Feng Jiao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2096400/publications.pdf

Version: 2024-02-01

25 papers	2,574 citations	471371 17 h-index	580701 25 g-index
25 all docs	25 docs citations	25 times ranked	2168 citing authors

#	Article	IF	Citations
1	Selective conversion of syngas to light olefins. Science, 2016, 351, 1065-1068.	6.0	1,063
2	Role of Manganese Oxide in Syngas Conversion to Light Olefins. ACS Catalysis, 2017, 7, 2800-2804.	5.5	188
3	Shapeâ€Selective Zeolites Promote Ethylene Formation from Syngas via a Ketene Intermediate. Angewandte Chemie - International Edition, 2018, 57, 4692-4696.	7.2	185
4	Silicon carbide-derived carbon nanocomposite as a substitute for mercury in the catalytic hydrochlorination of acetylene. Nature Communications, 2014, 5, 3688.	5.8	181
5	Oxideâ€“Zeolite-Based Composite Catalyst Concept That Enables Syngas Chemistry beyond Fischerâ€“Tropsch Synthesis. Chemical Reviews, 2021, 121, 6588-6609.	23.0	180
6	Direct conversion of syngas to aromatics. Chemical Communications, 2017, 53, 11146-11149.	2.2	156
7	Size Effects of ZnO Nanoparticles in Bifunctional Catalysts for Selective Syngas Conversion. ACS Catalysis, 2019, 9, 960-966.	5.5	100
8	Highâ€Quality Gasoline Directly from Syngas by Dual Metal Oxideâ€“Zeolite (OXâ€ZEO) Catalysis. Angewandte Chemie - International Edition, 2019, 58, 7400-7404.	7.2	95
9	Tailoring the Oxidation Activity of Pt Nanoclusters via Encapsulation. ACS Catalysis, 2015, 5, 1381-1385.	5.5	61
10	Enhanced aromatic selectivity by the sheet-like ZSM-5 in syngas conversion. Journal of Energy Chemistry, 2019, 35, 44-48.	7.1	58
11	Role of SAPO-18 Acidity in Direct Syngas Conversion to Light Olefins. ACS Catalysis, 2020, 10, 12370-12375.	5.5	47
12	Effects of Proximity-Dependent Metal Migration on Bifunctional Composites Catalyzed Syngas to Olefins. ACS Catalysis, 2021, 11, 9729-9737.	5.5	41
13	Câ^'C Bond Formation in Syngas Conversion over Zinc Sites Grafted on ZSMâ€5 Zeolite. Angewandte Chemie - International Edition, 2020, 59, 6529-6534.	7.2	34
14	Bifunctional zeolites-silver catalyst enabled tandem oxidation of formaldehyde at low temperatures. Nature Communications, 2022, 13, 2209.	5.8	28
15	Shapeâ€Selective Zeolites Promote Ethylene Formation from Syngas via a Ketene Intermediate. Angewandte Chemie, 2018, 130, 4782-4786.	1.6	27
16	Selective conversion of syngas to propane over ZnCrO -SSZ-39 OX-ZEO catalysts. Journal of Energy Chemistry, 2019, 36, 141-147.	7.1	26
17	Steering the reaction pathway of syngas-to-light olefins with coordination unsaturated sites of ZnGaOx spinel. Nature Communications, 2022, 13, 2742.	5.8	24
18	Selective synthesis of para-xylene and light olefins from CO₂/H₂ in the presence of toluene. Catalysis Science and Technology, 2021, 11, 4521-4528.	2.1	18

#	Article	IF	Citations
19	Highâ€Quality Gasoline Directly from Syngas by Dual Metal Oxideâ€“Zeolite (OXâ€ZEO) Catalysis. Angewandte Chemie, 2019, 131, 7478-7482.	1.6	15
20	A mechanistic study of syngas conversion to light olefins over OXZEO bifunctional catalysts: insights into the initial carbonâ€“carbon bond formation on the oxide. Catalysis Science and Technology, 2022, 12, 1289-1295.	2.1	13
21	Direct Synthesis of Isoparaffin-rich Gasoline from Syngas. ACS Energy Letters, 2022, 7, 1462-1468.	8.8	11
22	Insights into the Site-Selective Adsorption of Methanol and Water in Mordenite Zeolite by ¹²⁹Xe NMR Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 17368-17374.	1.5	9
23	Câ^'C Bond Formation in Syngas Conversion over Zinc Sites Grafted on ZSMâ€5 Zeolite. Angewandte Chemie, 2020, 132, 6591-6596.	1.6	5
24	Modulated hydrocarbon distribution of gasoline deriving from butene conversion in the presence of syngas. Journal of Energy Chemistry, 2022, , .	7.1	5
25	Probing active species for CO hydrogenation over ZnCr2O4 catalysts. Chinese Journal of Catalysis, 2022, 43, 2017-2025.	6.9	4