Yuebing Xu

List of Publications by Year in descending order

61 papers	2,476 citations	186265 28 h-index	206112 48 g-index
61 all docs	61 docs citations	61 times ranked	1738 citing authors

#	Article	IF	Citations
1	Identifying the crucial role of water and chloride for efficient mild oxidation of methane to methanol over a [Cu2(Î¼-O)]2+-ZSM-5 catalyst. Journal of Catalysis, 2022, 405, 1-14.	6.2	19
2	Insight into the anti-coking ability of NiM/SiO2 (M=ZrO2, Ru) catalyst for dry reforming of CH4 to syngas. International Journal of Hydrogen Energy, 2022, 47, 2268-2278.	7.1	12
3	Dependence of copper particle size and interface on methanol and CO formation in CO₂ hydrogenation over Cu@ZnO catalysts. Catalysis Science and Technology, 2022, 12, 551-564.	4.1	33
4	Development of catalysts for direct non-oxidative methane aromatization. , 2022, 1, 80-92.		2
5	Stable co-production of olefins and aromatics from ethane over Co²⁺-exchanged HZSM-5 zeolite. Catalysis Science and Technology, 2022, 12, 3716-3726.	4.1	4
6	Insights into Fe Species Structureâ€Performance Relationship for Direct Methane Conversion toward Oxygenates over Feâ€MOR Catalysts. ChemCatChem, 2022, 14, .	3.7	4
7	Catalytic Activity for CO₂ Hydrogenation is Linearly Dependent on Generated Oxygen Vacancies over CeO₂â€Supported Pd Catalysts. ChemCatChem, 2022, 14, .	3.7	13
8	Pore-Confined and Diffusion-Dependent Olefin Catalytic Cracking for the Production of Propylene over SAPO Zeolites. Industrial & Engineering Chemistry Research, 2022, 61, 7760-7776.	3.7	7
9	Fischer-Tropsch synthesis to lower Î±-olefins over cobalt-based catalysts: Dependence of the promotional effect of promoter on supports. Catalysis Today, 2021, 369, 158-166.	4.4	16
10	Effect of kaolinites modified with Zr and transition metals on the pyrolysis behaviors of low-rank coal and its model compound. Journal of the Energy Institute, 2021, 95, 41-51.	5.3	7
11	Tuning the Lewis acidity of ZrO₂ for efficient conversion of CH₄ and CO₂ into acetic acid. New Journal of Chemistry, 2021, 45, 8978-8985.	2.8	9
12	Sodium-Mediated Bimetallic Feâ€“Ni Catalyst Boosts Stable and Selective Production of Light Aromatics over HZSM-5 Zeolite. ACS Catalysis, 2021, 11, 3553-3574.	11.2	50
13	Identification of atomically dispersed Fe-oxo species as new active sites in HZSM-5 for efficient non-oxidative methane dehydroaromatization. Journal of Catalysis, 2021, 396, 224-241.	6.2	25
14	Unraveling Reactivity Descriptors and Structure Sensitivity in Low-Temperature NH₃-SCR Reaction over CeTiO_x Catalysts: A Combined Computational and Experimental Study. ACS Catalysis, 2021, 11, 7613-7636.	11.2	75
15	Suppressing Câ€“C Bond Dissociation for Efficient Ethane Dehydrogenation over the Isolated Co(II) Sites in SAPO-34. ACS Catalysis, 2021, 11, 13001-13019.	11.2	29
16	Investigation of the deactivation behavior of Co catalysts in Fischerâ€“Tropsch synthesis using encapsulated Co nanoparticles with controlled SiO2 shell layer thickness. Catalysis Science and Technology, 2020, 10, 1182-1192.	4.1	21
17	Insight into the active site and reaction mechanism for selective oxidation of methane to methanol using H₂O₂ on a Rh₁/ZrO₂ catalyst. New Journal of Chemistry, 2020, 44, 1632-1639.	2.8	20
18	Experimental investigation of the promotion effect of CO on catalytic behavior of Mo/HZSM-5 catalyst in CH4 dehydroaromatization at 1073ÂK. Fuel, 2020, 262, 116674.	6.4	15

#	Article	IF	Citations
19	Catalytic cracking of coal-tar model compounds over ZrO2/Al2O3 and Ni-Ce/Al2O3 catalysts under steam atmosphere. Fuel, 2020, 263, 116763.	6.4	24
20	Insights into the Influence of CeO₂Crystal Facet on CO₂Hydrogenation to Methanol over Pd/CeO₂Catalysts. ACS Catalysis, 2020, 10, 11493-11509.	11.2	391
21	CH₄ conversion over Ni/HZSM-5 catalyst in the absence of oxygen: decomposition or dehydroaromatization?. Chemical Communications, 2020, 56, 4396-4399.	4.1	28
22	Structural evolution of large Fe₃O₄ microspheres on graphene oxide for efficient conversion of syngas into Î±-olefins. New Journal of Chemistry, 2020, 44, 4987-4991.	2.8	2
23	Particle-Size-Dependent Methane Selectivity Evolution in Cobalt-Based Fischerâ€“Tropsch Synthesis. ACS Catalysis, 2020, 10, 2799-2816.	11.2	46
24	Probing cobalt localization on HZSM-5 for efficient methane dehydroaromatization catalysts. Journal of Catalysis, 2020, 387, 102-118.	6.2	43
25	Experimental Investigation on the Two-Sided Effect of Acidic HZSM-5 on the Catalytic Performance of Composite Fe-Based Fischerâ€“Tropsch Catalysts and HZSM-5 Zeolite in the Production of Aromatics from CO₂/H₂. Industrial & Engineering Chemistry Research, 2020, 59, 8581-8591.	3.7	31
26	Distinguishing external and internal coke depositions on micron-sized HZSM-5 via catalyst-assisted temperature-programmed oxidation. New Journal of Chemistry, 2019, 43, 13938-13946.	2.8	14
27	Selective production of aromatics from CO₂. Catalysis Science and Technology, 2019, 9, 593-610.	4.1	120
28	Direct production of aromatics from syngas over a hybrid FeMn Fischerâ€“Tropsch catalyst and HZSM-5 zeolite: local environment effect and mechanism-directed tuning of the aromatic selectivity. Catalysis Science and Technology, 2019, 9, 3933-3946.	4.1	41
29	Insight into the Intrinsic Active Site for Selective Production of Light Olefins in Cobalt-Catalyzed Fischerâ€“Tropsch Synthesis. ACS Catalysis, 2019, 9, 7073-7089.	11.2	60
30	Assessing the formation of cobalt carbide and its catalytic performance under realistic reaction conditions and tuning product selectivity in a cobalt-based FTS reaction. Catalysis Science and Technology, 2019, 9, 3238-3258.	4.1	32
31	A Facile Fabrication of Supported Ni/SiO2 Catalysts for Dry Reforming of Methane with Remarkably Enhanced Catalytic Performance. Catalysts, 2019, 9, 183.	3.5	17
32	Selective mild oxidation of methane to methanol or formic acid on Feâ€“MOR catalysts. Catalysis Science and Technology, 2019, 9, 6946-6956.	4.1	29
33	Unravelling the structure-performance relationship over iron-based Fischer-Tropsch synthesis by depositing the iron carbonyl in syngas on SiO2 in a fixed-bed reactor. Applied Catalysis A: General, 2019, 572, 197-209.	4.3	8
34	Investigation on converting 1-butene and ethylene into propene via metathesis reaction over W-based catalysts. RSC Advances, 2018, 8, 8372-8384.	3.6	21
35	Supported Fe/MnO_x catalyst with Ag doping for remarkably enhanced catalytic activity in Fischerâ€“Tropsch synthesis. Catalysis Science and Technology, 2018, 8, 1953-1970.	4.1	38
36	Conversion of syngas toward aromatics over hybrid Fe-based Fischer-Tropsch catalysts and HZSM-5 zeolites. Applied Catalysis A: General, 2018, 552, 168-183.	4.3	82

#	Article	IF	Citations
37	CO₂ formation mechanism in Fischerâ€“Tropsch synthesis over iron-based catalysts: a combined experimental and theoretical study. Catalysis Science and Technology, 2018, 8, 5288-5301.	4.1	45
38	Hydrogenation of CO₂ into hydrocarbons: enhanced catalytic activity over Fe-based Fischerâ€“Tropsch catalysts. Catalysis Science and Technology, 2018, 8, 4097-4107.	4.1	123
39	A binder-free fluidizable Mo/HZSM-5 catalyst for non-oxidative methane dehydroaromatization in a dual circulating fluidized bed reactor system. Catalysis Today, 2017, 279, 115-123.	4.4	16
40	Insights into the influence of support and potassium or sulfur promoter on iron-based Fischerâ€“Tropsch synthesis: understanding the control of catalytic activity, selectivity to lower olefins, and catalyst deactivation. Catalysis Science and Technology, 2017, 7, 1245-1265.	4.1	98
41	Coke accumulation and deactivation behavior of microzeolite-based Mo/HZSM-5 in the non-oxidative methane aromatization under cyclic CH 4 -H 2 feed switch mode. Applied Catalysis A: General, 2017, 530, 12-20.	4.3	45
42	Investigation of the highly tunable selectivity to linear Î±-olefins in Fischerâ€“Tropsch synthesis over silica-supported Co and CoMn catalysts by carburizationâ€“reduction pretreatment. Catalysis Science and Technology, 2017, 7, 4736-4755.	4.1	53
43	Ironâ€Based Fischerâ€“Tropsch Synthesis for the Efficient Conversion of Carbon Dioxide into Isoparaffins. ChemCatChem, 2016, 8, 1303-1307.	3.7	80
44	NGU: Development of a twoâ€bed circulating fluidized bed reactor system for nonoxidative aromatization of methane over Mo/HZSMâ€5 catalyst. Environmental Progress and Sustainable Energy, 2016, 35, 325-333.	2.3	13
45	Particle size effects in the selective hydrogenation of cinnamaldehyde over supported palladium catalysts. RSC Advances, 2016, 6, 75541-75551.	3.6	66
46	Effect of Bed Height on the Performance of a Fixed Mo/HZSMâ€5 Bed in Direct Aromatization of Methane. Chemical Engineering and Technology, 2016, 39, 2059-2065.	1.5	8
47	The distribution of coke formed over a multilayer Mo/HZSM-5 fixed bed in H2 co-fed methane aromatization at 1073 K: Exploration of the coking pathway. Journal of Catalysis, 2015, 330, 261-272.	6.2	61
48	MCM-41 supported CuO/Bi2O3 nanoparticles as potential catalyst for 1,4-butynediol synthesis. Ceramics International, 2014, 40, 3969-3973.	4.8	17
49	A clue to exploration of the pathway of coke formation on Mo/HZSM-5 catalyst in the non-oxidative methane dehydroaromatization at 1073K. Applied Catalysis A: General, 2014, 482, 387-396.	4.3	62
50	Mechanism of Fe additive improving the activity stability of microzeolite-based Mo/HZSM-5 catalyst in non-oxidative methane dehydroaromatization at 1073 K under periodic CH₄â€“H₂switching modes. Catalysis Science and Technology, 2014, 4, 3644-3656.	4.1	13
51	Effect of superficial velocity on the coking behavior of a nanozeolite-based Mo/HZSM-5 catalyst in the non-oxidative CH4 dehydroaromatization at 1073 K. Catalysis Science and Technology, 2013, 3, 2769.	4.1	24
52	Comparison of the activity stabilities of nanosized and microsized zeolites based Feâ€“Mo/HZSM-5 catalysts in the non-oxidative CH4 dehydroaromatization under periodic CH4â€“H2 switching operation at 1073K. Applied Catalysis A: General, 2013, 452, 105-116.	4.3	35
53	Performance of a binder-free, spherical-shaped Mo/HZSM-5 catalyst in the non-oxidative CH4 dehydroaromatization in fixed- and fluidized-bed reactors under periodic CH4â€“H2 switch operation. Chemical Engineering and Processing: Process Intensification, 2013, 72, 90-102.	3.6	21
54	Comparison of the activities of binder-added and binder-free Mo/HZSM-5 catalysts in methane dehydroaromatization at 1073 K in periodic CH4-H2 switch operation mode. Journal of Natural Gas Chemistry, 2012, 21, 729-744.	1.8	23

#	Article	IF	Citations
55	Improving effect of Fe additive on the catalytic stability of Mo/HZSM-5 in the methane dehydroaromatization. Catalysis Today, 2012, 185, 41-46.	4.4	46
56	Experimental evidence for three rate-controlling regions of the non-oxidative methane dehydroaromatization over Mo/HZSM-5 catalyst at 1073 K. Catalysis Science and Technology, 2011, 1, 823.	4.1	26
57	Effect of transition metal additives on the catalytic stability of Mo/HZSM-5 in the methane dehydroaromatization under periodic CH4â€“H2 switch operation at 1073K. Applied Catalysis A: General, 2011, 409-410, 181-193.	4.3	62
58	The catalytic stability of Mo/HZSM-5 in methane dehydroaromatization at severe and periodic CH4â€“H2 switch operating conditions. Chemical Engineering Journal, 2011, 168, 390-402.	12.7	60
59	The effect of zeolite particle size on the activity of Mo/HZSM-5 in non-oxidative methane dehydroaromatization. Applied Catalysis A: General, 2011, 393, 348-358.	4.3	61
60	A rapid and effective method for evaluating the initial activity of Mo/HZSM-5 catalyst in the methane dehydroaromatization reaction at severe conditions. Catalysis Communications, 2010, 12, 127-131.	3.3	14
61	Dehydrogenation of n-butane over vanadia catalysts supported on silica gel. Journal of Natural Gas Chemistry, 2009, 18, 88-93.	1.8	16