Yun-Jie Ding

List of Publications by Year
in descending order

117 papers	4,636 citations	117625 34 h-index	114465 63 g-index
119 all docs	119 docs citations	119 times ranked	4455 citing authors

#	Article	IF	Citations
1	Enhanced ethanol production inside carbon-nanotube reactors containing catalytic particles. Nature Materials, 2007, 6, 507-511.	27.5	864
2	High Alcohols Synthesis via Fischerâ€“Tropsch Reaction at Cobalt Metal/Carbide Interface. ACS Catalysis, 2015, 5, 3620-3624.	11.2	231
3	Ionic Liquid/Zn-PPh₃ Integrated Porous Organic Polymers Featuring Multifunctional Sites: Highly Active Heterogeneous Catalyst for Cooperative Conversion of CO₂ to Cyclic Carbonates. ACS Catalysis, 2016, 6, 6091-6100.	11.2	186
4	Insight into the Formation of Co@Co₂C Catalysts for Direct Synthesis of Higher Alcohols and Olefins from Syngas. ACS Catalysis, 2018, 8, 228-241.	11.2	152
5	Porous organic ligands (POLs) for synthesizing highly efficient heterogeneous catalysts. Chemical Communications, 2014, 50, 11844-11847.	4.1	148
6	Single atom dispersed Rh-biphephos&PPh₃@porous organic copolymers: highly efficient catalysts for continuous fixed-bed hydroformylation of propene. Green Chemistry, 2016, 18, 2995-3005.	9.0	127
7	Effect of La2O3 doping on syntheses of C1â€“C18 mixed linear Î±-alcohols from syngas over the Co/AC catalysts. Applied Catalysis A: General, 2009, 364, 137-142.	4.3	112
8	State-of-the-Art Multifunctional Heterogeneous POP Catalyst for Cooperative Transformation of CO₂ to Cyclic Carbonates. ACS Sustainable Chemistry and Engineering, 2017, 5, 4523-4528.	6.7	105
9	The formation of Co2C species in activated carbon supported cobalt-based catalysts and its impact on Fischerâ€“Tropsch reaction. Catalysis Letters, 2005, 102, 265-269.	2.6	101
10	Porous Ligand Creates New Reaction Route: Bifunctional Single-Atom Palladium Catalyst for Selective Distannylation of Terminal Alkynes. CheM, 2020, 6, 2300-2313.	11.7	92
11	Conjugated Microporous Polymer as Heterogeneous Ligand for Highly Selective Oxidative Heck Reaction. Journal of the American Chemical Society, 2017, 139, 3966-3969.	13.7	86
12	A Review on the Synthesis and Applications of Mesostructured Transition Metal Phosphates. Materials, 2013, 6, 217-243.	2.9	83
13	Ultrastable 3V-PPh3 polymers supported single Rh sites for fixed-bed hydroformylation of olefins. Journal of Molecular Catalysis A, 2015, 404-405, 211-217.	4.8	65
14	Constructing Mononuclear Palladium Catalysts by Precoordination/Solvothermal Polymerization: Recyclable Catalyst for Regioselective Oxidative Heck Reactions. Angewandte Chemie - International Edition, 2019, 58, 2448-2453.	13.8	64
15	Palladium/Phosphorusâ€Doped Porous Organic Polymer as Recyclable Chemoselective and Efficient Hydrogenation Catalyst under Ambient Conditions. Advanced Synthesis and Catalysis, 2017, 359, 2280-2287.	4.3	60
16	A mini review on strategies for heterogenization of rhodium-based hydroformylation catalysts. Frontiers of Chemical Science and Engineering, 2018, 12, 113-123.	4.4	60
17	In situ formation of mononuclear complexes by reaction-induced atomic dispersion of supported noble metal nanoparticles. Nature Communications, 2019, 10, 5281.	12.8	57
18	Xantphos doped Rh/POPs-PPh3 catalyst for highly selective long-chain olefins hydroformylation: Chemical and DFT insights into Rh location and the roles of Xantphos and PPh3. Journal of Catalysis, 2017, 353, 123-132.	6.2	56

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19	Designing highly efficient Rh/CPOL-bp&PPh₃ heterogenous catalysts for hydroformylation of internal and terminal olefins. Catalysis Science and Technology, 2016, 6, 2143-2149.	4.1	54
20	Study on CaO-promoted Co/AC catalysts for synthesis of higher alcohols from syngas. Fuel, 2016, 182, 42-49.	6.4	53
21	Single-atom Rh based bipyridine framework porous organic polymer: A high active and superb stable catalyst for heterogeneous methanol carbonylation. Journal of Catalysis, 2019, 369, 249-256.	6.2	53
22	Phosphonium salt and ZnX₂â€“PPh₃integrated hierarchical POPs: tailorable synthesis and highly efficient cooperative catalysis in CO₂utilization. Journal of Materials Chemistry A, 2016, 4, 16017-16027.	10.3	47
23	Tuning the Fischerâ€“Tropsch reaction over CoxMnyLa/AC catalysts toward alcohols: Effects of La promotion. Journal of Catalysis, 2018, 361, 156-167.	6.2	47
24	Highly efficient porous organic copolymer supported Rh catalysts for heterogeneous hydroformylation of butenes. Applied Catalysis A: General, 2018, 551, 98-105.	4.3	45
25	Heterogeneous Rh/CPOL-BP&P(OPh)3 catalysts for hydroformylation of 1-butene: The formation and evolution of the active species. Journal of Catalysis, 2018, 368, 197-206.	6.2	45
26	Highly recyclable polymer supported ionic liquids as efficient heterogeneous catalysts for batch and flow conversion of CO₂ to cyclic carbonates. RSC Advances, 2017, 7, 2836-2841.	3.6	44
27	CO Hydrogenation to C2-oxygenates over Rhâ€“Mnâ€“Li/SiO2 Catalyst: Effects of Support Pretreatment with nC1â€“C5 Alcohols. Catalysis Letters, 2008, 121, 241-246.	2.6	42
28	Coâ€“Co₂C and Coâ€“Co₂C/AC Catalysts for Hydroformylation of 1-Hexene under Low Pressure: Experimental and Theoretical Studies. Journal of Physical Chemistry C, 2014, 118, 19114-19122.	3.1	41
29	Palladium-metalated porous organic polymers as recyclable catalysts for chemoselective decarbonylation of aldehydes. Chemical Communications, 2018, 54, 8446-8449.	4.1	41
30	Atomically Dispersed Znâ€N_x Sites in Nâ€Doped Carbon for Reductive Nâ€formylation of Nitroarenes with Formic Acid. ChemCatChem, 2020, 12, 1546-1550.	3.7	39
31	A Polymerâ€Bound Monodentateâ€Pâ€Ligated Palladium Complex as a Recyclable Catalyst for the Suzukiâ€“Miyaura Coupling Reaction of Aryl Chlorides. Advanced Synthesis and Catalysis, 2015, 357, 2503-2508.	4.3	38
32	Higher alcohols synthesis via CO hydrogenation on Fe-promoted Co/AC catalysts. Catalysis Today, 2017, 281, 549-558.	4.4	37
33	Bifunctional Heterogeneous Ru/POP Catalyst Embedded with Alkali for the N-Formylation of Amine and CO₂. ACS Sustainable Chemistry and Engineering, 2020, 8, 5576-5583.	6.7	35
34	A General Synthetic Strategy toward Highly Doped Pyridinic Nitrogenâ€Rich Carbons. Advanced Functional Materials, 2021, 31, 2006076.	14.9	35
35	One-step production of C1â€“C18 alcohols via Fischer-Tropsch reaction over activated carbon-supported cobalt catalysts: Promotional effect of modification by SiO2. Chinese Journal of Catalysis, 2015, 36, 355-361.	14.0	34
36	Effects of impregnation strategy on structure and performance of bimetallic CoFe/AC catalysts for higher alcohols synthesis from syngas. Applied Catalysis A: General, 2016, 523, 263-271.	4.3	34

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37	Effect of Al2O3 Promoter on a Performance of C1â€“C14 Î±-Alcohols Direct Synthesis over Co/AC Catalysts via Fischerâ€“Tropsch Synthesis. Catalysis Letters, 2014, 144, 1433-1442.	2.6	33
38	Review of heterogeneous methanol carbonylation to acetyl species. Applied Catalysis A: General, 2020, 595, 117488.	4.3	32
39	A highly efficient single site Rh-POL-PPh3 catalyst for heterogeneous methanol carbonylation. Molecular Catalysis, 2017, 442, 83-88.	2.0	31
40	Constructing copper-zinc interface for selective hydrogenation of dimethyl oxalate. Journal of Catalysis, 2020, 383, 254-263.	6.2	31
41	Multifunctional Singleâ€Site Catalysts for Alkoxycarbonylation of Terminal Alkynes. ChemSusChem, 2016, 9, 2451-2459.	6.8	30
42	Mgâ€“porphyrin complex doped divinylbenzene based porous organic polymers (POPs) as highly efficient heterogeneous catalysts for the conversion of CO₂ to cyclic carbonates. Dalton Transactions, 2018, 47, 13135-13141.	3.3	30
43	Increasing the activity and selectivity of Co-based FTS catalysts supported by carbon materials for direct synthesis of clean fuels by the addition of chromium. Journal of Catalysis, 2019, 370, 251-264.	6.2	30
44	Fabrication of an Au₂₅â€Cysâ€Mo Electrocatalyst for Efficient Nitrogen Reduction to Ammonia under Ambient Conditions. Small, 2021, 17, e2100372.	10.0	30
45	Synthesis and Characterization of Silica-Supported Cobalt Phosphide Catalysts for CO Hydrogenation. Energy & Fuels, 2012, 26, 6559-6566.	5.1	28
46	Selective hydrogenolysis of glycerol to 1,3-propanediol over egg-shell type Irâ€“ReO_x catalysts. RSC Advances, 2016, 6, 13600-13608.	3.6	28
47	Effect of Re promoter on the structure and catalytic performance of Niâ€“Re/Al2O3 catalysts for the reductive amination of monoethanolamine. RSC Advances, 2018, 8, 8152-8163.	3.6	28
48	Structure, Activity, and Stability of Triphenyl Phosphine-Modified Rh/SBA-15 Catalyst for Hydroformylation of Propene: A High-Resolution Solid-State NMR Study. Journal of Physical Chemistry C, 2009, 113, 6589-6595.	3.1	27
49	Dualâ€Ionically Bound Singleâ€Site Rhodium on Porous Ionic Polymer Rivals Commercial Methanol Carbonylation Catalysts. Advanced Materials, 2019, 31, e1904976.	21.0	26
50	La-Stabilized, Single-Atom Ir/AC Catalyst for Heterogeneous Methanol Carbonylation to Methyl Acetate. Industrial & Engineering Chemistry Research, 2019, 58, 4755-4763.	3.7	26
51	The 2V-P,N polymer supported palladium catalyst for methoxycarbonylation of acetylene. Journal of Molecular Catalysis A, 2016, 414, 37-46.	4.8	25
52	Thiophene-Alkyne-Based CMPs as Highly Selective Regulators for Oxidative Heck Reaction. Organic Letters, 2017, 19, 4432-4435.	4.6	25
53	Study of activated carbon supported iron catalysts for the Fischer-Tropsch synthesis. Reaction Kinetics and Catalysis Letters, 2005, 84, 11-19.	0.6	23
54	Effect of different synthetic routes on the performance of propylene hydroformylation over 3V-PPh3 polymer supported Rh catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2015, 116, 223-234.	1.7	23

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55	Iodide-Coordinated Single-Site Pd Catalysts for Alkyne Dialkoxycarbonylation. ACS Catalysis, 2021, 11, 9242-9251.	11.2	23
56	Chiral BINAP-based hierarchical porous polymers as platforms for efficient heterogeneous asymmetric catalysis. Chinese Journal of Catalysis, 2017, 38, 890-897.	14.0	23
57	Study on the effect of alkali promoters on the formation of cobalt carbide (Co2C) and on the performance of Co2C via CO hydrogenation reaction. Reaction Kinetics, Mechanisms and Catalysis, 2014, 111, 505-520.	1.7	22
58	Porous Rh/BINAP polymers as efficient heterogeneous catalysts for asymmetric hydroformylation of styrene: Enhanced enantioselectivity realized by flexible chiral nanopockets. Chinese Journal of Catalysis, 2017, 38, 691-698.	14.0	21
59	Role of ReOx Species in Ni-Re/Al2O3 Catalyst for Amination of Monoethanolamine. Journal of Physical Chemistry C, 2018, 122, 23011-23025.	3.1	21
60	The role of H2 on the stability of the single-metal-site Ir1/AC catalyst for heterogeneous methanol carbonylation. Journal of Catalysis, 2020, 381, 193-203.	6.2	21
61	An Effective Method of Controlling Metal Particle Size on Impregnated Rh-Mn-Li/SiO2 Catalyst. Catalysis Letters, 2005, 104, 177-180.	2.6	20
62	Promoting effect of Al on tethered ligand-modified Rh/SiO2 catalysts for ethylene hydroformylation. Applied Catalysis A: General, 2015, 492, 127-132.	4.3	20
63	Influence of Pt Particle Size on the Activity of Pt/AC Catalyst in Selective Oxidation of Glycerol to Lactic Acid. Catalysis Letters, 2017, 147, 1197-1203.	2.6	19
64	An efficient and ultrastable single-Rh-site catalyst on a porous organic polymer for heterogeneous hydrocarboxylation of olefins. Chemical Communications, 2021, 57, 472-475.	4.1	19
65	Constructing Efficient Single Rh Sites on Activated Carbon via Surface Carbonyl Groups for Methanol Carbonylation. ACS Catalysis, 2021, 11, 682-690.	11.2	19
66	Highly Selective Conversion of Syngas to Higher Oxygenates over Tandem Catalysts. ACS Catalysis, 2021, 11, 14791-14802.	11.2	19
67	Effects of Ni particle size on amination of monoethanolamine over Ni-Re/SiO2 catalysts. Chinese Journal of Catalysis, 2019, 40, 567-579.	14.0	18
68	Rh catalysts supported on knitting aryl network polymers for the hydroformylation of higher olefins. Chinese Journal of Catalysis, 2014, 35, 1456-1464.	14.0	17
69	The influence of impregnation sequence on glycerol hydrogenolysis over iridium-rhenium catalyst. Reaction Kinetics, Mechanisms and Catalysis, 2016, 118, 481-496.	1.7	17
70	Pd 0 -PyPPh 2 @porous organic polymer: Efficient heterogeneous nanoparticle catalyst for dehydrogenation of 3-methyl-2-cyclohexen-1-one without extra oxidants and hydrogen acceptors. Molecular Catalysis, 2018, 456, 49-56.	2.0	17
71	Insight into the stability of binuclear Irâ€"La catalysts for efficient heterogeneous methanol carbonylation. Journal of Catalysis, 2019, 377, 400-408.	6.2	17
72	Alcohol-treated SiO2 as the support of Ir-Re/SiO2 catalysts for glycerol hydrogenolysis. Chinese Journal of Catalysis, 2016, 37, 2009-2017.	14.0	16

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73	One-step synthesis of pyruvic acid from glycerol oxidation over Pb promoted Pt/activated carbon catalysts. Chinese Journal of Catalysis, 2017, 38, 928-937.	14.0	16
74	Promotional effects of Cr and Fe on Rh/SiO₂ catalyst for the preparation of ethanol from CO hydrogenation. RSC Advances, 2016, 6, 35348-35353.	3.6	15
75	Ruâ€"PPh3@porous organic polymer: efficient and stable catalyst for the trickle bed regioselective hydrogenation of cinnamaldehyde. Reaction Kinetics, Mechanisms and Catalysis, 2017, 120, 637-649.	1.7	15
76	Highly active and stable porous polymer heterogenous catalysts for decomposition of formic acid to produce H2. Chinese Journal of Catalysis, 2019, 40, 147-151.	14.0	15
77	The effect of the position of cross-linkers on the structure and microenvironment of PPh₃ moiety in porous organic polymers. Journal of Materials Chemistry A, 2021, 9, 9165-9174.	10.3	15
78	Direct conversion of methane to oxygenates on porous organic polymers supported Rh mononuclear complex catalyst under mild conditions. Applied Catalysis B: Environmental, 2021, 293, 120208.	20.2	15
79	Bifunctional rheniumâ€"copper nanostructures for intensified and stable ethanol synthesis <i>via</i> hydrogenation of dimethyl oxalate. Catalysis Science and Technology, 2020, 10, 3175-3180.	4.1	13
80	Preparation and regeneration of supported single-Ir-site catalysts by nanoparticle dispersion via CO and nascent I radicals. Journal of Catalysis, 2020, 382, 347-357.	6.2	13
81	Rhodium single-atom catalysts with enhanced electrocatalytic hydrogen evolution performance. New Journal of Chemistry, 2021, 45, 5770-5774.	2.8	13
82	Enhancing the activity, selectivity, and recyclability of Rh/PPh3 system-catalyzed hydroformylation reactions through the development of a PPh3-derived quasi-porous organic cage as a ligand. Chinese Journal of Catalysis, 2021, 42, 1216-1226.	14.0	13
83	Sulfur-Promoted Hydrocarboxylation of Olefins on Heterogeneous Single-Rh-Site Catalysts. ACS Catalysis, 2022, 12, 4203-4215.	11.2	13
84	Tuning surface oxygen group concentration of carbon supports to promote Fischer-Tropsch synthesis. Applied Catalysis A: General, 2021, 613, 118017.	4.3	12
85	Efficient Co3O4/SiO2 catalyst for the Baeyerâ€"Villiger oxidation of cyclohexanone. Reaction Kinetics, Mechanisms and Catalysis, 2014, 112, 159-171.	1.7	11
86	Acid-promoted Ir-La-S/AC-catalyzed methanol carbonylation on single atomic active sites. Chinese Journal of Catalysis, 2018, 39, 1060-1069.	14.0	11
87	Host-induced alteration of the neighbors of single platinum atoms enables selective and stable hydrogenation of butadiene. Nanoscale, 2022, 14, 10506-10513.	5.6	11
88	Stable ethanol synthesis via dimethyl oxalate hydrogenation over the bifunctional rhenium-copper nanostructures: Influence of support. Journal of Catalysis, 2022, 407, 241-252.	6.2	10
89	Porous organic polymer-supported palladium catalyst for hydroesterification of olefins. Molecular Catalysis, 2020, 498, 111239.	2.0	9
90	Constructing efficient hcp-Co active sites for Fischer-Tropsch reaction on an activated carbon supported cobalt catalyst via multistep activation processes. Fuel, 2021, 292, 120244.	6.4	9

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91	Synthesis of methyl glycolate by hydrogenation of dimethyl oxalate with a P modified Co/SiO₂ catalyst. Chemical Communications, 2022, 58, 1958-1961.	4.1	9
92	Catalytic hydrogenation of carbon monoxide over Rhâ€"Mnâ€"Li/SiO2 catalyst for the synthesis of C2+ oxygenates:Âthe remarkable effect of urea on the particle size of Rh. Reaction Kinetics, Mechanisms and Catalysis, 2015, 115, 625-634.	1.7	8
93	Effects of cobalt carbide on Fischerâ€"Tropsch synthesis with MnO supported Co-based catalysts. Journal of Energy Chemistry, 2020, 42, 227-232.	12.9	8
94	Quaternary phosphonium polymer-supported dual-ionically bound [Rh(CO)I3]2â€" catalyst for heterogeneous ethanol carbonylation. Chinese Journal of Catalysis, 2021, 42, 606-617.	14.0	8
95	Precisely design PPh3-based polymer by hybrid coupling of monomers for high efficient hydroformylation. Microporous and Mesoporous Materials, 2022, 329, 111508.	4.4	8
96	Selective hydrogenation of 1,3-butadiene on iridium nanostructures: Structure sensitivity, host effect, and deactivation mechanism. Journal of Energy Chemistry, 2022, 69, 541-554.	12.9	8
97	Triton X-100-directed synthesis of carbon nitride and nitrogen-doped carbon for ethylene dichloride dehydrochlorination. Carbon, 2022, 196, 110-119.	10.3	8
98	Study on Ni-Re-K/Al2O3 catalysts for synthesis of N,Nâ€²-di-sec-butyl p-phenylene diamine from p-nitroaniline and 2-butanone. Applied Catalysis A: General, 2007, 330, 43-48.	4.3	7
99	Constructing Mononuclear Palladium Catalysts by Precoordination/Solvothermal Polymerization: Recyclable Catalyst for Regioselective Oxidative Heck Reactions. Angewandte Chemie, 2019, 131, 2470-2475.	2.0	7
100	Highly Efficient Heterogeneous Pd@POPs Catalyst for the N-Formylation of Amine and CO2. Catalysts, 2021, 11, 220.	3.5	7
101	Coâ€"Al Spinel as an Efficient Support for Co-Based Fischerâ€"Tropsch Catalyst: The Effect of Metalâ€"Support Interaction. Industrial & Engineering Chemistry Research, 2021, 60, 2849-2860.	3.7	7
102	High Performing and Stable Cu/NiAlO_x Catalysts for the Continuous Catalytic Conversion of Ethanol into Butanol. ChemCatChem, 2022, 14, .	3.7	7
103	Liquid-phase catalytic hydrodechlorination of chlorinated organic compounds in a continuous flow micro-packed bed reactor over a Pd/AC catalyst. Reaction Chemistry and Engineering, 2022, 7, 1827-1835.	3.7	6
104	Dehydration of Long-Chain <i>n</i>-Alcohols to Linear Î±-Olefins Using Sodium-Modified Î³-Al₂O₃. Industrial & Engineering Chemistry Research, 2020, 59, 4388-4396.	3.7	5
105	M/C3N4/AC (M = Au, Pt, Ru)-catalyzed acetylene coupling with ethylene dichloride: How effective are the bifunctionalities?. Chinese Journal of Catalysis, 2022, 43, 820-831.	14.0	5
106	Model Iron Phosphate Catalysts for the Oxy-bromination of Methane. Catalysis Letters, 2014, 144, 1384-1392.	2.6	4
107	Ammonium salts modified silica supported Rhâ€"Mnâ€"Li catalyst for CO hydrogenation to C2 oxygenates. Reaction Kinetics, Mechanisms and Catalysis, 2020, 131, 677-690.	1.7	4
108	Efficient heterogeneous hydroaminocarbonylation of olefins with ammonium chloride as amino source. Applied Catalysis A: General, 2021, 614, 118026.	4.3	4

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109	Ammonia Hydrothermally Treated SiO₂ Supported Rh-Based Catalyst for CO Hydrogenation to C₂ Oxygenates: Remarkable Effect of Support Pore Size. Industrial & Engineering Chemistry Research, 2020, 59, 18798-18807.	3.7	3
110	CO Hydrogenation to C2 Oxygenates over SiO2 Supported Rh-Based Catalyst: The Effect of pH Value of Impregnation Solution. Catalysis Letters, 2021, 151, 2775-2783.	2.6	3
111	Trace Singleâ€Atom Ironâ€Decorated Nitrogenâ€Doped Carbons Enable Highly Efficient Selective Oxidation of Ethyl Benzene. ChemCatChem, 2021, 13, 5084-5088.	3.7	3
112	Title is missing!. Catalysis Letters, 2002, 84, 89-93.	2.6	2
113	Alcohol Synthesis via Fischerâ€“Tropsch Synthesis over Activated Carbon Supported Alkaline Earth Modified Cobalt Catalyst. Catalysis Letters, 2021, 151, 3632.	2.6	2
114	Assembly of N- and P-functionalized carbon nanostructures derived from precursor-defined ternary copolymers for high-capacity lithium-ion batteries. Chinese Journal of Chemical Engineering, 2023, 53, 280-288.	3.5	2
115	Atomic-Scale Observation of Sequential Oxidation Process on Co(0001). Journal of Physical Chemistry Letters, 2022, 13, 5131-5136.	4.6	2
116	Mn doping of Co-Al spinel as Fischer-Tropsch catalyst support. Applied Catalysis A: General, 2021, 624, 118308.	4.3	1
117	Revisiting the Structural Evolution of Hydrotalciteâ€Derived Mixed Metal Oxides upon Alkali Metal Doping and Its Impact on Base Catalysis. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	1