small Structures*, **2021**, 2, 2000048	8.7	86
119	Rational design of carbon materials as anodes for potassium-ion batteries. *Energy Storage Materials* , **2021**, 34, 483-507	19.4	59
118	Sustainable self-powered electro-Fenton degradation using N, S co-doped porous carbon catalyst fabricated with adsorption-pyrolysis-doping strategy. *Nano Energy*, **2021**, 81, 105623	17.1	18
117	Pore-structure regulation of biomass-derived carbon materials for an enhanced supercapacitor performance. *Nanoscale*, **2021**, 13, 10051-10060	7.7	8
116	A treasure map for nonmetallic catalysts: optimal nitrogen and fluorine distribution of biomass-derived carbon materials for high-performance oxygen reduction catalysts. *Journal of Materials Chemistry A*, **2021**, 9, 18251-18259	13	2
115	A-site perovskite oxides: an emerging functional material for electrocatalysis and photocatalysis. *Journal of Materials Chemistry A*, **2021**, 9, 6650-6670	13	48
114	TiO Nanoparticles with Ti Sites toward Efficient NH Electrosynthesis under Ambient Conditions. *ACS Applied Materials & Interfaces*, **2021**, 13, 41715-41722	9.5	32
113	Phosphorized CoNi2S4 Yolk-Shell Spheres for Highly Efficient Hydrogen Production via Water and Urea Electrolysis. *Angewandte Chemie*, **2021**, 133, 23067	3.6	0
112	Template-assisted polymerization-pyrolysis derived mesoporous carbon anchored with Fe/Fe3C and FeNX species as efficient oxygen reduction catalysts for Zn-air battery. *International Journal of Hydrogen Energy*, **2021**, 46, 37895-37895	6.7	1
111	N, P-dual doped carbonaceous catalysts derived from bifunctional-salt activation for effective electro-Fenton degradation on waterborne organic pollutions. *Electrochimica Acta*, **2021**, 389, 138732	6.7	1
110	Greatly Facilitated Two-Electron Electroreduction of Oxygen into Hydrogen Peroxide over TiO by Mn Doping. *ACS Applied Materials & Interfaces*, **2021**, 13, 46659-46664	9.5	14
109	High-Performance Electrochemical NO Reduction into NH by MoS Nanosheet. *Angewandte Chemie - International Edition*, **2021**, 60, 25263-25268	16.4	42
108	Phosphorized CoNi S Yolk-Shell Spheres for Highly Efficient Hydrogen Production via Water and Urea Electrolysis. *Angewandte Chemie - International Edition*, **2021**, 60, 22885-22891	16.4	47
107	Nitrogen, phosphorus, sulfur tri-doped porous carbon derived from covalent polymer with versatile performances in supercapacitor, oxygen reduction reaction and electro-fenton degradation. *Microporous and Mesoporous Materials*, **2021**, 325, 111335	5.3	4
106	Hierarchical porous biomass-derived carbon framework with ultrahigh surface area for outstanding capacitance supercapacitor. *Renewable Energy*, **2021**, 179, 1826-1835	8.1	5
105	Recent Progress in Electrocatalytic Methanation of CO2 at Ambient Conditions. *Advanced Functional Materials*, **2021**, 31, 2009449	15.6	40

104	Oxidation-etching induced morphology regulation of Cu catalysts for high-performance electrochemical N2 reduction. *EcoMat*, **2020**, 2, e12026	9.4	7
103	Engineering flexible 3D printed triboelectric nanogenerator to self-power electro-Fenton degradation of pollutants. *Nano Energy*, **2020**, 74, 104908	17.1	29
102	High-performance non-enzymatic glucose detection: using a conductive Ni-MOF as an electrocatalyst. *Journal of Materials Chemistry B*, **2020**, 8, 5411-5415	7.3	63
101	Recent advances in electrospun one-dimensional carbon nanofiber structures/heterostructures as anode materials for sodium ion batteries. *Journal of Materials Chemistry A*, **2020**, 8, 11493-11510	13	69
100	A cobalt–phosphorus nanoparticle decorated N-doped carbon nanosheet array for efficient and durable hydrogen evolution at alkaline pH. *Sustainable Energy and Fuels*, **2020**, 4, 3884-3887	5.8	94
99	Identifying the Origin of Ti Activity toward Enhanced Electrocatalytic N Reduction over TiO Nanoparticles Modulated by Mixed-Valent Copper. *Advanced Materials*, **2020**, 32, e2000299	24	171
98	Effects of gold nanoparticle morphologies on interactions with proteins. *Materials Science and Engineering C*, **2020**, 111, 110830	8.3	14
97	Designed Formation of Double-Shelled Ni-Fe Layered-Double-Hydroxide Nanocages for Efficient Oxygen Evolution Reaction. *Advanced Materials*, **2020**, 32, e1906432	24	167
96	Sn dendrites for electrocatalytic N2 reduction to NH3 under ambient conditions. *Sustainable Energy and Fuels*, **2020**, 4, 4469-4472	5.8	43
95	Greatly Enhanced Electrocatalytic N2 Reduction over V2O3/C by P Doping. *ChemNanoMat*, **2020**, 6, 1315-1319	3.5	62
94	Recent advances in electrospun nanofibers for supercapacitors. *Journal of Materials Chemistry A*, **2020**, 8, 16747-16789	13	79
93	Rationally Designed Three-Layered Cu2S@Carbon@MoS2 Hierarchical Nanoboxes for Efficient Sodium Storage. *Angewandte Chemie*, **2020**, 132, 7245-7250	3.6	20
92	Rationally Designed Three-Layered Cu S@Carbon@MoS Hierarchical Nanoboxes for Efficient Sodium Storage. *Angewandte Chemie - International Edition*, **2020**, 59, 7178-7183	16.4	127
91	Platelet-like CuS impregnated with twin crystal structures for high performance sodium-ion storage. *Journal of Materials Chemistry A*, **2020**, 8, 8049-8057	13	24
90	An ultrasmall Ru2P nanoparticles–reduced graphene oxide hybrid: an efficient electrocatalyst for NH3 synthesis under ambient conditions. *Journal of Materials Chemistry A*, **2020**, 8, 77-81	13	87
89	Aqueous electrocatalytic N2 reduction for ambient NH3 synthesis: recent advances in catalyst development and performance improvement. *Journal of Materials Chemistry A*, **2020**, 8, 1545-1556	13	158
88	FeOOH quantum dots decorated graphene sheet: An efficient electrocatalyst for ambient N2 reduction. *Nano Research*, **2020**, 13, 209-214	10	31
87	Synthesis of Copper-Substituted CoS2@CuxS Double-Shelled Nanoboxes by Sequential Ion Exchange for Efficient Sodium Storage. *Angewandte Chemie*, **2020**, 132, 2666-2670	3.6	24

86	Synthesis of Copper-Substituted CoS @Cu S Double-Shelled Nanoboxes by Sequential Ion Exchange for Efficient Sodium Storage. *Angewandte Chemie - International Edition*, **2020**, 59, 2644-2648	16.4	96
85	Nitrogen-Doped Cobalt Pyrite Yolk-Shell Hollow Spheres for Long-Life Rechargeable Zn-Air Batteries. *Advanced Science*, **2020**, 7, 2001178	13.6	103
84	Metal-based electrocatalytic conversion of CO2 to formic acid/formate. *Journal of Materials Chemistry A*, **2020**, 8, 21947-21960	13	54
83	Electrocatalytic N2 reduction to NH3 with high Faradaic efficiency enabled by vanadium phosphide nanoparticle on V foil. *Nano Research*, **2020**, 13, 2967-2972	10	32
82	Enabling electrochemical conversion of N2 to NH3 under ambient conditions by a CoP3 nanoneedle array. *Journal of Materials Chemistry A*, **2020**, 8, 17956-17959	13	35
81	Three-Dimensional SnS2 Nanoarrays with Enhanced Lithium-Ion Storage Properties. *ChemElectroChem*, **2020**, 7, 4484-4491	4.3	3
80	Iron-based phosphides as electrocatalysts for the hydrogen evolution reaction: recent advances and future prospects. *Journal of Materials Chemistry A*, **2020**, 8, 19729-19745	13	166
79	Why and how to tailor the vertical coordinate of pore size distribution to construct ORR-active carbon materials?. *Nano Energy*, **2019**, 58, 384-391	17.1	69
78	A general dual-templating approach to biomass-derived hierarchically porous heteroatom-doped carbon materials for enhanced electrocatalytic oxygen reduction. *Energy and Environmental Science* , **2019**, 12, 648-655	35.4	212
77	Ambient electrohydrogenation of N2 for NH3 synthesis on non-metal boron phosphide nanoparticles: the critical role of P in boosting the catalytic activity. *Journal of Materials Chemistry A* , **2019**, 7, 16117-16121	13	84
76	A universal strategy for carbon‐based ORR‐active electrocatalyst: One porogen, two pore‐creating mechanisms, three pore types. *Nano Energy*, **2019**, 62, 628-637	17.1	62
75	Self-power electroreduction of N2 into NH3 by 3D printed triboelectric nanogenerators. *Materials Today*, **2019**, 28, 17-24	21.8	91
74	Surface chemistry of gold nanoparticles determines interactions with bovine serum albumin. *Materials Science and Engineering C*, **2019**, 103, 109856	8.3	19
73	Sustainable self-powered electro-Fenton degradation of organic pollutants in wastewater using carbon catalyst with controllable pore activated by EDTA-2Na. *Nano Energy*, **2019**, 59, 346-353	17.1	34
72	Interfacing Manganese Oxide and Cobalt in Porous Graphitic Carbon Polyhedrons Boosts Oxygen Electrocatalysis for Zn-Air Batteries. *Advanced Materials*, **2019**, 31, e1902339	24	219
71	Pyrrolic-nitrogen-rich biomass-derived catalyst for sustainable degradation of organic pollutant via a self-powered electro-Fenton process. *Nano Energy*, **2019**, 64, 103940	17.1	31
70	PdP2 nanoparticles‐reduced graphene oxide for electrocatalytic N2 conversion to NH3 under ambient conditions. *Journal of Materials Chemistry A*, **2019**, 7, 24760-24764	13	67
69	Synthesis of Cobalt Sulfide Multi-shelled Nanoboxes with Precisely Controlled Two to Five Shells for Sodium-Ion Batteries. *Angewandte Chemie*, **2019**, 131, 2701-2705	3.6	27

68	Synthesis of Cobalt Sulfide Multi-shelled Nanoboxes with Precisely Controlled Two to Five Shells for Sodium-Ion Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 2675-2679	16.4	117
67	Preparation of porous carbon electrodes from semen cassiae for high-performance electric double-layer capacitors. *New Journal of Chemistry*, **2018**, 42, 6763-6769	3.6	21
66	An advanced electro-Fenton degradation system with triboelectric nanogenerator as electric supply and biomass-derived carbon materials as cathode catalyst. *Nano Energy*, **2018**, 45, 21-27	17.1	63
65	Ambient N2 fixation to NH3 at ambient conditions: Using Nb2O5 nanofiber as a high-performance electrocatalyst. *Nano Energy*, **2018**, 52, 264-270	17.1	256
64	Hierarchically porous carbon materials with controllable proportion of micropore area by dual-activator synthesis for high-performance supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 15340-15347	13	87
63	Marriage of an Ether-Based Electrolyte with Hard Carbon Anodes Creates Superior Sodium-Ion Batteries with High Mass Loading. *ACS Applied Materials & Interfaces*, **2018**, 10, 41380-41388	9.5	44
62	Nickel-Iron Layered Double Hydroxide Hollow Polyhedrons as a Superior Sulfur Host for Lithium-Sulfur Batteries. *Angewandte Chemie - International Edition*, **2018**, 57, 10944-10948	16.4	205
61	Nickel–Iron Layered Double Hydroxide Hollow Polyhedrons as a Superior Sulfur Host for Lithium–Sulfur Batteries. *Angewandte Chemie*, **2018**, 130, 11110-11114	3.6	23
60	Self-Powered Electrochemical Oxidation of 4-Aminoazobenzene Driven by a Triboelectric Nanogenerator. *ACS Nano*, **2017**, 11, 770-778	16.7	40
59	A versatile biomass derived carbon material for oxygen reduction reaction, supercapacitors and oil/water separation. *Nano Energy*, **2017**, 33, 334-342	17.1	288
58	Triboelectric Nanogenerator Powered Electrochemical Degradation of Organic Pollutant Using Pt-Free Carbon Materials. *ACS Nano*, **2017**, 11, 3965-3972	16.7	67
57	N-doped-carbon-coated Fe3O4 from metal-organic framework as efficient electrocatalyst for ORR. *Nano Energy*, **2017**, 40, 462-470	17.1	158
56	Chemical crosslinking engineered nitrogen-doped carbon aerogels from polyaniline-boric acid-polyvinyl alcohol gels for high-performance electrochemical capacitors. *Carbon*, **2017**, 123, 471-480	10.4	37
55	An innovative electro-fenton degradation system self-powered by triboelectric nanogenerator using biomass-derived carbon materials as cathode catalyst. *Nano Energy*, **2017**, 42, 314-321	17.1	53
54	Biomass-derived interconnected carbon nanoring electrochemical capacitors with high performance in both strongly acidic and alkaline electrolytes. *Journal of Materials Chemistry A*, **2017**, 5, 181-188	13	105
53	Self-assembly-template engineering nitrogen-doped carbon aerogels for high-rate supercapacitors. *Nano Energy*, **2016**, 28, 206-215	17.1	136
52	Electrochemical oxidation degradation of azobenzene dye self-powered by multilayer-linkage triboelectric nanogenerator. *Nano Energy*, **2016**, 30, 52-58	17.1	25
51	Nitrogen-Doped Porous Carbon Derived from Malachium Aquaticum Biomass as a Highly Efficient Electrocatalyst for Oxygen Reduction Reaction. *Electrochimica Acta*, **2016**, 220, 427-435	6.7	57

50	Functional Groups and Pore Size Distribution Do Matter to Hierarchically Porous Carbons as High-Rate-Performance Supercapacitors. *Chemistry of Materials*, **2016**, 28, 445-458	9.6	189
49	Self-Powered Electrochemistry for the Oxidation of Organic Molecules by a Cross-Linked Triboelectric Nanogenerator. *Advanced Materials*, **2016**, 28, 5188-94	24	24
48	Nitrogen-doped carbon shell structure derived from natural leaves as a potential catalyst for oxygen reduction reaction. *Nano Energy*, **2015**, 13, 518-526	17.1	118
47	Recycling the biowaste to produce nitrogen and sulfur self-doped porous carbon as an efficient catalyst for oxygen reduction reaction. *Nano Energy*, **2015**, 16, 408-418	17.1	105
46	Peanut-Shell-like Porous Carbon from Nitrogen-Containing Poly-N-phenylethanolamine for High-Performance Supercapacitor. *ACS Applied Materials & Interfaces*, **2015**, 7, 22238-45	9.5	52
45	Self-assembly of cuprous oxide nanoparticles supported on reduced graphene oxide and their enhanced performance for catalytic reduction of nitrophenols. *RSC Advances*, **2015**, 5, 71259-71267	3.7	28
44	Oxidation of diclofenac by potassium ferrate (VI): reaction kinetics and toxicity evaluation. *Science of the Total Environment*, **2015**, 506-507, 252-8	10.2	29
43	Transforming organic-rich amaranthus waste into nitrogen-doped carbon with superior performance of the oxygen reduction reaction. *Energy and Environmental Science*, **2015**, 8, 221-229	35.4	266
42	Honeysuckles-derived porous nitrogen, sulfur, dual-doped carbon as high-performance metal-free oxygen electroreduction catalyst. *Nano Energy*, **2015**, 12, 785-793	17.1	144
41	Large scale production of biomass-derived N-doped porous carbon spheres for oxygen reduction and supercapacitors. *Journal of Materials Chemistry A*, **2014**, 2, 3317	13	179
40	Nitrogen-enriched carbon from bamboo fungus with superior oxygen reduction reaction activity. *Journal of Materials Chemistry A*, **2014**, 2, 18263-18270	13	63
39	A green one-arrow-two-hawks strategy for nitrogen-doped carbon dots as fluorescent ink and oxygen reduction electrocatalysts. *Journal of Materials Chemistry A*, **2014**, 2, 6320	13	118
38	Nitrogen-Doped Carbon with Mesopore Confinement Efficiently Enhances the Tolerance, Sensitivity, and Stability of a Pt Catalyst for the Oxygen Reduction Reaction. *Particle and Particle Systems Characterization*, **2013**, 30, 864-872	3.1	24
37	CoS2□graphene composite as efficient catalytic counter electrode for dye-sensitized solar cell. *Electrochimica Acta*, **2013**, 114, 173-179	6.7	65
36	Old tree with new shoots: silver nanoparticles for label-free and colorimetric mercury ions detection. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	26
35	Effects of precursor treatment on the structure and electrochemical properties of spinel LiMn2O4 cathode. *Journal of Alloys and Compounds*, **2013**, 566, 16-21	5.7	18
34	Application of hierarchical TiO2 spheres as scattering layer for enhanced photovoltaic performance in dye sensitized solar cell. *CrystEngComm*, **2013**, 15, 3351	3.3	52
33	One stone, two birds: Gastrodia elata-derived heteroatom-doped carbon materials for efficient oxygen reduction electrocatalyst and as fluorescent decorative materials. *Nano Energy*, **2013**, 2, 1261-1270	17.1	47

32	Anatase TiO2 nanocrystals enclosed by well-defined crystal facets and their application in dye-sensitized solar cell. *CrystEngComm*, **2013**, 15, 516-523	3.3	34
31	Bioinspired synthesis of hierarchically micro/nano-structured CuI tetrahedron and its potential application as adsorbent for Cd(II) with high removal capacity. *Journal of Hazardous Materials*, **2012**, 211-212, 55-61	12.8	13
30	Hierarchical plasmonic-metal/semiconductor micro/nanostructures: green synthesis and application in catalytic reduction of p-nitrophenol. *Journal of Nanoparticle Research*, **2012**, 14, 1	2.3	28
29	Hierarchically micro/nanostructured porous metallic copper: Convenient growth and superhydrophilic and catalytic performance. *Journal of Materials Chemistry*, **2012**, 22, 21733		48
28	Biomolecule-assisted in situ route toward 3D superhydrophilic Ag/CuO micro/nanostructures with excellent artificial sunlight self-cleaning performance. *Journal of Materials Chemistry*, **2011**, 21, 7281		36
27	Recent developments and applications of hybrid surface plasmon resonance interfaces in optical sensing. *Analytical and Bioanalytical Chemistry*, **2011**, 399, 91-101	4.4	12
26	Hierarchical Ag/ZnO micro/nanostructure: Green synthesis and enhanced photocatalytic performance. *Journal of Solid State Chemistry*, **2011**, 184, 764-769	3.3	87
25	Antibiotic-inspired zinc oxide with morphology-dependent photocatalytic activity. *Canadian Journal of Chemistry*, **2011**, 89, 590-597	0.9	3
24	Cauliflower-like CuI nanostructures: Green synthesis and applications as catalyst and adsorbent. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2011**, 176, 1021-1027	3.1	24
23	Bioinspired Green Synthesis of Nanomaterials and their Applications. *Current Nanoscience*, **2010**, 6, 452-468	1.4	9
22	Bioinspired synthesis of well faceted CuI nanostructures and evaluation of their catalytic performance for coupling reactions. *Green Chemistry*, **2010**, 12, 1442	10	22
21	Highly Stable Au Nanoparticles with Tunable Spacing and Their Potential Application in Surface Plasmon Resonance Biosensors. *Advanced Functional Materials*, **2010**, 20, 78-86	15.6	63
20	Preparation and characterization of PS/pAPBA core-shell microspheres. *Frontiers of Chemistry in China: Selected Publications From Chinese Universities*, **2009**, 4, 168-172		2
19	Innovative platform for transmission localized surface plasmon transducers and its application in detecting heavy metal Pd(II). *Analytical Chemistry*, **2009**, 81, 7703-12	7.8	20
18	Transferrable superhydrophobic surface constructed by a hexagonal CuI powder without modification by low-free-energy materials. *ACS Applied Materials & Interfaces*, **2009**, 1, 2080-5	9.5	16
17	Ordered Co3O4 hierarchical nanorod arrays: tunable superhydrophilicity without UV irradiation and transition to superhydrophobicity. *Journal of Materials Chemistry*, **2009**, 19, 8366		116
16	Tyrosine-assisted preparation of Ag/ZnO nanocomposites with enhanced photocatalytic performance and synergistic antibacterial activities. *Nanotechnology*, **2008**, 19, 445711	3.4	157
15	One-Pot Synthesis of Ag/ZnO Self-Assembled 3D Hollow Microspheres with Enhanced Photocatalytic Performance. *Journal of Physical Chemistry C*, **2008**, 112, 16792-16800	3.8	306

14	Green Fabrication of Hierarchical CuO Hollow Micro/Nanostructures and Enhanced Performance as Electrode Materials for Lithium-ion Batteries. *Journal of Physical Chemistry C*, **2008**, 112, 19324-19328	3.8	173
13	Biopolymer-Assisted Synthesis of Single Crystalline Gold Disks by a Hydrothermal Route. *Current Nanoscience*, **2008**, 4, 145-150	1.4	7
12	Room-temperature strategy for networked nonspherical gold nanostructures from Au(III)[G-2]CO2H dendrimer complex. *Journal of Colloid and Interface Science*, **2006**, 293, 409-13	9.3	10
11	ZnO-based hollow microspheres: biopolymer-assisted assemblies from ZnO nanorods. *Journal of Physical Chemistry B*, **2006**, 110, 15847-52	3.4	134
10	Engineering white light-emitting Eu-doped ZnO urchins by biopolymer-assisted hydrothermal method. *Applied Physics Letters*, **2006**, 89, 123125	3.4	105
9	Carboxyl-cored dendrimer and toluene-assisted fabrication of uniform platinum nanodendrites at a water/oil interface and their potential application as a catalyst. *Nanotechnology*, **2006**, 17, 1599-606	3.4	4
8	Unique gold sponges: biopolymer-assisted hydrothermal synthesis and potential application as surface-enhanced Raman scattering substrates. *Nanotechnology*, **2005**, 16, 2530-2535	3.4	25
7	Studies on the second virial coefficient of sodium alginate solution. *Polymers for Advanced Technologies*, **1997**, 8, 722-726	3.2	2
6	Highly efficient two-electron electroreduction of oxygen into hydrogen peroxide over Cu-doped TiO2. *Nano Research*,1	10	3
5	In situ grown Fe3O4 particle on stainless steel: A highly efficient electrocatalyst for nitrate reduction to ammonia. *Nano Research*,1	10	17
4	Electrocatalysis enabled transformation of earth-abundant water, nitrogen and carbon dioxide for a sustainable future. *Materials Advances*,	3.3	1
3	CoTe nanoparticle-embedded N-doped hollow carbon polyhedron: an efficient catalyst for H2O2 electrosynthesis in acidic media. *Journal of Materials Chemistry A*,	13	9
2	High-Performance Electrochemical NO Reduction into NH3 by MoS2 Nanosheet. *Angewandte Chemie*,	3.6	8
1	Self-catalyzed growth of Zn/Co-N-C carbon nanotubes derived from metal-organic frameworks as efficient oxygen reduction catalysts for Zn-air battery. *Science China Materials*,1	7.1	1