Zhong Li

List of Publications by Year
in descending order

136 papers	4,129 citations	136740 32 h-index	155451 55 g-index
136 all docs	136 docs citations	136 times ranked	3873 citing authors

#	Article	IF	Citations
1	Oxygen Vacancy Promoting Dimethyl Carbonate Synthesis from CO₂ and Methanol over Zr-Doped CeO₂ Nanorods. ACS Catalysis, 2018, 8, 10446-10456.	5.5	370
2	Insights into the mechanisms of CO2 methanation on Ni(111) surfaces by density functional theory. Applied Surface Science, 2015, 351, 504-516.	3.1	157
3	Methanation of carbon dioxide over Niâ€“M/ZrO2 (M=Fe, Co, Cu) catalysts: Effect of addition of a second metal. Fuel Processing Technology, 2015, 137, 204-211.	3.7	147
4	The catalytic methanation of coke oven gas over Ni-Ce/Al2O3 catalysts prepared by microwave heating: Effect of amorphous NiO formation. Applied Catalysis B: Environmental, 2015, 164, 18-30.	10.8	124
5	Influence of the surface oxygenated groups of activated carbon on preparation of a nano Cu/AC catalyst and heterogeneous catalysis in the oxidative carbonylation of methanol. Applied Catalysis B: Environmental, 2015, 179, 95-105.	10.8	122
6	Nitrogen-doped graphene supported copper catalysts for methanol oxidative carbonylation: Enhancement of catalytic activity and stability by nitrogen species. Carbon, 2018, 130, 185-195.	5.4	89
7	Adsorption and dissociation of O2 on the Cu2O(111) surface: Thermochemistry, reaction barrier. Applied Surface Science, 2011, 257, 4787-4794.	3.1	85
8	Ni/SBA-15 catalysts for CO methanation: effects of V, Ce, and Zr promoters. RSC Advances, 2015, 5, 96504-96517.	1.7	79
9	Enhanced electronic conductivity and sodium-ion adsorption in N/S co-doped ordered mesoporous carbon for high-performance sodium-ion battery anode. Journal of Power Sources, 2019, 412, 606-614.	4.0	76
10	Effect of promoter Ce on the structure and catalytic performance of Ni/Al2O3 catalyst for CO methanation in slurry-bed reactor. Journal of Natural Gas Science and Engineering, 2015, 23, 250-258.	2.1	70
11	Catalytic performance of CO methanation over La-promoted Ni/Al2O3 catalyst in a slurry-bed reactor. Chemical Engineering Journal, 2017, 313, 1548-1555.	6.6	69
12	Silica/titania composite-supported Ni catalysts for CO methanation: Effects of Ti species on the activity, anti-sintering, and anti-coking properties. Applied Catalysis B: Environmental, 2017, 201, 561-572.	10.8	68
13	Direct synthesis of dimethyl carbonate from CO₂ and methanol over CaOâ€“CeO₂ catalysts: the role of acidâ€“base properties and surface oxygen vacancies. New Journal of Chemistry, 2017, 41, 12231-12240.	1.4	66
14	Insights into the Surface Oxygen Functional Group-Driven Fast and Stable Sodium Adsorption on Carbon. ACS Applied Materials & Interfaces, 2020, 12, 6991-7000.	4.0	63
15	High selective catalyst CuCl/MCM-41 for oxidative carbonylation of methanol to dimethyl carbonate. Applied Catalysis A: General, 2001, 205, 85-92.	2.2	59
16	Studies of the interaction between CuCl and HY zeolite for preparing heterogeneous CuI catalyst. Applied Catalysis A: General, 2001, 209, 107-115.	2.2	59
17	Pore fabrication of nano-ZSM-5 zeolite by internal desilication and its influence on the methanol to hydrocarbon reaction. Fuel Processing Technology, 2017, 155, 191-199.	3.7	58
18	Silicalite-1 Derivational Desilication-Recrystallization to Prepare Hollow Nano-ZSM-5 and Highly Mesoporous Micro-ZSM-5 Catalyst for Methanol to Hydrocarbons. Industrial & Engineering Chemistry Research, 2019, 58, 2146-2158.	1.8	56

#	Article	IF	Citations
19	Catalytic synergy between the low Si/Al ratio Zn/ZSM-5 and high Si/Al ratio HZSM-5 for high-performance methanol conversion to aromatics. Applied Catalysis B: Environmental, 2021, 291, 120098.	10.8	55
20	Insight into the positive effect of Cu0/Cu+ ratio on the stability of Cu-ZnO-CeO2 catalyst for syngas hydrogenation. Applied Catalysis A: General, 2020, 594, 117466.	2.2	54
21	Oxygen vacancies confined in conjugated polyimide for promoted visible-light photocatalytic oxidative coupling of amines. Applied Catalysis B: Environmental, 2020, 272, 118964.	10.8	54
22	Synthesis of lower olefins from syngas over Zn/Al₂O₃â€“SAPO-34 hybrid catalysts: role of doped Zr and influence of the Zn/Al₂O₃ratio. Catalysis Science and Technology, 2018, 8, 3527-3538.	2.1	52
23	Fabrication of a nano-sized ZSM-5 zeolite with intercrystalline mesopores for conversion of methanol to gasoline. Journal of Energy Chemistry, 2017, 26, 139-146.	7.1	50
24	Direct transformation of syngas to lower olefins synthesis over hybrid Znâ€“Al₂O₃/SAPO-34 catalysts. New Journal of Chemistry, 2018, 42, 4419-4431.	1.4	47
25	Combustion Characteristics of Coal Gangue under an Atmosphere of Coal Mine Methane. Energy & Fuels, 2014, 28, 3688-3695.	2.5	46
26	A theoretical investigation on the mechanism of dimethyl carbonate formation on Cu/AC catalyst. Applied Catalysis A: General, 2014, 472, 47-52.	2.2	44
27	Oxidative carbonylation of methanol to dimethyl carbonate over CuCl/SiO2â€“TiO2 catalysts prepared by microwave heating: The effect of support composition. Applied Catalysis A: General, 2009, 366, 93-101.	2.2	42
28	A density functional theory investigation on the mechanism and kinetics of dimethyl carbonate formation on Cu₂O catalyst. Journal of Computational Chemistry, 2012, 33, 1101-1110.	1.5	41
29	Effect of Cu location and dispersion on carbon sphere supported Cu catalysts for oxidative carbonylation of methanol to dimethyl carbonate. Carbon, 2017, 115, 363-374.	5.4	40
30	Conjugated HCl-doped polyaniline for photocatalytic oxidative coupling of amines under visible light. Catalysis Science and Technology, 2019, 9, 753-761.	2.1	40
31	Adsorption dominant sodium storage in three-dimensional coal-based graphite microcrystal/graphene composites. Journal of Materials Chemistry A, 2019, 7, 7565-7572.	5.2	38
32	Factors controlling nanosized Niâ€“Al₂O₃ catalysts synthesized by solution combustion for slurry-phase CO methanation: the ratio of reducing valences to oxidizing valences in redox systems. Catalysis Science and Technology, 2016, 6, 7800-7811.	2.1	35
33	Facile synthesis of nano-sized hollow ZSM-5 zeolites with rich mesopores in shell. Microporous and Mesoporous Materials, 2017, 250, 43-46.	2.2	34
34	Simple strategy synthesizing stable CuZnO/SiO2 methanol synthesis catalyst. Journal of Catalysis, 2019, 372, 163-173.	3.1	34
35	Influence of surface oxygenated groups on the formation of active Cu species and the catalytic activity of Cu/AC catalyst for the synthesis of dimethyl carbonate. Applied Surface Science, 2016, 390, 68-77.	3.1	33
36	Excellent selectivity for direct conversion of syngas to light olefins over a Mnâ€“Ga oxide and SAPO-34 bifunctional catalyst. Catalysis Science and Technology, 2019, 9, 5577-5581.	2.1	33

#	Article	IF	Citations
37	Slurry phase methanation of carbon monoxide over nanosized Niâ€"Al2O3 catalysts prepared by microwave-assisted solution combustion. Applied Catalysis A: General, 2016, 510, 74-83.	2.2	32
38	Pseudocapacitive Na⁺ Insertion in Tiâ€"Oâ€"C Channels of TiO₂â€"C Nanofibers with High Rate and Ultrastable Performance. ACS Applied Materials & Interfaces, 2019, 11, 17416-17424.	4.0	32
39	Direct and generalized synthesis of carbon-based yolkâ€"shell nanocomposites from metal-oleate precursor. Chemical Engineering Journal, 2016, 283, 1295-1304.	6.6	31
40	Influence of fuel additives in the urea-nitrates solution combustion synthesis of Ni-Al 2 O 3 catalyst for slurry phase CO methanation. Applied Catalysis A: General, 2017, 534, 12-21.	2.2	31
41	Directional Oxygen Functionalization by Defect in Different Metamorphicâ€Grade Coalâ€Derived Carbon Materials for Sodium Storage. Energy and Environmental Materials, 2022, 5, 313-320.	7.3	30
42	Boosting CO2 hydrogenation performance for light olefin synthesis over GaZrOx combined with SAPO-34. Applied Catalysis B: Environmental, 2022, 305, 121042.	10.8	30
43	The growth of Ni_n clusters and their interaction with cubic, monoclinic, and tetragonal ZrO₂ surfacesâ€"a theoretical and experimental study. RSC Advances, 2015, 5, 59935-59945.	1.7	29
44	Effect of ZrO2 on catalyst structure and catalytic methanation performance over Ni-based catalyst in slurry-bed reactor. International Journal of Hydrogen Energy, 2015, 40, 8833-8843.	3.8	29
45	Oxygen functionalization boosted sodium adsorption-intercalation in coal based needle coke. Electrochimica Acta, 2020, 329, 135127.	2.6	29
46	Coeffect of Na⁺ and Tetrapropylammonium (TPA⁺) in Alkali Treatment on the Fabrication of Mesoporous ZSM-5 Catalyst for Methanol-to-Hydrocarbons Reactions. Industrial & Engineering Chemistry Research, 2016, 55, 13040-13049.	1.8	28
47	Density-functional theory study of dimethyl carbonate synthesis by methanol oxidative carbonylation on single-atom Cu 1 /graphene catalyst. Applied Surface Science, 2017, 425, 291-300.	3.1	27
48	Graphene supported Cu nanoparticles as catalysts for the synthesis of dimethyl carbonate: Effect of carbon black intercalation. Molecular Catalysis, 2018, 445, 257-268.	1.0	27
49	Controllable synthesis of nano-ZSM-5 catalysts with large amount and high strength of acid sites for conversion of methanol to hydrocarbons. Microporous and Mesoporous Materials, 2019, 273, 122-132.	2.2	27
50	Defect formation-induced tunable evolution of oxygen functional groups for sodium storage in porous graphene. Chemical Communications, 2020, 56, 1089-1092.	2.2	27
51	Highly active ternary oxide ZrCeZnOx combined with SAPO-34 zeolite for direct conversion of syngas into light olefins. Catalysis Today, 2021, 368, 118-125.	2.2	27
52	Selective synthesis of mixed alcohols from syngas over catalyst Fe2O3/Al2O3 in slurry reactor. Fuel Processing Technology, 2010, 91, 379-382.	3.7	26
53	Fabrication of Hollow Mesoporous Nanosized ZSMâ€5 Catalyst with Superior Methanolâ€toâ€Hydrocarbons Performance by Controllable Desilication. ChemCatChem, 2017, 9, 4212-4224.	1.8	26
54	Remarkable activity of nitrogen-doped hollow carbon spheres encapsulated Cu on synthesis of dimethyl carbonate: Role of effective nitrogen. Applied Surface Science, 2018, 436, 803-813.	3.1	25

#	Article	IF	Citations
55	Cu nanoparticles encapsulated with hollow carbon spheres for methanol oxidative carbonylation: Tuning of the catalytic properties by particle size control. Applied Surface Science, 2018, 459, 707-715.	3.1	24
56	Development of mesoporous ZSM-5 zeolite with microporosity preservation through induced desilication. Journal of Materials Science, 2020, 55, 11870-11890.	1.7	24
57	Mechanism of microwave-induced carbothermic reduction and catalytic performance of Cu/activated carbon catalysts in the oxidative carbonylation of methanol. Journal of Thermal Analysis and Calorimetry, 2015, 120, 1929-1939.	2.0	23
58	Influence of Microwave Irradiation on the Structural Properties of Carbonâ€Supported Hollow Copper Nanoparticles and Their Effect on the Synthesis of Dimethyl Carbonate. ChemCatChem, 2016, 8, 861-871.	1.8	23
59	Highly active catalysis of methanol oxidative carbonylation over nano Cu2O supported on micropore-rich mesoporous carbon. Applied Catalysis B: Environmental, 2022, 303, 120890.	10.8	22
60	Surface Structure and Catalytic Performance of CuCl/SiO2-Al2O3 Catalysts for Methanol Oxidative Carbonylation. Chinese Journal of Catalysis, 2008, 29, 643-648.	6.9	21
61	Effect of carbon support on the catalytic performance of Cu-based nanoparticles for oxidative carbonylation of methanol. Applied Surface Science, 2018, 455, 696-704.	3.1	21
62	Influence of oxygen-containing groups of activated carbon aerogels on copper/activated carbon aerogels catalyst and synthesis of dimethyl carbonate. Journal of Materials Science, 2018, 53, 1833-1850.	1.7	20
63	Highly efficient synthesis of dimethyl carbonate over copper catalysts supported on resin-derived carbon microspheres. Chemical Engineering Science, 2019, 207, 1060-1071.	1.9	20
64	High gravimetric and volumetric sodium storage in a functionalized coal-based microcrystal/CNT binder-free electrode. Chemical Communications, 2019, 55, 7954-7957.	2.2	20
65	Preparation of Cu+/SiO2-ZrO2 catalysts for the oxidative carbonylation of methanol to dimethyl carbonate. Journal of Fuel Chemistry and Technology, 2011, 39, 282-286.	0.9	19
66	Effect of Particle Morphology for ZSM-5 Zeolite on the Catalytic Conversion of Methanol to Gasoline-Range Hydrocarbons. Catalysis Letters, 2016, 146, 1973-1983.	1.4	19
67	Si/Al ratio induced structure evolution during desilication-recrystallization of silicalite-1 to synthesize nano-ZSM-5 catalyst for MTH reaction. Fuel Processing Technology, 2019, 194, 106122.	3.7	19
68	Carbon nanotube-supported Cu-based catalysts for oxidative carbonylation of methanol to methyl carbonate: effect of nanotube pore size. Catalysis Science and Technology, 2020, 10, 2615-2626.	2.1	19
69	Effects of surface acidâ€“base properties of ZrO2 on the direct synthesis of DMC from CO2 and methanol: A combined DFT and experimental study. Chemical Engineering Science, 2021, 229, 116018.	1.9	19
70	Synthesis of dimethyl carbonate over starch-based Carbon-supported Cu nanoparticles catalysts. Chinese Journal of Catalysis, 2013, 34, 1734-1744.	6.9	18
71	Enhanced sodium storage <i>via</i> the hetero-interface effect in BiOCl/TiO₂ pâ€“n junctions. Chemical Communications, 2019, 55, 4111-4114.	2.2	18
72	Surface reconstruction induced highly efficient N-doped carbon nanosheet supported copper cluster catalysts for dimethyl carbonate synthesis. Applied Catalysis B: Environmental, 2022, 300, 120718.	10.8	18

#	ARTICLE	IF	CITATIONS
73	Effect of environment around the active center Cu + species on the catalytic activity of CuY zeolites in dimethyl carbonate synthesis: A theoretical study. Fuel Processing Technology, 2014, 128, 310-318.	3.7	17
74	Insight into the Selection of the Post-Treatment Strategy for ZSM-5 Zeolites for the Improvement of Catalytic Stability in the Conversion of Methanol to Hydrocarbons. Industrial & Engineering Chemistry Research, 2020, 59, 11125-11138.	1.8	17
75	The influence of the pore structure in ordered mesoporous carbon over the formation of Cu species and their catalytic activity towards the methanol oxidative carbonylation. Journal of Materials Science, 2016, 51, 5514-5528.	1.7	16
76	Catalytic methanation performance in a low-temperature slurry-bed reactor over Niâ€“ZrO2 catalyst: effect of the preparation method. Journal of Sol-Gel Science and Technology, 2016, 80, 759-768.	1.1	16
77	Synthesis of dimethyl carbonate on single Cu atom embedded in N-doped graphene: Effect of nitrogen species. Molecular Catalysis, 2017, 443, 1-13.	1.0	16
78	CO hydrogenation combined with water-gas-shift reaction for synthetic natural gas production: a thermodynamic and experimental study. International Journal of Coal Science and Technology, 2018, 5, 439-451.	2.7	16
79	Sodium Storage in Coal/Biomassâ€Derived Carbon/Carbon 3D Networks. ChemElectroChem, 2019, 6, 4541-4544.	1.7	16
80	Hierarchical Porous Carbon-Supported Copper Nanoparticles as an Efficient Catalyst for the Dimethyl Carbonate Synthesis. Catalysis Letters, 2019, 149, 3184-3193.	1.4	16
81	The promotion and stabilization effects of surface nitrogen containing groups of CNT on cu-based nanoparticles in the oxidative carbonylation reaction. Applied Catalysis A: General, 2019, 579, 18-29.	2.2	16
82	Surface-Protection-Induced Controllable Restructuring of Pores and Acid Sites of the Nano-ZSM-5 Catalyst and Its Influence on the Catalytic Conversion of Methanol to Hydrocarbons. Langmuir, 2020, 36, 3737-3749.	1.6	16
83	Preparation of Chlorine-Free Cu/AC Catalyst and Its Catalytic Properties for Vapor Phase Oxidative Carbonylation of Methanol. Chinese Journal of Catalysis, 2010, 31, 851-856.	6.9	16
84	Investigation of the interaction between Cu(acac)₂ and NH₄Y in the preparation of chlorine-free CuY catalysts for the oxidative carbonylation of methanol to a fuel additive. RSC Advances, 2015, 5, 102323-102331.	1.7	15
85	First-principles investigation on Cu/ZnO catalyst precursor: Energetic, structural and electronic properties of Zn-doped Cu2(OH)2CO3. Computational Materials Science, 2015, 96, 1-9.	1.4	15
86	Characterization and assessment of an enhanced CuY catalyst for oxidative carbonylation of methanol prepared by consecutive liquid-phase ion exchange and incipient wetness impregnation. Fuel Processing Technology, 2016, 152, 367-374.	3.7	15
87	The selective and stable synthesis of aromatics from methanol via two-step route using light alkenes as intermediates. Fuel, 2020, 280, 118609.	3.4	15
88	Synthesis Gas Conversion to Lower Olefins over ZnCrâ€SAPOâ€34 Catalysts: Role of ZnOâˆ'ZnCr₂O₄ Interface. ChemCatChem, 2020, 12, 4387-4395.	1.8	15
89	Surface Structure and Catalytic Performance of Ni-Fe Catalyst for Low-Temperature CO Hydrogenation. Journal of Chemistry, 2014, 2014, 1-7.	0.9	14
90	Ordered mesoporous carbon-supported CoFe2O4 composite with enhanced lithium storage properties. Journal of Materials Science, 2017, 52, 6265-6279.	1.7	14

#	Article	IF	Citations
91	Direct synthesis of iso -butane from synthesis gas or CO 2 over CuZnZrAl/Pd-Î² hybrid catalyst. Journal of Saudi Chemical Society, 2017, 21, 974-982.	2.4	14
92	Methanol synthesis from CO2: a DFT investigation on Zn-promoted Cu catalyst. Research on Chemical Intermediates, 2020, 46, 1749-1769.	1.3	14
93	Group 13 metal doped Cu/ZnO catalysts from phase pure precursors <i>via</i> an isomorphous substitution route: mechanistic insights into promotional effects for syngas hydrogenation to methanol. Catalysis Science and Technology, 2020, 10, 7386-7398.	2.1	14
94	Controllable synthesis of ultra-tiny nano-ZSM-5 catalyst based on the control of crystal growth for methanol to hydrocarbon reaction. Fuel Processing Technology, 2021, 211, 106594.	3.7	14
95	Syngas to Olefins over a CrMnGa/SAPO-34 Bifunctional Catalyst: Effect of Cr and Cr/Mn Ratio. Industrial & Engineering Chemistry Research, 2021, 60, 13214-13222.	1.8	14
96	Sacrificial Carbon Strategy toward Enhancement of Slurry Methanation Activity and Stability over Ni-Zr/SiO₂ Catalyst. Industrial & Engineering Chemistry Research, 2018, 57, 4798-4806.	1.8	13
97	Facile creation of hierarchical nano-sized ZSM-5 with a large external surface area via desilicationâ€“recrystallization of silicalite-1 for conversion of methanol to hydrocarbons. Catalysis Science and Technology, 2019, 9, 6647-6658.	2.1	13
98	A DFT study of dimethyl carbonate synthesis from methanol and CO2 on zirconia: Effect of crystalline phases. Computational Materials Science, 2019, 159, 210-221.	1.4	13
99	A facile approach for fabricating highly active ZrCeZnO in combination with SAPO-34 for the conversion of syngas into light olefins. Applied Surface Science, 2021, 542, 148713.	3.1	13
100	Carbon-Supported Nitrogen-Doped Graphene-Wrapped Copper Nanoparticles: An Effective Catalyst for the Oxidative Carbonylation of Methanol. Industrial & Engineering Chemistry Research, 2021, 60, 2944-2953.	1.8	13
101	Fabrication of Yolk-Shell Cu@C Nanocomposites as High-Performance Catalysts in Oxidative Carbonylation of Methanol to Dimethyl Carbonate. Nanoscale Research Letters, 2017, 12, 481.	3.1	12
102	Effect of NH 4 + exchange on CuY catalyst for oxidative carbonylation of methanol. Chinese Journal of Catalysis, 2016, 37, 1403-1412.	6.9	11
103	Coâ€doping Nitrogen/Sulfur through a Solidâ€State Reaction to Enhance the Electrochemical Performance of Anatase TiO₂ Nanoparticles as a Sodiumâ€Ion Battery Anode. ChemElectroChem, 2018, 5, 316-321.	1.7	11
104	Effects of preparation method and precipitant on Mnâ€“Ga oxide in combination with SAPO-34 for syngas conversion into light olefins. New Journal of Chemistry, 2021, 45, 7967-7976.	1.4	11
105	Oriented Isomorphous Substitution: An Efficient and Alternative Route to Fabricate the Zn Rich Phase Pure (Cu_{1â^’<i>x</i>},Zn_x)₂(OH)₂CO₃ Precursor Catalyst for Methanol Synthesis. ChemCatChem, 2020, 12, 2040-2049.	1.8	11
106	Carbon Deposition Behavior of Ni Catalyst Prepared by Combustion Method in Slurry Methanation Reaction. Catalysts, 2019, 9, 570.	1.6	10
107	Effect of ZSM-5 crystal size on its catalytic properties for conversion of methanol to gasoline. Journal of Fuel Chemistry and Technology, 2017, 45, 75-83.	0.9	9
108	Mechanochemical Modification of Oxygen/Nitrogen Species on Surface of Hard Carbon for Improved Sodium Storage. ACS Sustainable Chemistry and Engineering, 2022, 10, 23-30.	3.2	9

#	Article	IF	Citations
109	Directional modification of oxygen functional groups by N heteroatoms on soft/hard carbons for sodium storage. Chemical Communications, 2022, 58, 7317-7320.	2.2	9
110	In Situ Hydrothermal Synthesis of Metallic Bi Selfâ€Deposited Bi₂SiO₅ with Enhanced Photocatalytic CO₂ Reduction Performance. Solar Rrl, 2022, 6, .	3.1	9
111	A <scp>DFT</scp> study of <scp>DMC</scp> formation on <scp>R</scp>hâ€doped <scp>C</scp>u/<scp>AC</scp> surfaces. International Journal of Quantum Chemistry, 2015, 115, 853-858.	1.0	8
112	Fabrication of Few-Layer Graphene-Supported Copper Catalysts Using a Lithium-Promoted Thermal Exfoliation Method for Methanol Oxidative Carbonylation. ACS Applied Materials & Interfaces, 2020, 12, 30483-30493.	4.0	8
113	Precisely regulating acid density and types to promote the stable two-step conversion of methanol to aromatics via light hydrocarbons. Microporous and Mesoporous Materials, 2021, 320, 111103.	2.2	8
114	Preparation of Cu/ZnO/Al2O3 catalyst under microwave irradiation for slurry methanol synthesis. Frontiers of Chemical Engineering in China, 2010, 4, 445-451.	0.6	7
115	Structural and electronic properties of Cu-doped Zn5(OH)6(CO3)2 from first principles. Journal of Materials Science, 2015, 50, 6794-6807.	1.7	7
116	An efficient strategy to improve the catalytic activity of CuY for oxidative carbonylation of methanol: Modification of NaY by H4EDTA-NaOH sequential treatment. Microporous and Mesoporous Materials, 2020, 307, 110500.	2.2	7
117	High catalytic activity of CuY catalysts prepared by high temperature anhydrous interaction for the oxidative carbonylation of methanol. RSC Advances, 2020, 10, 3293-3300.	1.7	7
118	Highly dispersed Cu supported on mesoporous Alâ€KITâ€6 for oxidative carbonylation of methanol to dimethyl carbonate. Applied Organometallic Chemistry, 2020, 34, e5644.	1.7	7
119	Enhanced surface capacitive sodium storage by pores regulation in carbon/carbon composite nanofibers. Microporous and Mesoporous Materials, 2022, 332, 111706.	2.2	7
120	CoZn-ZIF-derived carbon-supported Cu catalyst for methanol oxidative carbonylation to dimethyl carbonate. New Journal of Chemistry, 2022, 46, 7452-7463.	1.4	7
121	Surface reactions of CuCl2 and HY zeolite during the preparation of CuY catalyst for the oxidative carbonylation of methanol. Chinese Journal of Catalysis, 2014, 35, 134-139.	6.9	6
122	Effect of calcination temperature on catalytic performance of CuCe/AC catalysts for oxidative carbonylation of methanol. Journal of Fuel Chemistry and Technology, 2016, 44, 674-679.	0.9	6
123	Selective conversion of methanol to aromatics with superior catalytic stability by relay catalysis over quadruple ZSM-5 sequence beds with gradient-increasing acidity. Fuel, 2022, 315, 123241.	3.4	6
124	Study on the formation and role of copper chloride hydroxide in the oxidative carbonylation of methanol to dimethyl carbonate. Kinetics and Catalysis, 2010, 51, 250-254.	0.3	5
125	Niâ€based catalysts prepared by impregnation combustion method for CO methanation in a slurryâ€bed reactor. Asia-Pacific Journal of Chemical Engineering, 2016, 11, 151-157.	0.8	5
126	Catalytic methanation in a slurry-bed reactor over Ni/SiO2 catalysts: improvement by ZrO2 and Î²-cyclodextrin addition. Reaction Kinetics, Mechanisms and Catalysis, 2017, 122, 525-538.	0.8	5

#	Article	IF	Citations
127	Isomorphous substitution method to fabricating pure phase Alâ€doped zinc malachite: defects driven promotion improvement and enhanced synergy between Cuâˆ’ZnO. ChemCatChem, 2020, 12, 5697-5709.	1.8	5
128	Solution-combusted nanosized Niâ€“Al2O3 catalyst for slurry CO methanation: effects of alkali/alkaline earth metal chlorides. Journal of Materials Science, 2020, 55, 16510-16521.	1.7	5
129	Evolution of the pore and framework structure of NaY zeolite during alkali treatment and its effect on methanol oxidative carbonylation over a CuY catalyst. Journal of Chemical Research, 2020, 44, 710-720.	0.6	5
130	Role of metal coâ€cations in improving CuY zeolite performance for DMC synthesis: A theoretical study. Applied Organometallic Chemistry, 2020, 34, e5832.	1.7	4
131	Structure of CuCl/SiO₂-TiO₂ Catalyst and Its Catalytic Properties for Oxidative Carbonylation of Methanol. Chinese Journal of Catalysis, 2010, 31, 683-688.	6.9	4
132	MoO3/SO4 2âˆ’-TiO2 catalyst for transesterification of dimethyl cabonate with phenol. Journal of Central South University, 2014, 21, 1719-1724.	1.2	3
133	New Theoretical Insights into the Origin of Highlyâ€Effective Dispersion of Cuâ€Based Catalysts Asâ€Synthesized Using Mg/Zn Doped Malachite as Precursors. ChemistrySelect, 2019, 4, 13271-13279.	0.7	3
134	Strengthening catalytic synergy of two function-complementary ZSM-5 by optimizing their spatial organizations in fixed-bed reactor to boost methanol aromatization. Microporous and Mesoporous Materials, 2022, 337, 111953.	2.2	3
135	The Influence of Iron Group Promoters on the Synthesis of Dimethyl Carbonate over CuY Catalysts Prepared via Modified Vapor Impregnation Method. Russian Journal of Physical Chemistry A, 2021, 95, 705-712.	0.1	2
136	The confinement effects of ordered mesoporous carbon on copper nanoparticles for methanol oxidative carbonylation. New Journal of Chemistry, 2022, 46, 2980-2988.	1.4	2