Jincan Kang

List of Publications by Year
in descending order

39 papers	5,920 citations	147801 31 h-index	265206 42 g-index
43 all docs	43 docs citations	43 times ranked	4263 citing authors

#	Article	IF	Citations
1	Zn and Na promoted Fe catalysts for sustainable production of high-valued olefins by CO2 hydrogenation. Fuel, 2022, 309, 122105.	6.4	44
2	Iridium boosts the selectivity and stability of cobalt catalysts for syngas to liquid fuels. CheM, 2022, 8, 1050-1066.	11.7	26
3	Selective Transformation of Methanol to Ethanol in the Presence of Syngas over Composite Catalysts. ACS Catalysis, 2022, 12, 8451-8461.	11.2	9
4	Synthesis of hierarchical SAPO-34 to improve the catalytic performance of bifunctional catalysts for syngas-to-olefins reactions. Journal of Catalysis, 2021, 394, 181-192.	6.2	38
5	Functionalized Carbon Materials in Syngas Conversion. Small, 2021, 17, e2007527.	10.0	29
6	Selective hydrogenation of CO2 and CO into olefins over Sodium- and Zinc-Promoted iron carbide catalysts. Journal of Catalysis, 2021, 395, 350-361.	6.2	58
7	Gallium nitride catalyzed the direct hydrogenation of carbon dioxide to dimethyl ether as primary product. Nature Communications, 2021, 12, 2305.	12.8	45
8	The active sites of Cuâ€"ZnO catalysts for water gas shift and CO hydrogenation reactions. Nature Communications, 2021, 12, 4331.	12.8	83
9	Selective Hydrogenation of CO₂ to Ethanol over Sodium-Modified Rhodium Nanoparticles Embedded in Zeolite Silicalite-1. Journal of Physical Chemistry C, 2021, 125, 24429-24439.	3.1	31
10	Functionalized Carbon Materials in Syngas Conversion (Small 48/2021). Small, 2021, 17, 2170256.	10.0	6
11	Highly Active ZnO-ZrO₂ Aerogels Integrated with H-ZSM-5 for Aromatics Synthesis from Carbon Dioxide. ACS Catalysis, 2020, 10, 302-310.	11.2	216
12	Direct conversion of syngas into aromatics over a bifunctional catalyst: inhibiting net CO₂ release. Chemical Communications, 2020, 56, 5239-5242.	4.1	30
13	Tandem Catalysis for Hydrogenation of CO and CO₂ to Lower Olefins with Bifunctional Catalysts Composed of Spinel Oxide and SAPO-34. ACS Catalysis, 2020, 10, 8303-8314.	11.2	157
14	Single-pass transformation of syngas into ethanol with high selectivity by triple tandem catalysis. Nature Communications, 2020, 11, 827.	12.8	156
15	Tuning the interfaces of Coâ€"Co2C with sodium and its relation to the higher alcohol production in Fischerâ€"Tropsch synthesis. Journal of Materials Science, 2020, 55, 9037-9047.	3.7	10
16	Ligand-Controlled Photocatalysis of CdS Quantum Dots for Lignin Valorization under Visible Light. ACS Catalysis, 2019, 9, 8443-8451.	11.2	128
17	Carbon nanotube-supported bimetallic Cu-Fe catalysts for syngas conversion to higher alcohols. Molecular Catalysis, 2019, 479, 110610.	2.0	15
18	New horizon in C1 chemistry: breaking the selectivity limitation in transformation of syngas and hydrogenation of CO₂ into hydrocarbon chemicals and fuels. Chemical Society Reviews, 2019, 48, 3193-3228.	38.1	742

#	Article	IF	Citations
19	Promoting electrocatalytic CO2 reduction to formate via sulfur-boosting water activation on indium surfaces. Nature Communications, 2019, 10, 892.	12.8	446
20	Selective Conversion of Syngas to Aromatics over a Moâˆ'ZrO₂/Hâ€ZSMâ€5 Bifunctional Catalyst. ChemCatChem, 2019, 11, 1681-1688.	3.7	50
21	Beyond Cars: Fischerâ€Tropsch Synthesis for Nonâ€Automotive Applications. ChemCatChem, 2019, 11, 1412-1424.	3.7	38
22	Oxidative Dehydrogenation of Propane to Propylene in the Presence of HCl Catalyzed by CeO₂ and NiO-Modified CeO₂ Nanocrystals. ACS Catalysis, 2018, 8, 4902-4916.	11.2	95
23	Design of efficient bifunctional catalysts for direct conversion of syngas into lower olefins <i>via</i> methanol/dimethyl ether intermediates. Chemical Science, 2018, 9, 4708-4718.	7.4	208
24	Selective transformation of carbon dioxide into lower olefins with a bifunctional catalyst composed of ZnGa₂O₄ and SAPO-34. Chemical Communications, 2018, 54, 140-143.	4.1	265
25	Direct Conversion of Syngas into Methyl Acetate, Ethanol, and Ethylene by Relay Catalysis via the Intermediate Dimethyl Ether. Angewandte Chemie - International Edition, 2018, 57, 12012-12016.	13.8	142
26	Direct Conversion of Syngas into Methyl Acetate, Ethanol, and Ethylene by Relay Catalysis via the Intermediate Dimethyl Ether. Angewandte Chemie, 2018, 130, 12188-12192.	2.0	17
27	Reaction coupling as a promising methodology for selective conversion of syngas into hydrocarbons beyond Fischer-Tropsch synthesis. Science China Chemistry, 2017, 60, 1382-1385.	8.2	15
28	Impact of hierarchical pore structure on the catalytic performances of MFI zeolites modified by ZnO for the conversion of methanol to aromatics. Catalysis Science and Technology, 2017, 7, 3598-3612.	4.1	54
29	Bifunctional Catalysts for One-Step Conversion of Syngas into Aromatics with Excellent Selectivity and Stability. CheM, 2017, 3, 334-347.	11.7	377
30	Advances in Catalysis for Syngas Conversion to Hydrocarbons. Advances in Catalysis, 2017, , 125-208.	0.2	64
31	Direct and Highly Selective Conversion of Synthesis Gas into Lower Olefins: Design of a Bifunctional Catalyst Combining Methanol Synthesis and Carbonâ€"Carbon Coupling. Angewandte Chemie - International Edition, 2016, 55, 4725-4728.	13.8	468
32	Direct and Highly Selective Conversion of Synthesis Gas into Lower Olefins: Design of a Bifunctional Catalyst Combining Methanol Synthesis and Carbonâ€"Carbon Coupling. Angewandte Chemie, 2016, 128, 4803-4806.	2.0	115
33	Impact of Hydrogenolysis on the Selectivity of the Fischerâ€"Tropsch Synthesis: Diesel Fuel Production over Mesoporous Zeoliteâ€Yâ€Supported Cobalt Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 4553-4556.	13.8	195
34	Fischerâ€"Tropsch Catalysts for the Production of Hydrocarbon Fuels with High Selectivity. ChemSusChem, 2014, 7, 1251-1264.	6.8	164
35	Ru particle size effect in Ru/CNT-catalyzed Fischer-Tropsch synthesis. Journal of Energy Chemistry, 2013, 22, 321-328.	12.9	39
36	Mesoporous Zeoliteâ€Supported Ruthenium Nanoparticles as Highly Selective Fischerâ€"Tropsch Catalysts for the Production of C₅â€"C₁₁ Isoparaffins. Angewandte Chemie - International Edition, 2011, 50, 5200-5203.	13.8	243

#	Article	IF	Citations
37	Development of Novel Catalysts for Fischerâ€“Tropsch Synthesis: Tuning the Product Selectivity. ChemCatChem, 2010, 2, 1030-1058.	3.7	665
38	Ruthenium Nanoparticles Supported on Carbon Nanotubes as Efficient Catalysts for Selective Conversion of Synthesis Gas to Diesel Fuel. Angewandte Chemie - International Edition, 2009, 48, 2565-2568.	13.8	241
39	Lithium ion-exchanged zeolite faujasite as support of iron catalyst for Fischer-Tropsch synthesis. Catalysis Letters, 2007, 114, 178-184.	2.6	15