

Bin Dai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2038145/publications.pdf>

Version: 2024-02-01

208
papers

5,123
citations

109321

35
h-index

138484

58
g-index

211
all docs

211
docs citations

211
times ranked

5733
citing authors

#	ARTICLE	IF	CITATIONS
1	Cs ₂ CO ₃ -Promoted [3+2] Cyclization of Chalcone and N-Tosylhydrazone. Polycyclic Aromatic Compounds, 2023, 43, 3827-3839.	2.6	0
2	Effect of nanocomposite as pour point depressant on the cold flow properties and crystallization behavior of diesel fuel. Chinese Chemical Letters, 2022, 33, 2677-2680.	9.0	15
3	Construction of graphitic-N-rich TiO ₂ -N-C interfaces via dye dissociation and reassembly for efficient oxygen evolution reaction. Chemical Engineering Journal, 2022, 431, 133246.	12.7	11
4	A Highly Active In Situ Zn(CH ₃ COO) ₂ -NC Catalyst for the Acetoxylation of Acetylene. Industrial & Engineering Chemistry Research, 2022, 61, 1313-1321.	3.7	5
5	Photocatalytic Benzylic Oxidation Promoted by Eosin Y in Water. ACS Sustainable Chemistry and Engineering, 2022, 10, 1822-1828.	6.7	17
6	Influence of Pd-Doping on The Efficiency of In ₂ O ₃ /ZrO ₂ Catalysts Used for Hydrogenating Dimethyl Oxalate to Ethanol. ChemistrySelect, 2022, 7, .	1.5	3
7	Photo-Assisted CO/CO ₂ Methanation over Ni/TiO ₂ Catalyst: Experiment and Density Functional Theory Calculation. ChemCatChem, 2022, 14, .	3.7	3
8	MOFs-Derived Zn-Based Catalysts in Acetylene Acetoxylation. Nanomaterials, 2022, 12, 98.	4.1	11
9	A soft tubular model reactor based on the bionics of a small intestine: anti particulate fouling by peristalsis. Brazilian Journal of Chemical Engineering, 2022, 39, 123-136.	1.3	1
10	One-pot fabrication of a polydopamine-based nanoplatfom for GSH triggered trimodal ROS-amplification for cancer therapy. Biomaterials Science, 2022, 10, 4208-4217.	5.4	9
11	Confined Jet Impingement Continuous Microchannel Reactor Synthesis of Ultrahigh-Quality Mesoporous Silica Nanospheres for CO ₂ Capture. Industrial & Engineering Chemistry Research, 2022, 61, 9300-9310.	3.7	2
12	High nitrogen carbon material with rich defects as a highly efficient metal-free catalyst for excellent catalytic performance of acetylene hydrochlorination. Chinese Journal of Chemical Engineering, 2021, 29, 196-203.	3.5	9
13	Hemilabile N-heterocyclic carbene and nitrogen ligands on Fe (II) catalyst for utilization of CO ₂ into cyclic carbonate. Applied Organometallic Chemistry, 2021, 35, e6099.	3.5	5
14	NaKB ₆ O ₉ F ₂ : a new complex alkali metal fluorooxoborate with puckered layers. New Journal of Chemistry, 2021, 45, 2974-2980.	2.8	7
15	A visible-light photoredox-catalyzed four-component reaction for the construction of sulfone-containing quinoxalin-2(1H)-ones. Organic Chemistry Frontiers, 2021, 8, 5403-5409.	4.5	31
16	Nitrogen-Modified Activated Carbon Supported Cu(II)Cu(I)/NAC Catalysts for Gas-Solid Acetylene Dimerization. Catalysis Letters, 2021, 151, 2990-2995.	2.6	7
17	N-Heterocyclic carbene-nitrogen molybdenum catalysts for utilization of CO ₂ . Polyhedron, 2021, 196, 114990.	2.2	6
18	Pd-Catalyzed N-Arylations of 3-Aryl-1-tosyl-5-pyrazolones with Arylbromides and the Migration of Ts Group. ChemCatChem, 2021, 13, 2641-2652.	3.7	6

#	ARTICLE	IF	CITATIONS
19	Reducing N ₂ O Formation over CO ₂ SCR Systems with CuCe Mixed Metal Oxides. ChemCatChem, 2021, 13, 2709-2718.	3.7	32
20	Effect of the Transforming Ag into an Active Species (Silver Chloride) for the Acetylene Hydrochlorination. ChemCatChem, 2021, 13, 4411-4418.	3.7	5
21	Selective Electrochemical Oxygenation of Alkylarenes to Carbonyls. Organic Letters, 2021, 23, 7445-7449.	4.6	19
22	Robust Artificial Solid-Electrolyte Interfaces with Biomimetic Ionic Channels for Dendrite-Free Li Metal Anodes. Advanced Energy Materials, 2021, 11, 2003496.	19.5	64
23	Organocatalytic Strategy for the Fixation of CO ₂ via Carboxylation of Terminal Alkynes. Journal of Organic Chemistry, 2021, 86, 1850-1860.	3.2	11
24	Performance Study of Zn-Co-Ni/AC Catalyst in Acetylene Acetylation. Catalysts, 2021, 11, 1271.	3.5	1
25	Cr-Catalyzed Direct <i>ortho</i> -Aminomethylation of Phenols. Journal of Organic Chemistry, 2021, 86, 17567-17580.	3.2	3
26	Overwhelming electrochemical oxygen reduction reaction of zinc-nitrogen-carbon from biomass resource chitosan via a facile carbon bath method. Chinese Chemical Letters, 2020, 31, 1207-1212.	9.0	13
27	Zinc and Nitrogen-Doped Carbon In-Situ Wrapped ZnO Nanoparticles as a High-Activity Catalyst for Acetylene Acetoxylation. Catalysis Letters, 2020, 150, 1155-1162.	2.6	12
28	A novel risedronic acid-modified Nieuwland catalyst for acetylene dimerization. Catalysis Communications, 2020, 136, 105922.	3.3	7
29	The effect of amine on the tribological properties and hydrolytic stability of borate ester additives. Research on Chemical Intermediates, 2020, 46, 1283-1295.	2.7	6
30	Hydrazinylbenzenesulfonic Acid-Modified Nieuwland Catalyst for Acetylene Dimerization Reaction. Catalysis Letters, 2020, 150, 1766-1773.	2.6	5
31	Cu(II)/Cu(I)/AC Catalysts for Gas-Phase Solid Acetylene Dimerization. Industrial & Engineering Chemistry Research, 2020, 59, 110-117.	3.7	10
32	Synthesis of hexahydrophenanthridines via the tandem reaction of benzyne. Tetrahedron, 2020, 76, 131372.	1.9	2
33	Combustion Products of Calcium Carbide Reused by Cu-Based Catalysts for Acetylene Carbonylation. ACS Omega, 2020, 5, 27692-27701.	3.5	3
34	Bio-based healable non-isocyanate polyurethanes driven by the cooperation of disulfide and hydrogen bonds. Polymer Chemistry, 2020, 11, 7524-7532.	3.9	52
35	Palladium-Catalyzed Olefination of <i>N</i> -Tosylhydrazones as \hat{I}^2 Diazo Phosphonate Precursors with Arylhalides. European Journal of Organic Chemistry, 2020, 2020, 5857-5861.	2.4	8
36	Bio-based polyesters synthesized by ring-opening copolymerizations of eugenyl glycidyl ether and cyclic anhydrides using a binuclear [OSSO]CrCl complex. Green Chemistry, 2020, 22, 5742-5750.	9.0	17

#	ARTICLE	IF	CITATIONS
37	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
38	In Situ Ring-Closing Strategy for Direct Synthesis of π -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
39	Influence of Tetradecyl Methacrylate- β -methylacrylamide Copolymers as Pour Point Depressants on the Cold Flow Property of Diesel Fuel. <i>Energy & Fuels</i> , 2020, 34, 11976-11986.	5.1	14
40	A facile approach to synthesize CoO-Co ₃ O ₄ /TiO ₂ NAs for reinforced photoelectrocatalytic water oxidation. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 941-950.	2.5	4
41	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
42	Highly Active and Robust Ruthenium Complexes Based on Hemilability of Hybrid Ligands for α -H Oxidation. <i>Journal of Organic Chemistry</i> , 2020, 85, 4324-4334.	3.2	27
43	Macroporous Carbon Material with High Nitrogen Content for Excellent Catalytic Performance of Acetylene Hydrochlorination. <i>ChemistrySelect</i> , 2020, 5, 878-885.	1.5	5
44	Synthesis of Benzodiazepines Through Ring Opening/Ring Closure of Benzimidazole Salts. <i>Chemistry - A European Journal</i> , 2020, 26, 3252-3258.	3.3	8
45	Two-dimensional MnFeCo layered double oxide as catalyst for enhanced selective catalytic reduction of NO _x with NH ₃ at low temperature (25 \leq 150 \leq $^{\circ}$ C). <i>Applied Catalysis A: General</i> , 2020, 592, 117432.	4.3	25
46	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
47	Application of Fumed Silica as a Support during Oxidative Desulfurization. <i>ACS Omega</i> , 2020, 5, 378-385.	3.5	5
48	Molecular hybrid design, synthesis, in vitro and in vivo anticancer evaluation, and mechanism of action of N-acylhydrazone linked, heterobivalent β -carboline. <i>Bioorganic Chemistry</i> , 2020, 96, 103612.	4.1	8
49	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
50	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
51	Gas-phase acetylene dimerization over copper-based catalysts. <i>New Journal of Chemistry</i> , 2019, 43, 13608-13615.	2.8	13
52	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
53	Synthesis of 9-biarylfluorenes by one-pot, three-step reactions of <i>N</i> -tosylhydrazones, <i>p</i> -bromobenzeneboronic acid, and arylboronic acids. <i>Journal of Chemical Research</i> , 2019, 43, 268-273.	1.3	2
54	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

#	ARTICLE	IF	CITATIONS
55	A Review of Recent Advances of Dielectric Barrier Discharge Plasma in Catalysis. <i>Nanomaterials</i> , 2019, 9, 1428.	4.1	73
56	Synthesis of 4-Aryl-1,2,3-Thiadiazoles via NH ₄ -Catalyzed Cyclization of N-Tosylhydrazones with Sulfur. <i>ChemistrySelect</i> , 2019, 4, 10587-10590.	1.5	8
57	Extraction-Induced Fabrication of Yolk-Shell-Structured Nanoparticles with Deformable Micellar Cores and Mesoporous Silica Shells for Multidrug Delivery. <i>ACS Applied Bio Materials</i> , 2019, 2, 5707-5716.	4.6	9
58	A Review on the Promising Plasma-Assisted Preparation of Electrocatalysts. <i>Nanomaterials</i> , 2019, 9, 1436.	4.1	29
59	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
60	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
61	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
62	A Critical Review of Recent Progress and Perspective in Practical Denitration Application. <i>Catalysts</i> , 2019, 9, 771.	3.5	27
63	NH ₄ /1,10-phenanthroline catalyzed direct sulfenylation of N-heteroarenes with ethyl arylsulfonates. <i>Tetrahedron</i> , 2019, 75, 130664.	1.9	27
64	Facial synthesis of sulfinic esters via copper-catalyzed reaction of sulfonyl hydrazides with alcohols in air. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 1102-1108.	5.2	9
65	Synthesis and biological evaluation of novel N ⁹ -heterobivalent 1 ² -carbolines as angiogenesis inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 375-387.	5.2	9
66	One-step synthesis of nickel-iron layered double hydroxides with tungstate acid anions via flash nano-precipitation for the oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2019, 3, 237-244.	4.9	45
67	Non-Mercury Catalytic Acetylene Hydration over Bimetallic Cu-Zn Catalysts for Acetaldehyde Production in Gas-Liquid System. <i>ChemistrySelect</i> , 2019, 4, 7096-7101.	1.5	6
68	Synthesis of Benzo[<i>b</i>]fluoranthenes and Spiroacridines from Fluorene-Derived Alkenes and <i>N</i> -Arylimines via a Tandem Reaction with Benzynes. <i>Organic Letters</i> , 2019, 21, 3496-3500.	4.6	28
69	Modulation of perovskite-related frameworks induced by alkaline earth metals in phosphate fluorides A ₂ MPO ₄ F (A = K, Rb; M = Ba, Ca). <i>New Journal of Chemistry</i> , 2019, 43, 7839-7845.	2.8	6
70	Enhanced selective catalytic reduction of NO with NH ₃ via porous micro-spherical aggregates of Mn-Ce-Fe-Ti mixed oxide nanoparticles. <i>Green Energy and Environment</i> , 2019, 4, 311-321.	8.7	40
71	Enhanced Photocatalytic Degradation of Organic Dyes via Defect-Rich TiO ₂ Prepared by Dielectric Barrier Discharge Plasma. <i>Nanomaterials</i> , 2019, 9, 720.	4.1	46
72	Sequentially Formations of Csp ³ -Csp ² and Csp ² -Csp ² Bonds by a One-pot Reaction Involving N-Tosylhydrazone and <i>p</i> -Bromobenzenboronic Acid. <i>ChemistrySelect</i> , 2019, 4, 4496-4498.	1.5	6

#	ARTICLE	IF	CITATIONS
73	Association equilibrium model. I. Influence of pH and salt concentration on ion-exchanger. <i>Journal of Chromatography A</i> , 2019, 1595, 49-57.	3.7	1
74	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
75	On-Site Surface Coordination Complexation via Mechanochemistry for Versatile Metal-Phenolic Networks Films. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801789.	3.7	10
76	Enhanced low-temperature catalytic carbon monoxide methanation performance via vermiculite-derived silicon carbide-supported nickel nanoparticles. <i>Sustainable Energy and Fuels</i> , 2019, 3, 965-974.	4.9	19
77	Effect of Phosphorus Ligand on Cu-Based Catalysts for Acetylene Hydrochlorination. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6170-6177.	6.7	61
78	Nitrogen self-doped porous carbon nanosheets derived from azo dye flocs for efficient supercapacitor electrodes. <i>Carbon Letters</i> , 2019, 29, 455-460.	5.9	3
79	Heteroatom-Doped Porous Carbon Materials with Unprecedented High Volumetric Capacitive Performance. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2397-2401.	13.8	178
80	Heteroatom-Doped Porous Carbon Materials with Unprecedented High Volumetric Capacitive Performance. <i>Angewandte Chemie</i> , 2019, 131, 2419-2423.	2.0	34
81	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
82	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
83	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
84	2,6-Bis(2-methylhydrazine-1-carbonyl)pyridine 1-oxide as an Efficient Ligand for Copper-Catalyzed C-N Coupling Reaction in Water. <i>Catalysis Letters</i> , 2018, 148, 1142-1149.	2.6	9
85	Acetoxylation of acetylene to vinyl acetate monomer over bimetallic Zn-Ni/AC catalysts. <i>Catalysis Communications</i> , 2018, 112, 5-9.	3.3	19
86	Divergent synthesis of functionalized thioethers via multicomponent reaction of benzyne. <i>Tetrahedron</i> , 2018, 74, 2876-2883.	1.9	19
87	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
88	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
89	Synthesis and structure-activity relationships of asymmetric dimeric \hat{I}^2 -carboline derivatives as potential antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 147, 253-265.	5.5	18
90	Highly Selective \hat{I}^2 -Hydride Elimination in the Pd-Catalyzed Cross-Coupling of <i>N</i> -Tosylhydrazones with Benzyl Bromides. <i>ChemistrySelect</i> , 2018, 3, 900-903.	1.5	14

#	ARTICLE	IF	CITATIONS
91	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
92	Synthesis of λ^3 -arylalkylferrocenes through cesium fluoride-promoted coupling of arylboronic acids with <i>N</i> -tosylhydrazones. <i>Synthetic Communications</i> , 2018, 48, 921-928.	2.1	5
93	Heteroatom-doped porous carbon from methyl orange dye wastewater for oxygen reduction. <i>Green Energy and Environment</i> , 2018, 3, 172-178.	8.7	39
94	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
95	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
96	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
97	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
98	Three-Dimensional Graphene-based N-doped Carbon Composites as High-Performance Anode Materials for Sodium-ion Batteries. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3859-3864.	3.3	7
99	Effects of Coordination Ability of Nitrogen-Containing Carboxylic Acid Ligands on Nieuwland Catalyst. <i>Catalysts</i> , 2018, 8, 337.	3.5	14
100	Highly Active Amino-Modified MCM-41-Supported Zinc Catalyst for Acetylene Hydration to Acetaldehyde. <i>ChemistrySelect</i> , 2018, 3, 9603-9609.	1.5	10
101	Cooperative Multifunctional Organocatalysts for Ambient Conversion of Carbon Dioxide into Cyclic Carbonates. <i>ACS Catalysis</i> , 2018, 8, 9945-9957.	11.2	188
102	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
103	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
104	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
105	Enhanced Low Temperature NO Reduction Performance via MnO _x -Fe ₂ O ₃ /Vermiculite Monolithic Honeycomb Catalysts. <i>Catalysts</i> , 2018, 8, 100.	3.5	38
106	A Novel High-Activity Zn-Co Catalyst for Acetylene Acetoxylation. <i>Catalysts</i> , 2018, 8, 239.	3.5	11
107	DBD Plasma-ZrO ₂ Catalytic Decomposition of CO ₂ at Low Temperatures. <i>Catalysts</i> , 2018, 8, 256.	3.5	36
108	Two-Dimensional Layered Double Hydroxides for Reactions of Methanation and Methane Reforming in C1 Chemistry. <i>Materials</i> , 2018, 11, 221.	2.9	32

#	ARTICLE	IF	CITATIONS
109	Pd-Catalyzed, Highly Selective C(sp ²)-Br Bond Coupling Reactions of o-(or m-, or p-) Chloromethyl Bromobenzene with Arylboronic Acids. <i>Molecules</i> , 2018, 23, 433.	3.8	3
110	Design, Synthesis, and Antifungal Activity of Novel Aryl-1,2,3-Triazole- β -Carboline Hybrids. <i>Molecules</i> , 2018, 23, 1344.	3.8	20
111	Three-Dimensional Honeycomb-Like Porous Carbon with Both Interconnected Hierarchical Porosity and Nitrogen Self-Doping from Cotton Seed Husk for Supercapacitor Electrode. <i>Nanomaterials</i> , 2018, 8, 412.	4.1	52
112	Pd-Catalyzed Chemoselective Suzuki-Miyaura Reactions of 1-Bromo-4-(halomethyl)naphthalene. <i>ChemistrySelect</i> , 2018, 3, 5002-5004.	1.5	4
113	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
114	Synthesis of 1,2-Diarylethylenes by Pd-Catalyzed One-Pot Reaction of Benzyl Halides, Tosylhydrazide, and Aryl Aldehydes. <i>Letters in Organic Chemistry</i> , 2018, 15, 709-715.	0.5	5
115	Preparation, characterization and catalytic performance of HPW/aEVM catalyst on oxidative desulfurization. <i>RSC Advances</i> , 2017, 7, 4681-4687.	3.6	19
116	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
117	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
118	Heteropolyacid Supported on Nitrogen-doped Onion-Like Carbon as Catalyst for Oxidative Desulfurization. <i>ChemistrySelect</i> , 2017, 2, 4010-4015.	1.5	8
119	Direct decomposition of CO ₂ using self-cooling dielectric barrier discharge plasma. , 2017, 7, 721-730.		19
120	Effective Catalytic Performance of Plasma-Enhanced W ₂ N/AC as Catalysts for Acetylene Hydrochlorination. <i>Topics in Catalysis</i> , 2017, 60, 1016-1023.	2.8	6
121	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
122	Substrate-Controlled Product Divergence: Silver-Catalyzed Reaction of Trifluoromethyl Ketones with Terminal Alkynes. <i>ACS Omega</i> , 2017, 2, 1104-1115.	3.5	8
123	Copper-Catalyzed C-N Bond Exchange of N-Heterocyclic Substituents around Pyridine and Pyrimidine Cores. <i>Synthesis</i> , 2017, 49, 5120-5130.	2.3	7
124	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
125	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
126	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

#	ARTICLE	IF	CITATIONS
127	Draft Genome Sequence of the Plant Growth-Promoting Bacterium <i>Pseudomonas</i> sp. SCPG-7, Isolated from Saline Soil. <i>Genome Announcements</i> , 2017, 5, .	0.8	0
128	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
129	Zinc acetate supported on N-doped activated carbon as catalysts for acetylene acetoxylation. <i>Chemical Engineering Journal</i> , 2017, 309, 172-177.	12.7	34
130	Inside Back Cover: Cu(II)-Catalyzed Ligand-Free Oxidation of Diarylmethanes and Second Alcohols in Water (<i>Chin. J. Chem.</i> 9/2017). <i>Chinese Journal of Chemistry</i> , 2017, 35, 1477-1477.	4.9	0
131	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
132	Multi-Component One-Pot Reaction of Aromatic Carbonyl Compounds, Tosylhydrazide, and Arylboronic Acids. <i>Molecules</i> , 2017, 22, 2168.	3.8	9
133	Enhanced Oxygen Reduction Reaction by In Situ Anchoring Fe ₂ N Nanoparticles on Nitrogen-Doped Pomelo Peel-Derived Carbon. <i>Nanomaterials</i> , 2017, 7, 404.	4.1	39
134	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
135	Activated Carbon Supported Mo-Ti-N Binary Transition Metal Nitride as Catalyst for Acetylene Hydrochlorination. <i>Catalysts</i> , 2017, 7, 200.	3.5	8
136	Metal-free Reductive Coupling of Biphenyl Tosylhydrazones with Phenols or Benzyl Alcohols. <i>Letters in Organic Chemistry</i> , 2017, 14, .	0.5	1
137	The Preparation of Cu-g-C ₃ N ₄ /AC Catalyst for Acetylene Hydrochlorination. <i>Catalysts</i> , 2016, 6, 193.	3.5	28
138	Nitrogen-Doped Banana Peel-Derived Porous Carbon Foam as Binder-Free Electrode for Supercapacitors. <i>Nanomaterials</i> , 2016, 6, 18.	4.1	65
139	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
140	Aryne-induced dearomatized phosphonylation of electron-deficient azaarenes. <i>RSC Advances</i> , 2016, 6, 33606-33610.	3.6	28
141	One-pot two-step synthesis of N-arylcarbazole-based skeleton. <i>RSC Advances</i> , 2016, 6, 43250-43260.	3.6	7
142	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
143	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
144	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

#	ARTICLE	IF	CITATIONS
145	Metal-free oxidation of secondary benzylic alcohols using aqueous TBHP. <i>Synthetic Communications</i> , 2016, 46, 1747-1758.	2.1	9
146	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
147	Synthesis of Unsymmetrical 1,3-Diynes via Pd/Cu-Catalyzed Cross-Coupling of Terminal Alkynes at Room Temperature. <i>Chinese Journal of Chemistry</i> , 2016, 34, 895-900.	4.9	5
148	In situ SERS monitored photoactive yellow protein (PYP) chromophore model elimination, nano-catalyzed phenyl redox and I ₂ addition reactions. <i>RSC Advances</i> , 2016, 6, 111144-111147.	3.6	0
149	Efficient and recyclable copper-based MOF-catalyzed N-arylation of N-containing heterocycles with aryl iodides. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10861-10865.	2.8	30
150	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
151	A novel Ni-Schiff base complex derived electrocatalyst for oxygen evolution reaction. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2737-2747.	2.5	8
152	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
153	Site-Selective N-Arylation of Carbazoles with Halogenated Fluorobenzenes. <i>Synthesis</i> , 2016, 48, 737-750.	2.3	14
154	Glucose-assisted hydrothermal synthesis of few-layer reduced graphene oxide wrapped mesoporous TiO ₂ submicrospheres with enhanced electrochemical performance for lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 20741-20749.	3.6	10
155	High efficient nickel/vermiculite catalyst prepared via microwave irradiation-assisted synthesis for carbon monoxide methanation. <i>Fuel</i> , 2016, 171, 263-269.	6.4	44
156	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
157	3-(Diphenylphosphino)propanoic acid: an efficient ligand for the Pd/Cu-catalyzed homo-coupling of terminal alkynes in the presence of oxygen at room temperature. <i>Applied Organometallic Chemistry</i> , 2015, 29, 736-738.	3.5	8
158	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
159	N-Heterocyclic Carbene-Catalysed Direct Synthesis of Cyano Esters via Cyanation-Esterification Reaction of Keto Esters. <i>Chinese Journal of Chemistry</i> , 2015, 33, 1211-1215.	4.9	4
160	One-pot synthesis of polyfluoroterphenyls via palladium-catalyzed Suzuki-Miyaura coupling of chlorobromobenzene and C-H bond functionalization of perfluoroarenes. <i>Applied Organometallic Chemistry</i> , 2015, 29, 50-56.	3.5	4
161	An Efficient Copper-Catalyzed One-Pot Synthesis of 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
162	Synthesis of Terphenyl Derivatives by Pd-Catalyzed Suzuki-Miyaura Reaction of Dibromobenzene Using 2N ₂ O-Salen as a Ligand in Aqueous Solution. <i>Chinese Journal of Chemistry</i> , 2015, 33, 1189-1193.	4.9	7

#	ARTICLE	IF	CITATIONS
163	Copper(II)-diketone-catalysed N-arylation of carbazoles. <i>RSC Advances</i> , 2015, 5, 51512-51523.	3.6	14
164	Oxidative desulfurization of a model fuel using ozone oxidation generated by dielectric barrier discharge plasma combined with $\text{Co}_3\text{O}_4/\beta\text{-Al}_2\text{O}_3$ catalysis. <i>RSC Advances</i> , 2015, 5, 96945-96952.	3.6	35
165	<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
166	<i>N</i> -Heterocyclic Carbene-Catalyzed Vinylogous Mukaiyama Aldol Reaction of α -Keto Esters and α -Trifluoromethyl Ketones. <i>Synthesis</i> , 2015, 48, 79-84.	2.3	2
167	AIE-active mechanochromic materials based <i>N</i> -phenylcarbazol-substituted tetraarylethene for OLED applications. <i>RSC Advances</i> , 2015, 5, 19176-19181.	3.6	19
168	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
169	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
170	Non-mercury catalytic acetylene hydrochlorination over bimetallic $\text{Au}^{\text{II}}\text{Ba}^{\text{II}}/\text{AC}$ catalysts. <i>Catalysis Science and Technology</i> , 2015, 5, 1870-1877.	4.1	65
171	A ligand-free strategy for the copper-catalysed direct alkynylation of trifluoromethyl ketones. <i>RSC Advances</i> , 2015, 5, 10089-10093.	3.6	12
172	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
173	A simple and efficient $\text{N}_2\text{O}^{\text{II}}\text{Cu}^{\text{II}}$ complex as a catalyst for <i>N</i> -arylation of imidazoles in water. <i>Applied Organometallic Chemistry</i> , 2015, 29, 468-470.	3.5	9
174	Enantioselective Organocatalyzed Oxa-Michael-Aldol Cascade Reactions: Construction of Chiral α -Chromenes with a Trifluoromethylated Tetrasubstituted Carbon Stereocenter. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 967-973.	4.3	20
175	Up-Scaled Microspherical Aggregates of $\text{LiFe}_{0.4}\text{V}_{0.4}\text{PO}_4/\text{C}$ Nanocomposites as Cathode Materials for High-Rate Li-Ion Batteries. <i>Energy Technology</i> , 2015, 3, 496-502.	3.8	5
176	<i>N</i> -heterocyclic carbene-catalysed pentafluorophenylation of aldehydes. <i>RSC Advances</i> , 2015, 5, 35513-35517.	3.6	15
177	Metal-free site-selective C-N bond-forming reaction of polyhalogenated pyridines and pyrimidines. <i>RSC Advances</i> , 2015, 5, 82097-82111.	3.6	17
178	Organocatalytic direct difluoromethylation of aldehydes and ketones with TMSCF_2H . <i>RSC Advances</i> , 2015, 5, 35421-35424.	3.6	38
179	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
180	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

#	ARTICLE	IF	CITATIONS
181	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
182	Copper-catalysed <i>N</i> -arylation of Pyrrole with Aryl Iodides Under Ligand-free Conditions. <i>Journal of Chemical Research</i> , 2014, 38, 180-182.	1.3	8
183	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
184	A novel, non-metallic graphitic carbon nitride catalyst for acetylene hydrochlorination. <i>Journal of Catalysis</i> , 2014, 311, 288-294.	6.2	148
185	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
186	Novel catalyst by immobilizing a phosphotungstic acid on polymer brushes and its application in oxidative desulfurization. <i>RSC Advances</i> , 2014, 4, 16769-16776.	3.6	46
187	Transition-metal-free synthesis of multisubstituted <i>N</i> -arylindoles via reaction of arynes and α -amino ketones. <i>Tetrahedron</i> , 2014, 70, 2400-2405.	1.9	28
188	Mussel-inspired chemistry for one-step synthesis of <i>N</i> -doped carbon-gold composites with morphology tailoring and their catalytic properties. <i>RSC Advances</i> , 2014, 4, 1853-1856.	3.6	16
189	Specific Cu(II) detection using a novel tricarbazolyl-triazolotriazine based on photoinduced charge transfer. <i>RSC Advances</i> , 2014, 4, 13161-13166.	3.6	8
190	Mechanism studies of LiFePO_4 cathode material: lithiation/delithiation process, electrochemical modification and synthetic reaction. <i>RSC Advances</i> , 2014, 4, 54576-54602.	3.6	44
191	Nitrogen-Doped Pitch-Based Spherical Active Carbon as a Nonmetal Catalyst for Acetylene Hydrochlorination. <i>ChemCatChem</i> , 2014, 6, 2339-2344.	3.7	55
192	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
193	A novel high-stability Au(III)/Schiff-based catalyst for acetylene hydrochlorination reaction. <i>Catalysis Communications</i> , 2014, 54, 61-65.	3.3	47
194	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
195	Optimization of Dilute Alkali Extraction of Crude Polysaccharides from Mixotrophic <i>Chlorella</i> sp.-XJY. <i>Food Science and Technology Research</i> , 2014, 20, 51-58.	0.6	1
196	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
197	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
198	A rapid and efficient catalysis system for the synthesis of α -vinylbiphenyl derivatives. <i>Applied Organometallic Chemistry</i> , 2013, 27, 707-710.	3.5	6

#	ARTICLE	IF	CITATIONS
199	A Simple and Efficient Copper(II) Complex as a Catalyst for <i>N</i> -Arylation of Imidazoles. Chinese Journal of Chemistry, 2013, 31, 267-270.	4.9	15
200	Constructing novel double-bond-containing well-defined amphiphilic graft copolymers via successive Ni-catalyzed living coordination polymerization and SET-LRP. Journal of Polymer Science Part A, 2013, 51, 1942-1949.	2.3	9
201	Synthesis of a well-defined polyallene-based amphiphilic graft copolymer via sequential living coordination polymerization and SET-LRP. Journal of Polymer Science Part A, 2013, 51, 1880-1886.	2.3	11
202	Diastereoselective Synthesis of β -Butenolides Catalyzed by Potassium tert-Butoxide. Synthetic Communications, 2012, 42, 1226-1233.	2.1	3
203	Hydrochlorination of acetylene to vinyl chloride monomer over bimetallic Au-La/SAC catalysts. Journal of Industrial and Engineering Chemistry, 2012, 18, 49-54.	5.8	118
204	Progress on cleaner production of vinyl chloride monomers over non-mercury catalysts. Frontiers of Chemical Science and Engineering, 2011, 5, 514-520.	4.4	92
205	Synthesis, structure and biological activity of diorganotin derivatives with pyridyl functionalized bis(pyrazolyl)methanes. Applied Organometallic Chemistry, 2010, 24, 669-674.	3.5	25
206	Synthesis, structure, and fungicidal activity of triorganotin (4 <i>H</i> -1,2,4-triazol-4-yl)benzoates. Heteroatom Chemistry, 2009, 20, 411-417.	0.7	3
207	Optimization of semi-continuous cultivation conditions for the improvement of lipid productivity from thermo-tolerant <i>Chlorella vulgaris</i> XJW. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-15.	2.3	0
208	BaI ₃ O ₉ OH: A new alkaline-earth metal hydroxy iodates with two groups. New Journal of Chemistry, 0, , .	2.8	1