

# Aiqin Wang

## List of Publications by Year in descending order

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794  
papers

67,034  
citations

751

118  
h-index

1206

226  
g-index

816  
all docs

816  
docs citations

816  
times ranked

46057  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-atom catalysis of CO oxidation using Pt <sub>1</sub> /FeO <sub>x</sub> . <i>Nature Chemistry</i> , 2011, 3, 634-641.	14.1	5,528
2	Single-Atom Catalysts: A New Frontier in Heterogeneous Catalysis. <i>Accounts of Chemical Research</i> , 2013, 46, 1740-1748.	16.2	3,642
3	Heterogeneous single-atom catalysis. <i>Nature Reviews Chemistry</i> , 2018, 2, 65-81.	22.3	2,986
4	Catalytic Transformation of Lignin for the Production of Chemicals and Fuels. <i>Chemical Reviews</i> , 2015, 115, 11559-11624.	50.5	2,321
5	Photoelectrochemical devices for solar water splitting – materials and challenges. <i>Chemical Society Reviews</i> , 2017, 46, 4645-4660.	39.8	1,245
6	Selective Hydrogenation over Supported Metal Catalysts: From Nanoparticles to Single Atoms. <i>Chemical Reviews</i> , 2020, 120, 683-733.	50.5	993
7	FeO <sub>x</sub> -supported platinum single-atom and pseudo-single-atom catalysts for chemoselective hydrogenation of functionalized nitroarenes. <i>Nature Communications</i> , 2014, 5, 5634.	13.0	941
8	Remarkable Performance of Ir <sub>1</sub> /FeO <sub>x</sub> Single-Atom Catalyst in Water Gas Shift Reaction. <i>Journal of the American Chemical Society</i> , 2013, 135, 15314-15317.	14.5	853
9	Direct Catalytic Conversion of Cellulose into Ethylene Glycol Using Nickel-Promoted Tungsten Carbide Catalysts. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8510-8513.	14.6	683
10	Single-atom dispersed Co-N-C catalyst: structure identification and performance for hydrogenative coupling of nitroarenes. <i>Chemical Science</i> , 2016, 7, 5758-5764.	7.7	596
11	Thermally stable single atom Pt/m-Al <sub>2</sub> O <sub>3</sub> for selective hydrogenation and CO oxidation. <i>Nature Communications</i> , 2017, 8, 16100.	13.0	580
12	Ag Alloyed Pd Single-Atom Catalysts for Efficient Selective Hydrogenation of Acetylene to Ethylene in Excess Ethylene. <i>ACS Catalysis</i> , 2015, 5, 3717-3725.	11.5	572
13	Atomically dispersed nickel as coke-resistant active sites for methane dry reforming. <i>Nature Communications</i> , 2019, 10, 5181.	13.0	457
14	Ultrastable single-atom gold catalysts with strong covalent metal-support interaction (CMSI). <i>Nano Research</i> , 2015, 8, 2913-2924.	10.5	445
15	Adsorption characteristics of Congo Red onto the chitosan/montmorillonite nanocomposite. <i>Journal of Hazardous Materials</i> , 2007, 147, 979-985.	12.5	441
16	One-Pot Conversion of Cellulose to Ethylene Glycol with Multifunctional Tungsten-Based Catalysts. <i>Accounts of Chemical Research</i> , 2013, 46, 1377-1386.	16.2	436
17	Hydroformylation of Olefins by a Rhodium Single-Atom Catalyst with Activity Comparable to RhCl(PPh <sub>3</sub> ) <sub>3</sub> . <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16054-16058.	14.6	419
18	Magnetic, Durable, and Superhydrophobic Polyurethane@Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @Fluoropolymer Sponges for Selective Oil Absorption and Oil/Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4936-4946.	8.2	418

#	ARTICLE	IF	CITATIONS
19	Theoretical Understandings of Graphene-based Metal Single-Atom Catalysts: Stability and Catalytic Performance. <i>Chemical Reviews</i> , 2020, 120, 12315-12341.	50.5	409
20	Performance of Cu-Alloyed Pd Single-Atom Catalyst for Semihydrogenation of Acetylene under Simulated Front-End Conditions. <i>ACS Catalysis</i> , 2017, 7, 1491-1500.	11.5	399
21	Highly Efficient Catalysis of Preferential Oxidation of CO in H <sub>2</sub> -Rich Stream by Gold Single-Atom Catalysts. <i>ACS Catalysis</i> , 2015, 5, 6249-6254.	11.5	396
22	pH-sensitive sodium alginate/poly(vinyl alcohol) hydrogel beads prepared by combined Ca <sup>2+</sup> crosslinking and freeze-thawing cycles for controlled release of diclofenac sodium. <i>International Journal of Biological Macromolecules</i> , 2010, 46, 517-523.	7.6	391
23	Recent Advances in Preferential Oxidation of CO Reaction over Platinum Group Metal Catalysts. <i>ACS Catalysis</i> , 2012, 2, 1165-1178.	11.5	388
24	One-pot catalytic hydrocracking of raw woody biomass into chemicals over supported carbide catalysts: simultaneous conversion of cellulose, hemicellulose and lignin. <i>Energy and Environmental Science</i> , 2012, 5, 6383-6390.	31.9	367
25	PdZn Intermetallic Nanostructure with Pd@Zn@Pd Ensembles for Highly Active and Chemoselective Semi-Hydrogenation of Acetylene. <i>ACS Catalysis</i> , 2016, 6, 1054-1061.	11.5	349
26	Synthesis and swelling properties of pH-sensitive semi-IPN superabsorbent hydrogels based on sodium alginate-g-poly(sodium acrylate) and polyvinylpyrrolidone. <i>Carbohydrate Polymers</i> , 2010, 80, 1028-1036.	10.4	325
27	Synthesis and characterization of chitosan-g-poly(acrylic acid)/attapulgitite superabsorbent composites. <i>Carbohydrate Polymers</i> , 2007, 68, 367-374.	10.4	322
28	Unraveling the coordination structure-performance relationship in Pt <sub>1</sub> /Fe <sub>2</sub> O <sub>3</sub> single-atom catalyst. <i>Nature Communications</i> , 2019, 10, 4500.	13.0	319
29	Hydrolysis of cellulose into glucose over carbons sulfonated at elevated temperatures. <i>Chemical Communications</i> , 2010, 46, 6935.	4.2	316
30	Removal of methylene blue from aqueous solution using chitosan-g-poly(acrylic acid) superabsorbent composites. <i>Journal of Applied Polymer Science</i> , 2008, 108, 47-53.	4.8	310
31	Single-atom catalyst: a rising star for green synthesis of fine chemicals. <i>National Science Review</i> , 2018, 5, 653-672.	9.4	285
32	Adsorption properties of Congo Red from aqueous solution onto surfactant-modified montmorillonite. <i>Journal of Hazardous Materials</i> , 2008, 160, 173-180.	12.5	284
33	Dynamic Behavior of Single-Atom Catalysts in Electrocatalysis: Identification of Cu-N <sub>3</sub> as an Active Site for the Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2021, 143, 14530-14539.	14.5	274
34	Durable superhydrophobic/superoleophilic PDMS sponges and their applications in selective oil absorption and in plugging oil leakages. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18281-18287.	10.4	272
35	Co@Ni@C Catalyst for C-C Coupling Reactions: On the Catalytic Performance and Active Sites. <i>ACS Catalysis</i> , 2015, 5, 6563-6572.	11.5	271
36	Synthesis of ethylene glycol and terephthalic acid from biomass for producing PET. <i>Green Chemistry</i> , 2016, 18, 342-359.	9.2	270

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37	Synthesis of Thermally Stable and Highly Active Bimetallic Au~Ag Nanoparticles on Inert Supports. <i>Chemistry of Materials</i> , 2009, 21, 410-418.	6.9	266
38	Production of Primary Amines by Reductive Amination of Biomass-Derived Aldehydes/Ketones. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3050-3054.	14.6	263
39	Superhydrophobic kapok fiber oil-absorbent: Preparation and high oil absorbency. <i>Chemical Engineering Journal</i> , 2012, 213, 1-7.	12.8	259
40	Studies on poly(acrylic acid)/attapulgite superabsorbent composite. I. Synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 2004, 92, 1596-1603.	2.7	258
41	Preparation and characterization of a novel pH-sensitive chitosan-g-poly (acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td ( sodium. <i>Carbohydrate Polymers</i> , 2009, 78, 731-737.	10.4	258
42	A Durable Nickel Single-Atom Catalyst for Hydrogenation Reactions and Cellulose Valorization under Harsh Conditions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7071-7075.	14.6	257
43	A new 3D mesoporous carbon replicated from commercial silica as a catalyst support for direct conversion of cellulose into ethylene glycol. <i>Chemical Communications</i> , 2010, 46, 862-864.	4.2	254
44	Fast removal of methylene blue from aqueous solution by adsorption onto chitosan-g-poly (acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	8.3	246
45	A review on bidirectional analogies between the photocatalysis and antibacterial properties of ZnO. <i>Journal of Alloys and Compounds</i> , 2019, 783, 898-918.	5.6	246
46	Enhanced adsorption of Methylene Blue from aqueous solution by chitosan-g-poly (acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	6.3	243
47	Efficient and Durable Au Alloyed Pd Single-Atom Catalyst for the Ullmann Reaction of Aryl Chlorides in Water. <i>ACS Catalysis</i> , 2014, 4, 1546-1553.	11.5	236
48	Effect of kapok fiber treated with various solvents on oil absorbency. <i>Industrial Crops and Products</i> , 2012, 40, 178-184.	5.3	235
49	Removal of Cu(II) from aqueous solution by adsorption onto acid-activated palygorskite. <i>Journal of Hazardous Materials</i> , 2007, 149, 346-354.	12.5	226
50	Insight into the piezo-photo coupling effect of PbTiO3/CdS composites for piezo-photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119586.	20.4	223
51	Zeolite-supported metal catalysts for selective hydrodeoxygenation of biomass-derived platform molecules. <i>Green Chemistry</i> , 2019, 21, 3744-3768.	9.2	220
52	Fast removal of copper ions from aqueous solution by chitosan-g-poly(acrylic acid)/attapulgite composites. <i>Journal of Hazardous Materials</i> , 2009, 168, 970-977.	12.5	219
53	Strong metal-support interaction promoted scalable production of thermally stable single-atom catalysts. <i>Nature Communications</i> , 2020, 11, 1263.	13.0	214
54	Kinetic and isothermal studies of lead ion adsorption onto palygorskite clay. <i>Journal of Colloid and Interface Science</i> , 2007, 307, 309-316.	9.5	211

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55	In situ generation of sodium alginate/hydroxyapatite nanocomposite beads as drug-controlled release matrices. <i>Acta Biomaterialia</i> , 2010, 6, 445-454.	8.6	201
56	Direct Catalytic Conversion of Cellulose into Ethylene Glycol Using Nickel-Promoted Tungsten Carbide Catalysts. <i>Angewandte Chemie</i> , 2008, 120, 8638-8641.	2.1	196
57	Adsorption kinetics of Cu(II) ions using N,O-carboxymethyl-chitosan. <i>Journal of Hazardous Materials</i> , 2006, 131, 103-111.	12.5	194
58	Nanocomposite of carboxymethyl cellulose and attapulgite as a novel pH-sensitive superabsorbent: Synthesis, characterization and properties. <i>Carbohydrate Polymers</i> , 2010, 82, 83-91.	10.4	193
59	Adsorption of dyes onto palygorskite and its composites: A review. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1274-1294.	6.8	192
60	Adsorption properties of congo red from aqueous solution onto N,O-carboxymethyl-chitosan. <i>Bioresource Technology</i> , 2008, 99, 1403-1408.	9.6	189
61	Design of a Highly Active Ir/Fe(OH) <sub>2</sub> Catalyst: Versatile Application of Pt-Group Metals for the Preferential Oxidation of Carbon Monoxide. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2920-2924.	14.6	188
62	Synthesis of High-Quality Diesel with Furfural and 2-Methylfuran from Hemicellulose. <i>ChemSusChem</i> , 2012, 5, 1958-1966.	7.4	186
63	UiO-66 derived Ru/ZrO <sub>2</sub> @C as a highly stable catalyst for hydrogenation of levulinic acid to $\beta$ -valerolactone. <i>Green Chemistry</i> , 2017, 19, 2201-2211.	9.2	185
64	Understanding the synergistic effects of gold bimetallic catalysts. <i>Journal of Catalysis</i> , 2013, 308, 258-271.	6.4	182
65	Adsorption characteristics of Cu(II) from aqueous solution onto poly(acrylamide)/attapulgite composite. <i>Journal of Hazardous Materials</i> , 2009, 165, 223-231.	12.5	180
66	Pressure-Sensitive and Conductive Carbon Aerogels from Poplars Catkins for Selective Oil Absorption and Oil/Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 18001-18007.	8.2	179
67	Highly selective and robust single-atom catalyst Ru <sub>1</sub> /NC for reductive amination of aldehydes/ketones. <i>Nature Communications</i> , 2021, 12, 3295.	13.0	179
68	A simple hydrothermal approach to modify palygorskite for high-efficient adsorption of Methylene blue and Cu(II) ions. <i>Chemical Engineering Journal</i> , 2015, 265, 228-238.	12.8	178
69	Utilization of starch and clay for the preparation of superabsorbent composite. <i>Bioresource Technology</i> , 2007, 98, 327-332.	9.6	176
70	Synthesis, characterization and swelling behaviors of sodium alginate-g-poly(acrylic acid)/sodium humate superabsorbent. <i>Carbohydrate Polymers</i> , 2009, 75, 79-84.	10.4	173
71	Selectivity Control for Cellulose to Diols: Dancing on Eggs. <i>ACS Catalysis</i> , 2017, 7, 1939-1954.	11.5	173
72	Synthesis and properties of clay-based superabsorbent composite. <i>European Polymer Journal</i> , 2005, 41, 1630-1637.	5.5	172

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73	A Schiff base modified gold catalyst for green and efficient H <sub>2</sub> production from formic acid. Energy and Environmental Science, 2015, 8, 3204-3207.	31.9	172
74	<i>Nepenthes</i> Pitcher Inspired Anti-Wetting Silicone Nanofilaments Coatings: Preparation, Unique Anti-Wetting and Self-Cleaning Behaviors. Advanced Functional Materials, 2014, 24, 1074-1080.	16.3	162
75	A comparative study about adsorption of natural palygorskite for methylene blue. Chemical Engineering Journal, 2015, 262, 390-398.	12.8	162
76	Adsorption of lead ions from aqueous solution by using carboxymethyl cellulose-g-poly (acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	8.3	161
77	Efficient adsorption of methylene blue on an alginate-based nanocomposite hydrogel enhanced by organo-illite/smectite clay. Chemical Engineering Journal, 2013, 228, 132-139.	12.8	161
78	Ag nanoparticle-entrapped hydrogel as promising material for catalytic reduction of organic dyes. Journal of Materials Chemistry, 2012, 22, 16552.	6.7	158
79	Research and application of kapok fiber as an absorbing material: A mini review. Journal of Environmental Sciences, 2015, 27, 21-32.	6.3	158
80	Adsorption behavior of Cu <sup>2+</sup> from aqueous solutions onto starch-g-poly(acrylic acid)/sodium humate hydrogels. Desalination, 2010, 263, 170-175.	8.3	157
81	Maximizing the Number of Interfacial Sites in Single-Atom Catalysts for the Highly Selective, Solvent-Free Oxidation of Primary Alcohols. Angewandte Chemie - International Edition, 2018, 57, 7795-7799.	14.6	157
82	Temperature-controlled phase-transfer catalysis for ethylene glycol production from cellulose. Chemical Communications, 2012, 48, 7052.	4.2	156
83	Adsorption of methylene blue by kapok fiber treated by sodium chlorite optimized with response surface methodology. Chemical Engineering Journal, 2012, 184, 248-255.	12.8	156
84	Adsorption properties of crosslinked carboxymethyl-chitosan resin with Pb(II) as template ions. Journal of Hazardous Materials, 2006, 136, 930-937.	12.5	155
85	Promotional effect of Pd single atoms on Au nanoparticles supported on silica for the selective hydrogenation of acetylene in excess ethylene. New Journal of Chemistry, 2014, 38, 2043.	2.7	154
86	Evaluation of ammonium removal using a chitosan-g-poly (acrylic acid)/rectorite hydrogel composite. Journal of Hazardous Materials, 2009, 171, 671-677.	12.5	153
87	Ordered Crystalline Alumina Molecular Sieves Synthesized via a Nanocasting Route. Chemistry of Materials, 2006, 18, 5153-5155.	6.9	152
88	Catalytic conversion of cellulose to hexitols with mesoporous carbon supported Ni-based bimetallic catalysts. Green Chemistry, 2012, 14, 614.	9.2	152
89	One-pot fabrication of multifunctional superparamagnetic attapulgite/Fe <sub>3</sub> O <sub>4</sub> /polyaniline nanocomposites served as an adsorbent and catalyst support. Journal of Materials Chemistry A, 2015, 3, 281-289.	10.4	152
90	Cerium-Oxide-Modified Nickel as a Non-Noble Metal Catalyst for Selective Decomposition of Hydrous Hydrazine to Hydrogen. ACS Catalysis, 2015, 5, 1623-1628.	11.5	149

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91	Facile preparation of durable and robust superhydrophobic textiles by dip coating in nanocomposite solution of organosilanes. <i>Chemical Communications</i> , 2013, 49, 11509.	4.2	148
92	Synthesis of renewable high-density fuels using cyclopentanone derived from lignocellulose. <i>Chemical Communications</i> , 2014, 50, 2572.	4.2	148
93	Hydrogenolysis of Glycerol to 1,3-Propanediol under Low Hydrogen Pressure over WO <sub>3</sub> -Supported Single/Pseudo-Atom Pt Catalyst. <i>ChemSusChem</i> , 2016, 9, 784-790.	7.4	145
94	Cooperative Pollutant Adsorption and Persulfate-Driven Oxidation on Hierarchically Ordered Porous Carbon. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10352-10360.	10.3	144
95	Ultralight, compressible and multifunctional carbon aerogels based on natural tubular cellulose. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2069-2074.	10.4	143
96	Preparation and Properties of Chitosan-g-poly(acrylic acid)/Montmorillonite Superabsorbent Nanocomposite via in Situ Intercalative Polymerization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 2497-2502.	3.7	142
97	Valorization of Lignin to Simple Phenolic Compounds over Tungsten Carbide: Impact of Lignin Structure. <i>ChemSusChem</i> , 2017, 10, 523-532.	7.4	142
98	Preparation and swelling properties of pH-sensitive composite hydrogel beads based on chitosan-g-poly (acrylic acid)/vermiculite and sodium alginate for diclofenac controlled release. <i>International Journal of Biological Macromolecules</i> , 2010, 46, 356-362.	7.6	140
99	Recent progress in dispersion of palygorskite crystal bundles for nanocomposites. <i>Applied Clay Science</i> , 2016, 119, 18-30.	5.4	139
100	Catalytic Conversion of Cellulose to Ethylene Glycol over a Low-Cost Binary Catalyst of Raney Ni and Tungstic Acid. <i>ChemSusChem</i> , 2013, 6, 652-658.	7.4	138
101	Aqueous phase hydrogenation of levulinic acid to 1,4-pentanediol. <i>Chemical Communications</i> , 2014, 50, 1414.	4.2	137
102	Green Synthesis and Characterization of Anisotropic Uniform Single-Crystal $\pm$ -MoO <sub>3</sub> Nanostructures. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2401-2408.	3.2	136
103	Study on superabsorbent composites. IX: Synthesis, characterization and swelling behaviors of polyacrylamide/clay composites based on various clays. <i>Reactive and Functional Polymers</i> , 2007, 67, 737-745.	4.3	136
104	Attapulgit/bentonite interactions for methylene blue adsorption characteristics from aqueous solution. <i>Chemical Engineering Journal</i> , 2014, 237, 403-410.	12.8	136
105	Synthesis of 1,6-hexanediol from HMF over double-layered catalysts of Pd/SiO <sub>2</sub> + Ir-ReO <sub>x</sub> /SiO <sub>2</sub> in a fixed-bed reactor. <i>Green Chemistry</i> , 2016, 18, 2175-2184.	9.2	136
106	Controlling CO <sub>2</sub> Hydrogenation Selectivity by Metal-Supported Electron Transfer. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19983-19989.	14.6	135
107	Zn-Al-Hydrotalcite-Supported Au <sub>25</sub> Nanoclusters as Precatalysts for Chemoselective Hydrogenation of $\epsilon$ -Nitrostyrene. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2709-2713.	14.6	134
108	Catalytically Active Rh Sub-Nanoclusters on TiO <sub>2</sub> for CO Oxidation at Cryogenic Temperatures. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2820-2824.	14.6	133

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109	Flow Rhodoelectro-Catalyzed Alkyne Annulations by Versatile C-H Activation: Mechanistic Support for Rhodium(III/IV). <i>Journal of the American Chemical Society</i> , 2019, 141, 17198-17206.	14.5	133
110	Free Energy Methods in Drug Design: Prospects of $\alpha$ -Chemical Perturbation in Medicinal Chemistry. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 638-649.	6.6	131
111	Effect of Various Dissolution Systems on the Molecular Weight of Regenerated Silk Fibroin. <i>Biomacromolecules</i> , 2013, 14, 285-289.	5.6	129
112	Glycol assisted synthesis of graphene-MnO <sub>2</sub> -polyaniline ternary composites for high performance supercapacitor electrodes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7872.	2.9	127
113	Enhanced Electrochemical Performance of Li-Rich Layered Cathode Materials by Combined Cr Doping and LiAlO <sub>2</sub> Coating. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2225-2235.	6.8	127
114	Integrated Conversion of Cellulose to High-Density Aviation Fuel. <i>Joule</i> , 2019, 3, 1028-1036.	24.5	126
115	Study on superabsorbent composite XVI. Synthesis, characterization and swelling behaviors of poly(sodium acrylate)/vermiculite superabsorbent composites. <i>European Polymer Journal</i> , 2007, 43, 1691-1698.	5.5	124
116	Catalytic Hydrogenation of Corn Stalk to Ethylene Glycol and 1,2-Propylene Glycol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 6601-6608.	3.7	122
117	Single-Atom Catalysis in Mesoporous Photovoltaics: The Principle of Utility Maximization. <i>Advanced Materials</i> , 2014, 26, 8147-8153.	24.0	122
118	One-Step Synthesis of Au-Pd Alloy Nanodendrites and Their Catalytic Activity. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12526-12536.	3.2	120
119	Synthesis of renewable diesel with hydroxyacetone and 2-methyl-furan. <i>Chemical Communications</i> , 2013, 49, 5727.	4.2	120
120	Alkali activation of halloysite for adsorption and release of ofloxacin. <i>Applied Surface Science</i> , 2013, 287, 54-61.	6.2	119
121	Adsorption behaviors of Congo red on the N,O-carboxymethyl-chitosan/montmorillonite nanocomposite. <i>Chemical Engineering Journal</i> , 2008, 143, 43-50.	12.8	118
122	Structural and catalytic properties of supported Ni-Ir alloy catalysts for H <sub>2</sub> generation via hydrous hydrazine decomposition. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 779-788.	20.4	118
123	Kapok fiber oriented-polyaniline nanofibers for efficient Cr(VI) removal. <i>Chemical Engineering Journal</i> , 2012, 191, 154-161.	12.8	117
124	Aerobic oxidative coupling of alcohols and amines over Au-Pd/resin in water: Au/Pd molar ratios switch the reaction pathways to amides or imines. <i>Green Chemistry</i> , 2013, 15, 2680.	9.2	117
125	Preparation, characterization and properties of superabsorbent nanocomposites based on natural guar gum and modified rectorite. <i>Carbohydrate Polymers</i> , 2009, 77, 891-897.	10.4	116
126	Coated kapok fiber for removal of spilled oil. <i>Marine Pollution Bulletin</i> , 2013, 69, 91-96.	4.9	115



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127	In-situ synthesis of single-atom Ir by utilizing metal-organic frameworks: An acid-resistant catalyst for hydrogenation of levulinic acid to Î³-valerolactone. <i>Journal of Catalysis</i> , 2019, 373, 161-172.	6.4	114
128	Bioinspired copper single-atom nanozyme as a superoxide dismutase-like antioxidant for sepsis treatment. <i>Exploration</i> , 2022, 2, .	13.7	113
129	Dual-heteroatom-modified ordered mesoporous carbon: Hydrothermal functionalization, structure, and its electrochemical performance. <i>Journal of Materials Chemistry</i> , 2012, 22, 4963.	6.7	112
130	Superwetting Double-Layer Polyester Materials for Effective Removal of Both Insoluble Oils and Soluble Dyes in Water. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 11581-11588.	8.2	112
131	High-Density and Thermally Stable Palladium Single-Atom Catalysts for Chemoselective Hydrogenations. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21613-21619.	14.6	112
132	Biomass into chemicals: One-pot production of furan-based diols from carbohydrates via tandem reactions. <i>Catalysis Today</i> , 2014, 234, 59-65.	4.8	111
133	Synthesis of Diesel or Jet Fuel Range Cycloalkanes with 2-Methylfuran and Cyclopentanone from Lignocellulose. <i>Energy &amp; Fuels</i> , 2014, 28, 5112-5118.	5.2	111
134	Removal of Methyl Violet from aqueous solutions using poly (acrylic acid-co-acrylamide)/attapulgit composite. <i>Journal of Environmental Sciences</i> , 2010, 22, 7-14.	6.3	110
135	Synthesis and characterization of chitosan-g-poly(acrylic acid)/sodium humate superabsorbent. <i>Carbohydrate Polymers</i> , 2007, 70, 166-173.	10.4	109
136	Adsorption characteristics of Cd(II) from aqueous solution onto activated palygorskite. <i>Separation and Purification Technology</i> , 2007, 55, 157-164.	8.0	108
137	Controlled release of ofloxacin from chitosan-montmorillonite hydrogel. <i>Applied Clay Science</i> , 2010, 50, 112-117.	5.4	108
138	Chitosan-g-poly(acrylic acid) hydrogel with crosslinked polymeric networks for Ni <sup>2+</sup> recovery. <i>Analytica Chimica Acta</i> , 2011, 687, 193-200.	5.5	108
139	Catalytic Conversion of Concentrated Glucose to Ethylene Glycol with Semicontinuous Reaction System. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 9566-9572.	3.7	108
140	Adsorption properties of carboxymethyl-chitosan and cross-linked carboxymethyl-chitosan resin with Cu(II) as template. <i>Separation and Purification Technology</i> , 2006, 49, 197-204.	8.0	107
141	Study on superabsorbent composite. III. Swelling behaviors of polyacrylamide/attapulgit composite based on acidified attapulgit and organo-attapulgit. <i>European Polymer Journal</i> , 2005, 41, 2434-2442.	5.5	105
142	Effect of dry grinding on the microstructure of palygorskite and adsorption efficiency for methylene blue. <i>Powder Technology</i> , 2012, 225, 124-129.	4.3	105
143	Study on superabsorbent composite. VI. Preparation, characterization and swelling behaviors of starch phosphate-graft-acrylamide/attapulgit superabsorbent composite. <i>Carbohydrate Polymers</i> , 2006, 65, 150-158.	10.4	104
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