

Bin Dai

List of Publications by Year in descending order

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208
papers

5,123
citations

109321

35
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138484

58
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211
all docs

211
docs citations

211
times ranked

5733
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative Multifunctional Organocatalysts for Ambient Conversion of Carbon Dioxide into Cyclic Carbonates. <i>ACS Catalysis</i> , 2018, 8, 9945-9957.	11.2	188
2	Heteroatom-Doped Porous Carbon Materials with Unprecedented High Volumetric Capacitive Performance. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2397-2401.	13.8	178
3	Brushing up from "anywhere" under sunlight: a universal surface-initiated polymerization from polydopamine-coated surfaces. <i>Chemical Science</i> , 2015, 6, 2068-2073.	7.4	158
4	A novel, non-metallic graphitic carbon nitride catalyst for acetylene hydrochlorination. <i>Journal of Catalysis</i> , 2014, 311, 288-294.	6.2	148
5	Hybridization of graphene nanosheets and carbon-coated hollow Fe ₃ O ₄ nanoparticles as a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2453-2460.	10.3	128
6	Two-dimensional SnS ₂ @PANI nanoplates with high capacity and excellent stability for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3659-3666.	10.3	126
7	Nitrogen and Sulfur Self-Doped Activated Carbon Directly Derived from Elm Flower for High-Performance Supercapacitors. <i>ACS Omega</i> , 2018, 3, 4724-4732.	3.5	122
8	Hydrochlorination of acetylene to vinyl chloride monomer over bimetallic Au-La/SAC catalysts. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 49-54.	5.8	118
9	Phosphotungstic Acid Supported on Mesoporous Graphitic Carbon Nitride as Catalyst for Oxidative Desulfurization of Fuel. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 2040-2047.	3.7	114
10	Highly active phosphotungstic acid immobilized on amino functionalized MCM-41 for the oxidesulfurization of dibenzothiophene. <i>Fuel Processing Technology</i> , 2014, 118, 20-27.	7.2	95
11	N-Doping of plasma exfoliated graphene oxide via dielectric barrier discharge plasma treatment for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2011-2017.	10.3	94
12	Iron(II) Bis-CNN Pincer Complex-Catalyzed Cyclic Carbonate Synthesis at Room Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9065-9075.	6.7	93
13	Progress on cleaner production of vinyl chloride monomers over non-mercury catalysts. <i>Frontiers of Chemical Science and Engineering</i> , 2011, 5, 514-520.	4.4	92
14	A simple, fast and low-cost turn-on fluorescence method for dopamine detection using in situ reaction. <i>Analytica Chimica Acta</i> , 2016, 944, 51-56.	5.4	76
15	A Review of Recent Advances of Dielectric Barrier Discharge Plasma in Catalysis. <i>Nanomaterials</i> , 2019, 9, 1428.	4.1	73
16	Non-mercury catalytic acetylene hydrochlorination over bimetallic Au-Ba/AC catalysts. <i>Catalysis Science and Technology</i> , 2015, 5, 1870-1877.	4.1	65
17	Nitrogen-Doped Banana Peel-Derived Porous Carbon Foam as Binder-Free Electrode for Supercapacitors. <i>Nanomaterials</i> , 2016, 6, 18.	4.1	65
18	Robust Artificial Solid-Electrolyte Interfaces with Biomimetic Ionic Channels for Dendrite-Free Li Metal Anodes. <i>Advanced Energy Materials</i> , 2021, 11, 2003496.	19.5	64

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19	Effect of Phosphorus Ligand on Cu-Based Catalysts for Acetylene Hydrochlorination. ACS Sustainable Chemistry and Engineering, 2019, 7, 6170-6177.	6.7	61
20	Nitrogen-Doped Pitch-Based Spherical Active Carbon as a Nonmetal Catalyst for Acetylene Hydrochlorination. ChemCatChem, 2014, 6, 2339-2344.	3.7	55
21	Three-Dimensional Honeycomb-Like Porous Carbon with Both Interconnected Hierarchical Porosity and Nitrogen Self-Doping from Cotton Seed Husk for Supercapacitor Electrode. Nanomaterials, 2018, 8, 412.	4.1	52
22	Bio-based healable non-isocyanate polyurethanes driven by the cooperation of disulfide and hydrogen bonds. Polymer Chemistry, 2020, 11, 7524-7532.	3.9	52
23	A novel high-stability Au(III)/Schiff-based catalyst for acetylene hydrochlorination reaction. Catalysis Communications, 2014, 54, 61-65.	3.3	47
24	Novel catalyst by immobilizing a phosphotungstic acid on polymer brushes and its application in oxidative desulfurization. RSC Advances, 2014, 4, 16769-16776.	3.6	46
25	Enhanced Photocatalytic Degradation of Organic Dyes via Defect-Rich TiO ₂ Prepared by Dielectric Barrier Discharge Plasma. Nanomaterials, 2019, 9, 720.	4.1	46
26	One-step synthesis of nickel-iron layered double hydroxides with tungstate acid anions via flash nano-precipitation for the oxygen evolution reaction. Sustainable Energy and Fuels, 2019, 3, 237-244.	4.9	45
27	Mechanism studies of LiFePO ₄ cathode material: lithiation/delithiation process, electrochemical modification and synthetic reaction. RSC Advances, 2014, 4, 54576-54602.	3.6	44
28	High efficient nickel/vermiculite catalyst prepared via microwave irradiation-assisted synthesis for carbon monoxide methanation. Fuel, 2016, 171, 263-269.	6.4	44
29	Enhanced selective catalytic reduction of NO with NH ₃ via porous micro-spherical aggregates of Mn-Ce-Fe-Ti mixed oxide nanoparticles. Green Energy and Environment, 2019, 4, 311-321.	8.7	40
30	Enhanced Oxygen Reduction Reaction by In Situ Anchoring Fe ₂ N Nanoparticles on Nitrogen-Doped Pomelo Peel-Derived Carbon. Nanomaterials, 2017, 7, 404.	4.1	39
31	Heteroatom-doped porous carbon from methyl orange dye wastewater for oxygen reduction. Green Energy and Environment, 2018, 3, 172-178.	8.7	39
32	Organocatalytic direct difluoromethylation of aldehydes and ketones with TMSCF ₂ H. RSC Advances, 2015, 5, 35421-35424.	3.6	38
33	Enhanced Low Temperature NO Reduction Performance via MnOx-Fe ₂ O ₃ /Vermiculite Monolithic Honeycomb Catalysts. Catalysts, 2018, 8, 100.	3.5	38
34	DBD Plasma-ZrO ₂ Catalytic Decomposition of CO ₂ at Low Temperatures. Catalysts, 2018, 8, 256.	3.5	36
35	Oxidative desulfurization of a model fuel using ozone oxidation generated by dielectric barrier discharge plasma combined with Co ₃ O ₄ /Al ₂ O ₃ catalysis. RSC Advances, 2015, 5, 96945-96952.	3.6	35
36	Zinc acetate supported on N-doped activated carbon as catalysts for acetylene acetoxylation. Chemical Engineering Journal, 2017, 309, 172-177.	12.7	34

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37	Heteroatom-Doped Porous Carbon Materials with Unprecedented High Volumetric Capacitive Performance. <i>Angewandte Chemie</i> , 2019, 131, 2419-2423.	2.0	34
38	2-Pyrrolicarbaldiminato-Cu complex catalyzed three-component 1,3-dipolar cycloaddition for 1,4-disubstituted 1,2,3-triazoles synthesis in water at room temperature. <i>RSC Advances</i> , 2015, 5, 6661-6665.	3.6	33
39	Selective C-N Bond-Forming Reaction of 2,6-Dibromopyridine with Amines. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6493-6500.	2.4	32
40	Diastereoselective Synthesis of <i>N</i> -Aryl Tetrahydroquinolines and <i>N</i> -Aryl Indolines by the Tandem Reaction of Arynes. <i>Journal of Organic Chemistry</i> , 2014, 79, 5820-5826.	3.2	32
41	A simple and efficient synthesis of 9-arylfluorenes via metal-free reductive coupling of arylboronic acids and <i>N</i> -tosylhydrazones in situ. <i>RSC Advances</i> , 2015, 5, 63726-63731.	3.6	32
42	Two-Dimensional Layered Double Hydroxides for Reactions of Methanation and Methane Reforming in C1 Chemistry. <i>Materials</i> , 2018, 11, 221.	2.9	32
43	Cascade Reaction of Arylboronic Acids and 2-Cyano-biaryl-2-aldehyde <i>N</i> -Tosylhydrazones: Access to Functionalized 9-Amino-10-arylphenanthrenes. <i>Journal of Organic Chemistry</i> , 2019, 84, 204-215.	3.2	32
44	Reducing N ₂ O Formation over CO-SCR Systems with CuCe Mixed Metal Oxides. <i>ChemCatChem</i> , 2021, 13, 2709-2718.	3.7	32
45	Highly selective catalytic reduction of NO _x by MnO _x -CeO ₂ -Al ₂ O ₃ catalysts prepared by self-propagating high-temperature synthesis. <i>Journal of Environmental Sciences</i> , 2019, 75, 124-135.	6.1	31
46	A visible-light photoredox-catalyzed four-component reaction for the construction of sulfone-containing quinoxalin-2(1 <i>H</i>)-ones. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5403-5409.	4.5	31
47	Efficient and recyclable copper-based MOF-catalyzed <i>N</i> -arylation of <i>N</i> -containing heterocycles with aryl iodides. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10861-10865.	2.8	30
48	A Review on the Promising Plasma-Assisted Preparation of Electrocatalysts. <i>Nanomaterials</i> , 2019, 9, 1436.	4.1	29
49	Transition-metal-free synthesis of multisubstituted <i>N</i> -arylindoles via reaction of arynes and β -amino ketones. <i>Tetrahedron</i> , 2014, 70, 2400-2405.	1.9	28
50	<i>N</i> -Heterocyclic Carbene-Catalyzed Diastereoselective Vinylogous Michael Addition Reaction of β -Substituted Deconjugated Butenolides. <i>Journal of Organic Chemistry</i> , 2015, 80, 12606-12613.	3.2	28
51	The Preparation of Cu-g-C ₃ N ₄ /AC Catalyst for Acetylene Hydrochlorination. <i>Catalysts</i> , 2016, 6, 193.	3.5	28
52	Aryne-induced dearomatized phosphonylation of electron-deficient azaarenes. <i>RSC Advances</i> , 2016, 6, 33606-33610.	3.6	28
53	Two-dimensional porous SiO ₂ nanomesh supported high dispersed Ni nanoparticles for CO methanation. <i>Chemical Engineering Journal</i> , 2017, 326, 774-780.	12.7	28
54	Synthesis of Benzo[<i>b</i>]fluoranthenes and Spiroacridines from Fluorene-Derived Alkenes and <i>N</i> -Arylimines via a Tandem Reaction with Benzyne. <i>Organic Letters</i> , 2019, 21, 3496-3500.	4.6	28

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55	A Critical Review of Recent Progress and Perspective in Practical Denitration Application. <i>Catalysts</i> , 2019, 9, 771.	3.5	27
56	NH ₄ I/1,10-phenanthroline catalyzed direct sulfenylation of N-heteroarenes with ethyl arylsulfonates. <i>Tetrahedron</i> , 2019, 75, 130664.	1.9	27
57	Synthesis of 9-phenol-substituted xanthenes by cascade O-insertion/1,6-conjugate addition of benzyne with ortho-hydroxyphenyl substituted para-quinone methides. <i>Chinese Chemical Letters</i> , 2019, 30, 386-388.	9.0	27
58	Highly Active and Robust Ruthenium Complexes Based on Hemilability of Hybrid Ligands for C-H Oxidation. <i>Journal of Organic Chemistry</i> , 2020, 85, 4324-4334.	3.2	27
59	Zn-Cu bimetallic catalysts supported on pure silica MCM-41 for acetylene hydration reaction. <i>New Journal of Chemistry</i> , 2018, 42, 6507-6514.	2.8	26
60	Heteropoly acid supported on sodium dodecyl benzene sulfonate modified layered double hydroxides as catalysts for oxidative desulfurization. <i>New Journal of Chemistry</i> , 2018, 42, 12830-12837.	2.8	26
61	Two-dimensional NiAl layered double oxides as non-noble metal catalysts for enhanced CO methanation performance at low temperature. <i>Fuel</i> , 2019, 255, 115770.	6.4	26
62	Synthesis, structure and biological activity of diorganotin derivatives with pyridyl functionalized bis(pyrazolyl)methanes. <i>Applied Organometallic Chemistry</i> , 2010, 24, 669-674.	3.5	25
63	Ultralow-weight loading Ni catalyst supported on two-dimensional vermiculite for carbon monoxide methanation. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 1873-1878.	3.5	25
64	Two-dimensional MnFeCo layered double oxide as catalyst for enhanced selective catalytic reduction of NO _x with NH ₃ at low temperature (25-150 °C). <i>Applied Catalysis A: General</i> , 2020, 592, 117432.	4.3	25
65	Enhanced selective catalytic reduction of NO with CO over Cu/C nanoparticles synthesized from a Cu-benzene-1,3,5-tricarboxylate metal organic framework by a continuous spray drying process. <i>Chemical Engineering Journal</i> , 2020, 388, 124270.	12.7	25
66	Novel AuCl ₃ -thiourea catalyst with a low Au content and an excellent catalytic performance for acetylene hydrochlorination. <i>Catalysis Science and Technology</i> , 2016, 6, 4254-4259.	4.1	24
67	Highly Stereo-Controlled Synthesis of Fatty Acid-Derived Cyclic Carbonates by Using Iron(II) Complex and Nucleophilic Halide. <i>Journal of Organic Chemistry</i> , 2019, 84, 11407-11416.	3.2	24
68	Enhanced CO ₂ decomposition via metallic foamed electrode packed in self-cooling DBD plasma device. <i>Plasma Science and Technology</i> , 2019, 21, 085504.	1.5	24
69	Mn-Ce-Fe-Al mixed oxide nanoparticles via a high shear mixer facilitated coprecipitation method for low temperature selective catalytic reduction of NO with NH ₃ . <i>Applied Catalysis A: General</i> , 2019, 586, 117237.	4.3	23
70	One-Pot Synthesis of Triarylmethanes via Metal-Free Reductive Coupling of Diaryl Ketones, Tosylhydrazide, and Arylboronic Acids. <i>Chinese Journal of Chemistry</i> , 2016, 34, 1033-1038.	4.9	22
71	Counteranion-Controlled Ag ₂ O-Mediated Benzimidazolium Ring Opening and Its Application in the Synthesis of Palladium Pincer-Type Complexes. <i>Organometallics</i> , 2017, 36, 4432-4442.	2.3	22
72	A novel [Bmim]PW/HMS catalyst with high catalytic performance for the oxidative desulfurization process. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 314-320.	2.7	21

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73	Enantioselective Organocatalyzed Oxa α -Michael α -Aldol Cascade Reactions: Construction of Chiral 4 <i>H</i> -Chromenes with a Trifluoromethylated Tetrasubstituted Carbon Stereocenter. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 967-973.	4.3	20
74	Catalytic Pyrolysis of Bituminous Coal under Pyrolysis Gas over a Ni/MgO Catalyst. <i>Chemical Engineering and Technology</i> , 2017, 40, 1605-1610.	1.5	20
75	Design, Synthesis, and Antifungal Activity of Novel Aryl-1,2,3-Triazole- β -Carboline Hybrids. <i>Molecules</i> , 2018, 23, 1344.	3.8	20
76	Multicomponent Reaction of Phosphines, Benzyne, and CO ₂ : Facile Synthesis of Stable Zwitterionic Phosphonium Inner Salts. <i>Journal of Organic Chemistry</i> , 2020, 85, 8872-8880.	3.2	20
77	AIE-active mechanochromic materials based N-phenylcarbazol-substituted tetraarylethene for OLED applications. <i>RSC Advances</i> , 2015, 5, 19176-19181.	3.6	19
78	Effect of Pd Doping on the Cu ⁰ /Cu ⁺ Ratio of Cu-Pd/SiO ₂ Catalysts for Ethylene Glycol Synthesis from Dimethyl Oxalate. <i>ChemistrySelect</i> , 2016, 1, 2857-2863.	1.5	19
79	Preparation, characterization and catalytic performance of HPW/aEVM catalyst on oxidative desulfurization. <i>RSC Advances</i> , 2017, 7, 4681-4687.	3.6	19
80	Direct decomposition of CO ₂ using self-cooling dielectric barrier discharge plasma. , 2017, 7, 721-730.		19
81	Two-Dimensional Layered Double Hydroxide Derived from Vermiculite Waste Water Supported Highly Dispersed Ni Nanoparticles for CO Methanation. <i>Catalysts</i> , 2017, 7, 79.	3.5	19
82	Acetoxylation of acetylene to vinyl acetate monomer over bimetallic Zn-Ni/AC catalysts. <i>Catalysis Communications</i> , 2018, 112, 5-9.	3.3	19
83	Divergent synthesis of functionalized thioethers via multicomponent reaction of benzyne. <i>Tetrahedron</i> , 2018, 74, 2876-2883.	1.9	19
84	Enhanced Oxygen Vacancies in a Two-Dimensional MnAl-Layered Double Oxide Prepared via Flash Nanoprecipitation Offers High Selective Catalytic Reduction of NO _x with NH ₃ . <i>Nanomaterials</i> , 2018, 8, 620.	4.1	19
85	Enhanced low-temperature catalytic carbon monoxide methanation performance <i>via</i> vermiculite-derived silicon carbide-supported nickel nanoparticles. <i>Sustainable Energy and Fuels</i> , 2019, 3, 965-974.	4.9	19
86	Selective Electrochemical Oxygenation of Alkylarenes to Carbonyls. <i>Organic Letters</i> , 2021, 23, 7445-7449.	4.6	19
87	Efficient Copper-Catalyzed Annulation of 2-Formylazoles with 2-Haloanilines for the Synthesis of Pyrrole- and Imidazole-Fused Quinoxalines. <i>Chinese Journal of Chemistry</i> , 2015, 33, 589-593.	4.9	18
88	Synthesis and structure-activity relationships of asymmetric dimeric β -carboline derivatives as potential antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 147, 253-265.	5.5	18
89	Rational Design of Cobalt Complexes Based on the <i>trans</i> Effect of Hybrid Ligands and Evaluation of their Catalytic Activity in the Cycloaddition of Carbon Dioxide with Epoxide. <i>Organometallics</i> , 2020, 39, 3546-3561.	2.3	18
90	Metal-free site-selective C α -N bond-forming reaction of polyhalogenated pyridines and pyrimidines. <i>RSC Advances</i> , 2015, 5, 82097-82111.	3.6	17

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91	N-heterocyclic carbene catalyzed synthesis of dimethyl carbonate via transesterification of ethylene carbonate with methanol. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 112-115.	5.2	17
92	Fabrication of carbon nanotube-loaded TiO ₂ @AgI and its excellent performance in visible-light photocatalysis. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 476-483.	2.7	17
93	Synthesis of Both Powdered and Preformed MnO _x /CeO ₂ /Al ₂ O ₃ Catalysts by Self-Propagating High-Temperature Synthesis for the Selective Catalytic Reduction of NO _x with NH ₃ . <i>ACS Omega</i> , 2018, 3, 5692-5703.	3.5	17
94	Bio-based polyesters synthesized by ring-opening copolymerizations of eugenyl glycidyl ether and cyclic anhydrides using a binuclear [OSSO]CrCl complex. <i>Green Chemistry</i> , 2020, 22, 5742-5750.	9.0	17
95	In Situ Ring-Closing Strategy for Direct Synthesis of N-Heterocyclic Carbene Nickel Complexes and Their Application in Coupling of Allylic Alcohols with Aryl Boronic Acids. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2930-2940.	4.3	17
96	Photocatalytic Benzylic Oxidation Promoted by Eosin Y in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1822-1828.	6.7	17
97	Mussel-inspired chemistry for one-step synthesis of N-doped carbon-gold composites with morphology tailoring and their catalytic properties. <i>RSC Advances</i> , 2014, 4, 1853-1856.	3.6	16
98	Highly selective copper-catalyzed oxidation of benzyl alcohols to aromatic aldehydes in water at room temperature. <i>Applied Organometallic Chemistry</i> , 2016, 30, 577-580.	3.5	16
99	Nitrogen-Doped Carbon Nanoparticles for Oxygen Reduction Prepared via a Crushing Method Involving a High Shear Mixer. <i>Materials</i> , 2017, 10, 1030.	2.9	16
100	High-efficiency removal of NO _x using dielectric barrier discharge nonthermal plasma with water as an outer electrode. <i>Plasma Science and Technology</i> , 2018, 20, 014020.	1.5	16
101	Nitrogen doped nanoflower porous carbon as a nonmetal catalyst for acetylene hydrochlorination. <i>New Journal of Chemistry</i> , 2018, 42, 20131-20136.	2.8	16
102	A Simple and Efficient Copper(II) Complex as a Catalyst for N-Arylation of Imidazoles. <i>Chinese Journal of Chemistry</i> , 2013, 31, 267-270.	4.9	15
103	N-heterocyclic carbene-catalysed pentafluorophenylation of aldehydes. <i>RSC Advances</i> , 2015, 5, 35513-35517.	3.6	15
104	Cu(II)-Catalyzed Ligand-Free Oxidation of Diarylmethanes and Second Alcohols in Water. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1391-1395.	4.9	15
105	Fe ₃ O ₄ /Fe ₃ C@Nitrogen-Doped Carbon for Enhancing Oxygen Reduction Reaction. <i>ChemNanoMat</i> , 2019, 5, 187-193.	2.8	15
106	Clarification of Active Sites at Interfaces between Silica Support and Nickel Active Components for Carbon Monoxide Methanation. <i>Catalysts</i> , 2018, 8, 293.	3.5	15
107	Effect of nanocomposite as pour point depressant on the cold flow properties and crystallization behavior of diesel fuel. <i>Chinese Chemical Letters</i> , 2022, 33, 2677-2680.	9.0	15
108	Metallomicelles of palladium(II) complexes as efficient catalysts for the Suzuki-Miyaura reaction in neat water. <i>Applied Organometallic Chemistry</i> , 2013, 27, 494-498.	3.5	14

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109	An Efficient Copper-Catalyzed One-Pot Synthesis of 1-Aryl-1,2,3-triazoles from Arylboronic Acids in Water under Mild Conditions. <i>Chinese Journal of Chemistry</i> , 2015, 33, 1317-1320.	4.9	14
110	Copper(II)-diketone-catalysed N-arylation of carbazoles. <i>RSC Advances</i> , 2015, 5, 51512-51523.	3.6	14
111	Synthesis of mesoporous TiO ₂ @C@MnO ₂ multi-shelled hollow nanospheres with high rate capability and stability for lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 65243-65251.	3.6	14
112	Site-Selective N-Arylation of Carbazoles with Halogenated Fluorobenzenes. <i>Synthesis</i> , 2016, 48, 737-750.	2.3	14
113	Highly Selective β -Hydride Elimination in the Pd-Catalyzed Cross-Coupling of N-Tosylhydrazones with Benzyl Bromides. <i>ChemistrySelect</i> , 2018, 3, 900-903.	1.5	14
114	Effects of Coordination Ability of Nitrogen-Containing Carboxylic Acid Ligands on Nieuwland Catalyst. <i>Catalysts</i> , 2018, 8, 337.	3.5	14
115	Influence of Tetradecyl Methacrylate- <i>N</i> -methacrylamide Copolymers as Pour Point Depressants on the Cold Flow Property of Diesel Fuel. <i>Energy & Fuels</i> , 2020, 34, 11976-11986.	5.1	14
116	Carboxylation kapok fiber as a low-cost, environmentally friendly adsorbent with remarkably enhanced adsorption capacity for cationic dyes. <i>Research on Chemical Intermediates</i> , 2016, 42, 5069-5085.	2.7	13
117	Highly Active and Stable ZrO ₂ -SiO ₂ -Supported Cu-Catalysts for the Hydrogenation of Dimethyl Oxalate to Methyl Glycolate. <i>ChemistrySelect</i> , 2017, 2, 4823-4829.	1.5	13
118	Gas-phase acetylene dimerization over copper-based catalysts. <i>New Journal of Chemistry</i> , 2019, 43, 13608-13615.	2.8	13
119	DBD Plasma Combined with Different Foam Metal Electrodes for CO ₂ Decomposition: Experimental Results and DFT Validations. <i>Nanomaterials</i> , 2019, 9, 1595.	4.1	13
120	Overwhelming electrochemical oxygen reduction reaction of zinc-nitrogen-carbon from biomass resource chitosan via a facile carbon bath method. <i>Chinese Chemical Letters</i> , 2020, 31, 1207-1212.	9.0	13
121	Palladium-catalyzed direct arylation of polyfluoroarene and facile synthesis of liquid crystal compounds. <i>Applied Organometallic Chemistry</i> , 2014, 28, 180-185.	3.5	12
122	A ligand-free strategy for the copper-catalysed direct alkynylation of trifluoromethyl ketones. <i>RSC Advances</i> , 2015, 5, 10089-10093.	3.6	12
123	N-Heterocyclic Carbene-Catalyzed Double Michael Addition: Stereoselective Synthesis of Spirofluorenes and Multisubstituted Indanes. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1704-1710.	4.3	12
124	Zinc and Nitrogen-Doped Carbon In-Situ Wrapped ZnO Nanoparticles as a High-Activity Catalyst for Acetylene Acetoxylation. <i>Catalysis Letters</i> , 2020, 150, 1155-1162.	2.6	12
125	Synthesis of a well-defined polyallene-based amphiphilic graft copolymer via sequential living coordination polymerization and SET-LRP. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1880-1886.	2.3	11
126	A Novel High-Activity Zn-Co Catalyst for Acetylene Acetoxylation. <i>Catalysts</i> , 2018, 8, 239.	3.5	11

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127	Direct Assembly of Polysubstituted Naphthalenes via a Tandem Reaction of Benzyne and β -Cyano- β -methyleneones. <i>Journal of Organic Chemistry</i> , 2020, 85, 14210-14218.	3.2	11
128	Organocatalytic Strategy for the Fixation of CO_2 via Carboxylation of Terminal Alkynes. <i>Journal of Organic Chemistry</i> , 2021, 86, 1850-1860.	3.2	11
129	Construction of graphitic-N-rich TiO_2 -N-C interfaces via dye dissociation and reassembly for efficient oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2022, 431, 133246.	12.7	11
130	MOFs-Derived Zn-Based Catalysts in Acetylene Acetoxylation. <i>Nanomaterials</i> , 2022, 12, 98.	4.1	11
131	Glucose-assisted hydrothermal synthesis of few-layer reduced graphene oxide wrapped mesoporous TiO_2 microspheres with enhanced electrochemical performance for lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 20741-20749.	3.6	10
132	Highly Active Amino-Modified MCM-41-Supported Zinc Catalyst for Acetylene Hydration to Acetaldehyde. <i>ChemistrySelect</i> , 2018, 3, 9603-9609.	1.5	10
133	Two-dimensional MnAl mixed-metal oxide nanosheets prepared via a high-shear-mixer-facilitated coprecipitation method for enhanced selective catalytic reduction of NO with NH_3 . <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 145, 107664.	3.6	10
134	On-Site Surface Coordination Complexation via Mechanochemistry for Versatile Metal-Phenolic Networks Films. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801789.	3.7	10
135	Cu(II)/Cu(I)/AC Catalysts for Gas-Solid Acetylene Dimerization. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 110-117.	3.7	10
136	Constructing novel double-bond-containing well-defined amphiphilic graft copolymers via successive Ni-catalyzed living coordination polymerization and SET-LRP. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1942-1949.	2.3	9
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