Lisheng Guo

List of Publications by Year in descending order

132 papers	7,677 citations	53794 45 h-index	56724 83 g-index
135 all docs	135 docs citations	135 times ranked	5337 citing authors

#	Article	IF	Citations
1	Directly converting CO2 into a gasoline fuel. Nature Communications, 2017, 8, 15174.	12.8	652
2	Integrated tuneable synthesis of liquid fuels via Fischerâ€“Tropsch technology. Nature Catalysis, 2018, 1, 787-793.	34.4	300
3	Confinement Effect and Synergistic Function of H-ZSM-5/Cu-ZnO-Al₂O₃ Capsule Catalyst for One-Step Controlled Synthesis. Journal of the American Chemical Society, 2010, 132, 8129-8136.	13.7	263
4	A Core/Shell Catalyst Produces a Spatially Confined Effect and Shape Selectivity in a Consecutive Reaction. Angewandte Chemie - International Edition, 2008, 47, 353-356.	13.8	239
5	Significant Advances in C1 Catalysis: Highly Efficient Catalysts and Catalytic Reactions. ACS Catalysis, 2019, 9, 3026-3053.	11.2	238
6	Rationally Designing Bifunctional Catalysts as an Efficient Strategy To Boost CO₂ Hydrogenation Producing Value-Added Aromatics. ACS Catalysis, 2019, 9, 895-901.	11.2	236
7	Catalysis Chemistry of Dimethyl Ether Synthesis. ACS Catalysis, 2014, 4, 3346-3356.	11.2	232
8	Confined small-sized cobalt catalysts stimulate carbon-chain growth reversely by modifying ASF law of Fischerâ€“Tropsch synthesis. Nature Communications, 2018, 9, 3250.	12.8	186
9	Recent progress for direct synthesis of dimethyl ether from syngas on the heterogeneous bifunctional hybrid catalysts. Applied Catalysis B: Environmental, 2017, 217, 494-522.	20.2	181
10	One-pass selective conversion of syngas to <i>para</i>-xylene. Chemical Science, 2017, 8, 7941-7946.	7.4	154
11	Promotional effect of La2O3 and CeO2 on Ni/Î³-Al2O3 catalysts for CO2 reforming of CH4. Applied Catalysis A: General, 2010, 385, 92-100.	4.3	147
12	Recent advances in direct catalytic hydrogenation of carbon dioxide to valuable C₂₊ hydrocarbons. Journal of Materials Chemistry A, 2018, 6, 23244-23262.	10.3	144
13	An Introduction of CO₂ Conversion by Dry Reforming with Methane and New Route of Low-Temperature Methanol Synthesis. Accounts of Chemical Research, 2013, 46, 1838-1847.	15.6	137
14	A New Method of Low-Temperature Methanol Synthesis. Journal of Catalysis, 2001, 197, 224-227.	6.2	130
15	One-step synthesis of Hâ€“Î² zeolite-enwrapped Co/Al2O3 Fischerâ€“Tropsch catalyst with high spatial selectivity. Journal of Catalysis, 2009, 265, 26-34.	6.2	126
16	Directly converting carbon dioxide to linear Î±-olefins on bio-promoted catalysts. Communications Chemistry, 2018, 1, .	4.5	123
17	Multiple-Functional Capsule Catalysts: A Tailor-Made Confined Reaction Environment for the Direct Synthesis of Middle Isoparaffins from Syngas. Chemistry - A European Journal, 2006, 12, 8296-8304.	3.3	121
18	Designing a Capsule Catalyst and Its Application for Direct Synthesis of Middle Isoparaffins. Langmuir, 2005, 21, 1699-1702.	3.5	120

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19	Effect of catalytic site position: Nickel nanocatalyst selectively loaded inside or outside carbon nanotubes for methane dry reforming. Fuel, 2013, 108, 430-438.	6.4	120
20	Direct Synthesis of Ethanol from Dimethyl Ether and Syngas over Combined Hâ€Mordenite and Cu/ZnO Catalysts. ChemSusChem, 2010, 3, 1192-1199.	6.8	118
21	Tandem catalytic synthesis of light isoparaffin from syngas via Fischerâ€“Tropsch synthesis by newly developed coreâ€“shell-like zeolite capsule catalysts. Catalysis Today, 2013, 215, 29-35.	4.4	106
22	Direct conversion of CO2 to aromatics with high yield via a modified Fischer-Tropsch synthesis pathway. Applied Catalysis B: Environmental, 2020, 269, 118792.	20.2	106
23	Highly-Dispersed Metallic Ru Nanoparticles Sputtered on H-Beta Zeolite for Directly Converting Syngas to Middle Isoparaffins. ACS Catalysis, 2014, 4, 1-8.	11.2	98
24	Design of a coreâ€“shell catalyst: an effective strategy for suppressing side reactions in syngas for direct selective conversion to light olefins. Chemical Science, 2020, 11, 4097-4105.	7.4	95
25	Three-component hybrid catalyst for direct synthesis of isoparaffin via modified Fischerâ€“Tropsch synthesis. Catalysis Communications, 2003, 4, 108-111.	3.3	90
26	Direct and Oriented Conversion of CO₂ into Valueâ€Added Aromatics. Chemistry - A European Journal, 2019, 25, 5149-5153.	3.3	89
27	Methane reforming with carbon dioxide over mesoporous nickelâ€“alumina composite catalyst. Chemical Engineering Journal, 2013, 221, 25-31.	12.7	85
28	Metal 3D printing technology for functional integration of catalytic system. Nature Communications, 2020, 11, 4098.	12.8	82
29	Ordered mesoporous alumina-supported bimetallic Pdâ€“Ni catalysts for methane dry reforming reaction. Catalysis Science and Technology, 2016, 6, 6542-6550.	4.1	73
30	A new method of bimodal support preparation and its application in Fischerâ€“Tropsch synthesis. Catalysis Communications, 2001, 2, 311-315.	3.3	69
31	Direct CO2 hydrogenation to light olefins by suppressing CO by-product formation. Fuel Processing Technology, 2019, 196, 106174.	7.2	69
32	Direct Conversion of CO₂ to Ethanol Boosted by Intimacy-Sensitive Multifunctional Catalysts. ACS Catalysis, 2021, 11, 11742-11753.	11.2	69
33	Controllable encapsulation of cobalt clusters inside carbon nanotubes as effective catalysts for Fischerâ€“Tropsch synthesis. Catalysis Today, 2013, 215, 24-28.	4.4	66
34	A double-shell capsule catalyst with coreâ€“shell-like structure for one-step exactly controlled synthesis of dimethyl ether from CO2 containing syngas. Catalysis Today, 2011, 171, 229-235.	4.4	65
35	Freezing copper as a noble metalâ€“like catalyst for preliminary hydrogenation. Science Advances, 2018, 4, eaau3275.	10.3	64
36	Highly Ordered Mesoporous Fe₂O₃â€“ZrO₂ Bimetal Oxides for an Enhanced CO Hydrogenation Activity to Hydrocarbons with Their Structural Stability. ACS Catalysis, 2017, 7, 5955-5964.	11.2	63

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37	Facile one-step synthesis of mesoporous Ni-Mg-Al catalyst for syngas production using coupled methane reforming process. Fuel, 2018, 211, 1-10.	6.4	62
38	Tuning interaction between cobalt catalysts and nitrogen dopants in carbon nanospheres to promote Fischer-Tropsch synthesis. Applied Catalysis B: Environmental, 2019, 248, 73-83.	20.2	58
39	Direct synthesis of isoparaffin by modified Fischerâ€“Tropsch synthesis using hybrid catalyst of iron catalyst and zeolite. Catalysis Today, 2005, 104, 37-40.	4.4	55
40	H-type zeolite coated iron-based multiple-functional catalyst for direct synthesis of middle isoparaffins from syngas. Applied Catalysis A: General, 2011, 394, 195-200.	4.3	55
41	Surface Impregnation Combustion Method to Prepare Nanostructured Metallic Catalysts without Further Reduction: As-Burnt Co/SiO₂ Catalysts for Fischerâ€“Tropsch Synthesis. ACS Catalysis, 2011, 1, 1225-1233.	11.2	52
42	Facile synthesis of H-type zeolite shell on a silica substrate for tandem catalysis. Chemical Communications, 2012, 48, 1263-1265.	4.1	51
43	Study on the preparation of Cu/ZnO catalyst by solâ€“gel auto-combustion method and its application for low-temperature methanol synthesis. Applied Catalysis A: General, 2011, 401, 46-55.	4.3	49
44	Design of ultra-active iron-based Fischer-Tropsch synthesis catalysts over spherical mesoporous carbon with developed porosity. Chemical Engineering Journal, 2018, 334, 714-724.	12.7	48
45	Selective Synthesis of Middle Isoparaffins via a Two-Stage Fischerâˆ'Tropsch Reaction:Â Activity Investigation for a Hybrid Catalyst. Industrial & Engineering Chemistry Research, 2005, 44, 769-775.	3.7	47
46	Nitrogen-rich mesoporous carbon supported iron catalyst with superior activity for Fischer-Tropsch synthesis. Carbon, 2018, 130, 304-314.	10.3	47
47	Active and regioselective rhodium catalyst supported on reduced graphene oxide for 1-hexene hydroformylation. Catalysis Science and Technology, 2016, 6, 1162-1172.	4.1	45
48	Promoting effect of noble metals to Co/SiO2 catalysts for hydroformylation of 1-hexene. Catalysis Communications, 2001, 2, 75-80.	3.3	44
49	Combined methane dry reforming and methane partial oxidization for syngas production over high dispersion Ni based mesoporous catalyst. Fuel Processing Technology, 2019, 188, 98-104.	7.2	44
50	Synthesis of isoalkanes over Feâ€“Znâ€“Zr/HY composite catalyst through carbon dioxide hydrogenation. Catalysis Communications, 2007, 8, 1711-1714.	3.3	43
51	Fabrication of active Cuâ€“Zn nanoalloys on H-ZSM5 zeolite for enhanced dimethyl ether synthesis via syngas. Journal of Materials Chemistry A, 2014, 2, 8637.	10.3	43
52	Selective formation of linear-alpha olefins (LAOs) by CO2 hydrogenation over bimetallic Fe/Co-Y catalyst. Catalysis Communications, 2019, 130, 105759.	3.3	42
53	Capsule-like zeolite catalyst fabricated by solvent-free strategy for para-Xylene formation from CO2 hydrogenation. Applied Catalysis B: Environmental, 2022, 303, 120906.	20.2	42
54	Development of platinum-based bimodal pore catalyst for CO2 reforming of CH4. Catalysis Today, 2010, 153, 150-155.	4.4	40

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55	One-Pot Hydrothermal Synthesis of Nitrogen Functionalized Carbonaceous Material Catalysts with Embedded Iron Nanoparticles for CO₂ Hydrogenation. ACS Sustainable Chemistry and Engineering, 2019, 7, 8331-8339.	6.7	40
56	Beyond Cars: Fischerâ€Tropsch Synthesis for Nonâ€Automotive Applications. ChemCatChem, 2019, 11, 1412-1424.	3.7	38
57	Spinel-structure catalyst catalyzing CO₂ hydrogenation to full spectrum alkenes with an ultra-high yield. Chemical Communications, 2020, 56, 9372-9375.	4.1	38
58	A solâ€“gel auto-combustion method to prepare Cu/ZnO catalysts for low-temperature methanol synthesis. Catalysis Science and Technology, 2012, 2, 2569.	4.1	37
59	Insight into solvent-free synthesis of MOR zeolite and its laboratory scale production. Microporous and Mesoporous Materials, 2019, 280, 187-194.	4.4	37
60	Space-Confined Self-Regulation Mechanism from a Capsule Catalyst to Realize an Ethanol Direct Synthesis Strategy. ACS Catalysis, 2020, 10, 1366-1374.	11.2	37
61	Direct syngas conversion to liquefied petroleum gas: Importance of a multifunctional metal-zeolite interface. Applied Energy, 2018, 209, 1-7.	10.1	35
62	PPh3 functionalized Rh/rGO catalyst for heterogeneous hydroformylation: Bifunctional reduction of graphene oxide by organic ligand. Chemical Engineering Journal, 2017, 330, 863-869.	12.7	34
63	Probing Hydrophobization of a Cu/ZnO Catalyst for Suppression of Waterâ€“Gas Shift Reaction in Syngas Conversion. ACS Catalysis, 2021, 11, 4633-4643.	11.2	34
64	Silicalite-1 membrane encapsulated Rh/activated-carbon catalyst for hydroformylation of 1-hexene with high selectivity to normal aldehyde. Journal of Membrane Science, 2010, 347, 220-227.	8.2	33
65	Filter and buffer-pot confinement effect of hollow sphere catalyst for promoted activity and enhanced selectivity. Journal of Materials Chemistry A, 2013, 1, 5670.	10.3	33
66	Jet fuel synthesis via Fischerâ€“Tropsch synthesis with varied 1-olefins as additives using Co/ZrO2â€“SiO2 bimodal catalyst. Fuel, 2016, 171, 159-166.	6.4	33
67	Enhanced Liquid Fuel Production from CO₂ Hydrogenation: Catalytic Performance of Bimetallic Catalysts over a Twoâ€Stage Reactor System. ChemistrySelect, 2018, 3, 13705-13711.	1.5	33
68	Efficient and New Production Methods of Chemicals and Liquid Fuels by Carbon Monoxide Hydrogenation. ACS Omega, 2020, 5, 49-56.	3.5	33
69	Selective Conversion of CO₂ into <i>para</i>â€Xylene over a ZnCr₂O₄â€ZSMâ€5 Catalyst. ChemSusChem, 2020, 13, 6541-6545.	6.8	33
70	Combining wet impregnation and dry sputtering to prepare highly-active CoPd/H-ZSM5 ternary catalysts applied for tandem catalytic synthesis of isoparaffins. Catalysis Science and Technology, 2014, 4, 1260.	4.1	32
71	Citric acid assisted one-step synthesis of highly dispersed metallic Co/SiO2 without further reduction: As-prepared Co/SiO2 catalysts for Fischerâ€“Tropsch synthesis. Catalysis Today, 2014, 228, 206-211.	4.4	32
72	Bifunctional Capsule Catalyst of Al₂O₃@Cu with Strengthened Dehydration Reaction Field for Direct Synthesis of Dimethyl Ether from Syngas. Industrial & Engineering Chemistry Research, 2019, 58, 22905-22911.	3.7	31

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73	A Catalyst for Oneâ€step Isoparaffin Production via Fischerâ€“Tropsch Synthesis: Growth of a Hâ€Mordenite Shell Encapsulating a Fused Iron Core. ChemCatChem, 2013, 5, 3101-3106.	3.7	30
74	Enhancing catalytic performance of activated carbon supported Rh catalyst on heterogeneous hydroformylation of 1-hexene via introducing surface oxygen-containing groups. Applied Catalysis A: General, 2016, 527, 53-59.	4.3	30
75	Macroscopic assembly style of catalysts significantly determining their efficiency for converting CO₂ to gasoline. Catalysis Science and Technology, 2019, 9, 5401-5412.	4.1	30
76	Thermocatalytic hydrogenation of <scp>CO₂</scp> into aromatics by tailorâ€made catalysts: Recent advancements and perspectives. EcoMat, 2021, 3, e12080.	11.9	29
77	Designing a novel dual bed reactor to realize efficient ethanol synthesis from dimethyl ether and syngas. Catalysis Science and Technology, 2018, 8, 2087-2097.	4.1	28
78	Urea-derived Cu/ZnO catalyst being dried by supercritical CO2 for low-temperature methanol synthesis. Fuel, 2020, 268, 117213.	6.4	27
79	Heteroatom doped iron-based catalysts prepared by urea self-combustion method for efficient CO2 hydrogenation. Fuel, 2020, 276, 118102.	6.4	27
80	Boosting liquid hydrocarbons selectivity from CO2 hydrogenation by facilely tailoring surface acid properties of zeolite via a modified Fischer-Tropsch synthesis. Fuel, 2021, 306, 121684.	6.4	26
81	A Capsule Catalyst with a Zeolite Membrane Prepared by Direct Liquid Membrane Crystallization. ChemSusChem, 2012, 5, 862-866.	6.8	25
82	Tuning interactions between zeolite and supported metal by physical-sputtering to achieve higher catalytic performances. Scientific Reports, 2013, 3, 2813.	3.3	25
83	Highly selective and multifunctional Cu/ZnO/Zeolite catalyst for one-step dimethyl ether synthesis: Preparing catalyst by bimetallic physical sputtering. Fuel, 2013, 112, 140-144.	6.4	25
84	Mnâ€“Fe nanoparticles on a reduced graphene oxide catalyst for enhanced olefin production from syngas in a slurry reactor. RSC Advances, 2018, 8, 14854-14863.	3.6	25
85	A Wellâ€Defined Coreâ€“Shellâ€Structured Capsule Catalyst for Direct Conversion of CO₂ into Liquefied Petroleum Gas. ChemSusChem, 2020, 13, 2060-2065.	6.8	23
86	Multi-Promoters Regulated Iron Catalyst with Well-Matching Reverse Water-Gas Shift and Chain Propagation for Boosting CO2 Hydrogenation. Journal of CO2 Utilization, 2021, 52, 101700.	6.8	22
87	A novel low-temperature methanol synthesis method from CO/H2/CO2 based on the synergistic effect between solid catalyst and homogeneous catalyst. Catalysis Today, 2010, 149, 98-104.	4.4	21
88	Surface impregnation combustion method to prepare nanostructured metallic catalysts without further reduction: As-burnt Cuâ€“ZnO/SiO2 catalyst for low-temperature methanol synthesis. Catalysis Today, 2012, 185, 54-60.	4.4	20
89	Realizing efficient carbon dioxide hydrogenation to liquid hydrocarbons by tandem catalysis design. EnergyChem, 2020, 2, 100038.	19.1	20
90	Hierarchical nano-sized ZnZr-Silicalite-1 multifunctional catalyst for selective conversion of ethanol to butadiene. Applied Catalysis B: Environmental, 2022, 301, 120822.	20.2	20

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91	Preparation of hierarchically meso-macroporous hematite Fe2O3 using PMMA as imprint template and its reaction performance for Fischerâ€“Tropsch synthesis. Catalysis Communications, 2011, 13, 44-48.	3.3	19
92	Direct synthesis of liquefied petroleum gas from syngas over H-ZSM-5 enwrapped Pd-based zeolite capsule catalyst. Catalysis Today, 2018, 303, 77-85.	4.4	19
93	Direct Conversion of CO₂ to Aromatics over Kâ€“Znâ€“Fe/ZSM-5 Catalysts via a Fischerâ€“Tropsch Synthesis Pathway. Industrial & Engineering Chemistry Research, 2022, 61, 10336-10346.	3.7	18
94	Green Synthesis of Rice Bran Microsphere Catalysts Containing Natural Biopromoters. ChemCatChem, 2015, 7, 1642-1645.	3.7	17
95	Structure and surface characteristics of Fe-promoted Ni/Al₂O₃ catalysts for hydrogenation of 1,4-butynediol to 1,4-butenediol in a slurry-bed reactor. Catalysis Science and Technology, 2019, 9, 6598-6605.	4.1	17
96	Quick microwave assembling nitrogen-regulated graphene supported iron nanoparticles for Fischer-Tropsch synthesis. Chemical Engineering Journal, 2022, 429, 132063.	12.7	17
97	A hierarchically spherical Co-based zeolite catalyst with aggregated nanorods structure for improved Fischerâ€“Tropsch synthesis reaction activity and isoparaffin selectivity. Microporous and Mesoporous Materials, 2016, 233, 62-69.	4.4	16
98	Effects of surface hydroxyl groups induced by the co-precipitation temperature on the catalytic performance of direct synthesis of isobutanol from syngas. Fuel, 2019, 237, 1021-1028.	6.4	16
99	Isoparaffin-rich gasoline synthesis from DME over Ni-modified HZSM-5. Catalysis Science and Technology, 2016, 6, 8089-8097.	4.1	15
100	An efficient microcapsule catalyst for one-step ethanol synthesis from dimethyl ether and syngas. Fuel, 2021, 283, 118971.	6.4	15
101	Catalytic oligomerization of isobutyl alcohol to jet fuels over dealuminated zeolite Beta. Catalysis Today, 2021, 368, 196-203.	4.4	15
102	Insights into the synergistic effect of active centers over ZnMg/SBA-15 catalysts in direct synthesis of butadiene from ethanol. Reaction Chemistry and Engineering, 2021, 6, 548-558.	3.7	14
103	One-Pot Hydrothermal Synthesis of Multifunctional ZnZrTUD-1 Catalysts for Highly Efficient Direct Synthesis of Butadiene from Ethanol. ACS Sustainable Chemistry and Engineering, 2021, 9, 10569-10578.	6.7	14
104	Transformation of LPG to light olefins on composite HZSM-5/SAPO-5. New Journal of Chemistry, 2021, 45, 4860-4866.	2.8	14
105	LDH-Derived (CuZn)<i>_x</i>Al<i>_y</i> Bifunctional Catalyst for Direct Synthesis of Dimethyl Ether from Syngas. Industrial & Engineering Chemistry Research, 2020, 59, 11087-11097.	3.7	13
106	Iron catalysts supported on nitrogen functionalized carbon for improved CO2 hydrogenation performance. Catalysis Communications, 2021, 149, 106216.	3.3	13
107	Selectively Converting Biomass to Jet Fuel in Largeâ€scale Apparatus. ChemCatChem, 2017, 9, 2668-2674.	3.7	12
108	Fischerâ€“Tropsch synthesis over iron catalysts with corncob-derived promoters. Journal of Energy Chemistry, 2017, 26, 632-638.	12.9	11

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109	Recent advances in multifunctional capsule catalysts in heterogeneous catalysis. Chinese Journal of Chemical Physics, 2018, 31, 393-403.	1.3	9
110	Effects of calcination temperatures on the structureâ€"activity relationship of Niâ€"La/Al₂O₃ catalysts for syngas methanation. RSC Advances, 2020, 10, 4166-4174.	3.6	9
111	Selective direct conversion of aqueous ethanol into butadiene <i>via</i> rational design of multifunctional catalysts. Catalysis Science and Technology, 2022, 12, 2210-2222.	4.1	9
112	Functionalized Natural Carbonâ€Supported Nanoparticles as Excellent Catalysts for Hydrocarbon Production. Chemistry - an Asian Journal, 2017, 12, 366-371.	3.3	7
113	Solvent-free anchoring nano-sized zeolite on layered double hydroxide for highly selective transformation of syngas to gasoline-range hydrocarbons. Fuel, 2019, 253, 249-256.	6.4	7
114	Enhanced Î±-olefins selectivity by promoted CO adsorption on ZrO2@FeCu catalyst. Catalysis Today, 2021, 375, 290-297.	4.4	7
115	A Study on the Effect of pH Value of Impregnation Solution in Nickel Catalyst Preparation for Methane Dry Reforming Reaction. ChemistrySelect, 2019, 4, 8953-8959.	1.5	6
116	NaBH₄<i>Inâ€situ</i> Reduced Cobalt Catalyst Supported on Zeolite A for 1â€Hexene Hydroformylation. ChemistrySelect, 2019, 4, 10447-10451.	1.5	6
117	Catalytic Oligomerization of Isobutyl Alcohol to Hydrocarbon Liquid Fuels over Acidic Zeolite Catalysts. ChemistrySelect, 2020, 5, 528-532.	1.5	6
118	Low-pressure oxygenate synthesis via hydroformylation on promoted cobalt/active carbon catalysts. Catalysis Communications, 2003, 4, 423-427.	3.3	5
119	From Single Metal to Bimetallic Sites: Enhanced Higher Hydrocarbons Yield of CO₂ Hydrogenation over Bimetallic Catalysts. ChemistrySelect, 2021, 6, 5241-5247.	1.5	5
120	Metal 3D Printed Nickelâ€Based Selfâ€Catalytic Reactor for COx Methanation. ChemCatChem, 2022, 14, .	3.7	5
121	Heteroatom Promoted Ni/Al₂O₃ Catalysts for Highly Efficient Hydrogenation of 1,4â€Butynediol to 1,4â€Butenediol. ChemistrySelect, 2020, 5, 10072-10080.	1.5	4
122	Direct Production of Hydrocarbons by Fischer-Tropsch Synthesis Using Newly Designed Catalysts. Journal of the Japan Petroleum Institute, 2020, 63, 239-247.	0.6	4
123	Tunable CO Dissociation Assisted by H₂ over Cobalt Species: A Mechanistic Study by Inâ€situ DRIFTS. ChemCatChem, 2021, 13, 4903-4911.	3.7	4
124	A mini review on recent advances in thermocatalytic hydrogenation of carbon dioxide to value-added chemicals and fuels. , 2022, 1, 230-248.		4
125	Resistance against Carbon Deposition via Controlling Spatial Distance of Catalytic Components in Methane Dehydroaromatization. Catalysts, 2021, 11, 148.	3.5	3
126	Silicalite-1 encapsulated rhodium nanoparticles for hydroformylation of 1-hexene. Catalysis Today, 2023, 410, 150-156.	4.4	3

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127	Probing the promotional roles of lanthanum in physicochemical properties and performance of ZnZr/Si-beta catalyst for direct conversion of aqueous ethanol to butadiene. Catalysis Today, 2022, , .	4.4	2
128	Direct Synthesis of Liquefied Petroleum Gas from Carbon Dioxide Using a Copper/Zinc Oxide/Zirconia/Alumina and HY Zeolite Hybrid Catalyst. ChemistrySelect, 2021, 6, 7103-7110.	1.5	1
129	Model smoke stream adsorption over cellulose acetate stick with three-dimensional temperature gradient by combining in-situ DRIFTS with infrared thermal imaging. Cellulose, 2022, 29, 1883-1895.	4.9	1
130	Novel hybrid alcohol-dominated reaction network for highly selective conversion of CO2 into ethene. Chem Catalysis, 2022, 2, 933-935.	6.1	1
131	Powerful and New Chemical Synthesis Reactions from CO2 and C1 Chemistry Innovated by Tailor-Made Coreâ€“Shell Catalysts. Nanostructure Science and Technology, 2021, , 105-120.	0.1	0
132	Boosting CO Hydrogenation Performance of Facile Organics Modified Iron Oxide/Reduced Graphene Oxide Catalysts. Catalysis Letters, 0, , 1.	2.6	0