Burtron H Davis

List of Publications by Year
in descending order

269	14,266	15466 65	24915 109
papers	citations	h-index	g-index

281	281	281	8121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fischerâ€“Tropsch synthesis: support, loading, and promoter effects on the reducibility of cobalt catalysts. Applied Catalysis A: General, 2002, 233, 263-281.	2.2	757
2	Production of Hydrogen from Ethanol: Review of Reaction Mechanism and Catalyst Deactivation. Chemical Reviews, 2012, 112, 4094-4123.	23.0	640
3	Fischerâ€“Tropsch synthesis: Temperature programmed EXAFS/XANES investigation of the influence of support type, cobalt loading, and noble metal promoter addition to the reduction behavior of cobalt oxide particles. Applied Catalysis A: General, 2007, 333, 177-191.	2.2	302
4	Fischerâ€“Tropsch Synthesis: Reaction mechanisms for iron catalysts. Catalysis Today, 2009, 141, 25-33.	2.2	241
5	Fischerâ€“Tropsch synthesis: current mechanism and futuristic needs. Fuel Processing Technology, 2001, 71, 157-166.	3.7	239
6	Fischerâˆ’Tropsch Synthesis:â€‰ Comparison of Performances of Iron and Cobalt Catalysts. Industrial & Engineering Chemistry Research, 2007, 46, 8938-8945.	1.8	233
7	Fischerâ€“Tropsch synthesis: deactivation of noble metal-promoted Co/Al2O3 catalysts. Applied Catalysis A: General, 2002, 233, 215-226.	2.2	231
8	Low temperature waterâ€“gas shift: in situ DRIFTS-reaction study of ceria surface area on the evolution of formates on Pt/CeO2 fuel processing catalysts for fuel cell applications. Applied Catalysis A: General, 2003, 252, 107-118.	2.2	228
9	Fischerâ€“Tropsch synthesis: characterization and catalytic properties of rhenium promoted cobalt alumina catalystsâ†. Fuel, 2003, 82, 805-815.	3.4	226
10	Water-gas shift: comparative screening of metal promoters for metal/ceria systems and role of the metal. Applied Catalysis A: General, 2004, 258, 203-214.	2.2	214
11	Study of catalyst deactivation and reaction mechanism of steam reforming, partial oxidation, and oxidative steam reforming of ethanol over Co/CeO2 catalyst. Journal of Catalysis, 2009, 268, 268-281.	3.1	213
12	Low-Temperature Water-Gas Shift:Â In-Situ DRIFTSâˆ’Reaction Study of a Pt/CeO2Catalyst for Fuel Cell Reformer Applications. Journal of Physical Chemistry B, 2003, 107, 10398-10404.	1.2	206
13	Fischerâ€“Tropsch synthesis: A review of the effect of CO conversion on methane selectivity. Applied Catalysis A: General, 2014, 470, 250-260.	2.2	203
14	CO and CO2 hydrogenation study on supported cobalt Fischerâ€“Tropsch synthesis catalysts. Catalysis Today, 2002, 71, 411-418.	2.2	191
15	Fischerâ€“Tropsch synthesis: study of the promotion of Re on the reduction property of Co/Al2O3 catalysts by in situ EXAFS/XANES of Co K and Re LIII edges and XPS. Applied Catalysis A: General, 2004, 264, 203-212.	2.2	190
16	Role of Keto Intermediates in the Hydrodeoxygenation of Phenol over Pd on Oxophilic Supports. ACS Catalysis, 2015, 5, 1318-1329.	5.5	186
17	Fischerâ€“Tropsch synthesis: Overview of reactor development and future potentialities. Topics in Catalysis, 2005, 32, 143-168.	1.3	183
18	Hydrogenation of Carbon Dioxide over Coâ€“Fe Bimetallic Catalysts. ACS Catalysis, 2016, 6, 913-927.	5.5	175

#	Article	IF	Citations
19	Low temperature waterâ€“gas shift: Characterization and testing of binary mixed oxides of ceria and zirconia promoted with Pt. Applied Catalysis A: General, 2006, 303, 35-47.	2.2	159
20	Fischerâ€“Tropsch synthesis: effect of water on the deactivation of Pt promoted Co/Al2O3 catalysts. Applied Catalysis A: General, 2002, 228, 203-212.	2.2	157
21	Fischerâ€“Tropsch synthesis XAFS. Applied Catalysis A: General, 2003, 247, 335-343.	2.2	149
22	Evaluation of the performance of Ni/La2O3 catalyst prepared from LaNiO3 perovskite-type oxides for the production of hydrogen through steam reforming and oxidative steam reforming of ethanol. Applied Catalysis A: General, 2010, 377, 181-190.	2.2	147
23	Fischerâ€“Tropsch synthesis: effect of water on the catalytic properties of a Co/SiO2 catalyst. Applied Catalysis A: General, 2002, 236, 67-76.	2.2	145
24	Fischerâ€“Tropsch synthesis: Activity of metallic phases of cobalt supported on silica. Catalysis Today, 2013, 215, 13-17.	2.2	142
25	Fischerâ€“Tropsch synthesis: effect of water on Co/Al2O3 catalysts and XAFS characterization of reoxidation phenomena. Applied Catalysis A: General, 2004, 270, 65-76.	2.2	138
26	Fischerâˆ’Tropsch Synthesis: An In-Situ TPR-EXAFS/XANES Investigation of the Influence of Group I Alkali Promoters on the Local Atomic and Electronic Structure of Carburized Iron/Silica Catalysts. Journal of Physical Chemistry C, 2010, 114, 7895-7903.	1.5	138
27	Effect of Zirconia Morphology on Hydrodeoxygenation of Phenol over Pd/ZrO₂. ACS Catalysis, 2015, 5, 7385-7398.	5.5	137
28	Identification of tetragonal and cubic structures of zirconia using synchrotron x-radiation source. Journal of Materials Research, 1991, 6, 1287-1292.	1.2	136
29	Fischerâ€“Tropsch Synthesis: Characterization and Reaction Testing of Cobalt Carbide. ACS Catalysis, 2011, 1, 1581-1588.	5.5	129
30	Influence of Gas Feed Composition and Pressure on the Catalytic Conversion of CO₂to Hydrocarbons Using a Traditional Cobalt-Based Fischerâˆ’Tropsch Catalyst. Energy & Fuels, 2009, 23, 4190-4195.	2.5	125
31	Effect of Potassium Promotion on Iron-Based Catalysts for Fischerâ€“Tropsch Synthesis. Journal of Catalysis, 1998, 180, 36-43.	3.1	121
32	Overview of reactors for liquid phase Fischerâ€“Tropsch synthesis. Catalysis Today, 2002, 71, 249-300.	2.2	121
33	Steam and CO2 reforming of ethanol over Rh/CeO2 catalyst. Applied Catalysis B: Environmental, 2011, 102, 94-109.	10.8	120
34	Effect of pH on Crystal Phase of ZrO2Precipitated from Solution and Calcined at 600Â°C. Journal of the American Ceramic Society, 1984, 67, C-168-C-168.	1.9	115
35	Activation Study of Precipitated Iron Fischerâˆ’Tropsch Catalysts. Energy & Fuels, 1996, 10, 921-926.	2.5	112
36	Kinetic Model of Fischerâ€“Tropsch Synthesis in a Slurry Reactor on Coâ€“Re/Al₂O₃ Catalyst. Industrial & Engineering Chemistry Research, 2013, 52, 669-679.	1.8	110

#	Article	IF	Citations
37	Alkane dehydrocyclization mechanism. Catalysis Today, 1999, 53, 443-516.	2.2	108
38	Water-gas shift: in situ spectroscopic studies of noble metal promoted ceria catalysts for CO removal in fuel cell reformers and mechanistic implications. Applied Catalysis A: General, 2004, 262, 177-187.	2.2	105
39	Low temperature water-gas shift: Characterization of Pt-based ZrO2 catalyst promoted with Na discovered by combinatorial methods. Applied Catalysis A: General, 2007, 319, 47-57.	2.2	99
40	Fischerâ€“Tropsch synthesis: Effect of Pd, Pt, Re, and Ru noble metal promoters on the activity and selectivity of a 25%Co/Al2O3 catalyst. Applied Catalysis A: General, 2012, 437-438, 1-9.	2.2	99
41	Structural analysis of unpromoted Fe-based Fischerâ€“Tropsch catalysts using X-ray absorption spectroscopy. Applied Catalysis A: General, 2001, 219, 215-222.	2.2	96
42	Water-gas shift: an examination of Pt promoted MgO and tetragonal and monoclinic ZrO2 by in situ drifts. Applied Catalysis B: Environmental, 2005, 59, 45-56.	10.8	95
43	Low temperature water-gas shift: kinetic isotope effect observed for decomposition of surface formates for Pt/ceria catalysts. Applied Catalysis A: General, 2004, 269, 63-73.	2.2	94
44	Low temperature waterâ€“gas shift: The effect of alkali doping on the CH bond of formate over Pt/ZrO2 catalysts. Applied Catalysis A: General, 2007, 328, 14-26.	2.2	94
45	Group 11 (Cu, Ag, Au) promotion of 15%Co/Al2O3 Fischerâ€“Tropsch synthesis catalysts. Applied Catalysis A: General, 2009, 361, 137-151.	2.2	92
46	Fischerâ€“Tropsch synthesis: effect of water on the catalytic properties of a ruthenium promoted Co/TiO2 catalyst. Applied Catalysis A: General, 2002, 233, 255-262.	2.2	90
47	Crystallization and Phase Transformation Process in Zirconia: An in situ High-Temperature X-ray Diffraction Study. Journal of the American Ceramic Society, 1992, 75, 1217-1222.	1.9	87
48	Low temperature water-gas shift: Examining the efficiency of Au as a promoter for ceria-based catalysts prepared by CVD of a Au precursor. Applied Catalysis A: General, 2005, 292, 229-243.	2.2	87
49	Low temperature water gas shift: the link between the catalysis of WGS and formic acid decomposition over Pt/ceria. International Journal of Hydrogen Energy, 2005, 30, 1265-1276.	3.8	84
50	Fischerâ˜Tropsch Synthesis:â€‰ Kinetics and Effect of Water for a Co/SiO2Catalyst. Energy & Fuels, 2005, 19, 1430-1439.	2.5	84
51	Fischer-Tropsch synthesis: study of the promotion of Pt on the reduction property of Co/Al2O3catalysts byin situEXAFS of CoKand PtLIIIedges and XPS. Journal of Synchrotron Radiation, 2004, 11, 414-422.	1.0	81
52	Fischerâ€“Tropsch: Product Selectivityâ€“The Fingerprint of Synthetic Fuels. Catalysts, 2019, 9, 259.	1.6	80
53	Fischerâ€“Tropsch synthesis: Effect of CO2 containing syngas over Pt promoted Co/Î³-Al2O3 and K-promoted Fe catalysts. Catalysis Communications, 2011, 12, 936-939.	1.6	77
54	Fischerâ€“Tropsch Synthesis: Influence of CO Conversion on Selectivities, H2/CO Usage Ratios, and Catalyst Stability for a Ru Promoted Co/Al2O3 Catalyst Using a Slurry Phase Reactor. Topics in Catalysis, 2011, 54, 757-767.	1.3	76

#	Article	IF	Citations
55	Fischer-Tropsch Synthesis. Catalysis Today, 2009, 140, 127-134.	2.2	74
56	Reverse water-gas shift reaction: steady state isotope switching study of the reverse water-gas shift reaction using in situ DRIFTS and a Pt/ceria catalyst. Applied Catalysis A: General, 2005, 284, 31-38.	2.2	73
57	Fischerâ€“Tropsch synthesis: Support and cobalt cluster size effects on kinetics over Co/Al2O3 and Co/SiO2 catalysts. Fuel, 2011, 90, 756-765.	3.4	73
58	Activity and selectivity of precipitated iron Fischer-Tropsch catalysts. Catalysis Today, 1997, 36, 325-334.	2.2	72
59	Critical Particle Size and Phase Transformation in Zirconia: Transmission Electron Microscopy and X-ray Diffraction Studies. Journal of the American Ceramic Society, 1990, 73, 3528-3530.	1.9	71
60	Fischer-Tropsch synthesis: carbon-14 tracer study of alkene incorporation. Energy & Fuels, 1990, 4, 94-99.	2.5	71
61	Fischerâ€“Tropsch Synthesis: Morphology, Phase Transformation and Particle Size Growth of Nano-scale Particles. Catalysis Letters, 2007, 117, 1-17.	1.4	70
62	The effect of support reducibility on the stability of Co/CeO2 for the oxidative steam reforming of ethanol. Catalysis Today, 2011, 164, 234-239.	2.2	70
63	Effect of process conditions on the product distribution of Fischerâ€“Tropsch synthesis over a Re-promoted cobalt-alumina catalyst using a stirred tank slurry reactor. Journal of Catalysis, 2014, 311, 325-338.	3.1	69
64	CO-insertion mechanism based kinetic model of the Fischerâ€“Tropsch synthesis reaction over Re-promoted Co catalyst. Catalysis Today, 2014, 228, 32-39.	2.2	68
65	Fischerâ€“Tropsch synthesis: The paraffin to olefin ratio as a function of carbon number. Catalysis Today, 2005, 106, 129-131.	2.2	67
66	Fischerâ€“Tropsch synthesis: accounting for chain-length related phenomena. Applied Catalysis A: General, 2004, 277, 61-69.	2.2	66
67	New approaches to improving catalyst stability over Pt/ceria during ethanol steam reforming: Sn addition and CO2 co-feeding. Applied Catalysis B: Environmental, 2010, 96, 387-398.	10.8	66
68	Inâ€…Vivo Processing of Ceria Nanoparticles inside Liver: Impact on Freeâ€Radical Scavenging Activity and Oxidative Stress. ChemPlusChem, 2014, 79, 1083-1088.	1.3	65
69	Fischer-Tropsch synthesis: Effect of pretreatment conditions of cobalt on activity and selectivity for hydrogenation of carbon dioxide. Applied Catalysis A: General, 2015, 499, 39-46.	2.2	65
70	Hydrodeoxygenation of phenol over zirconia supported Pd bimetallic catalysts. The effect of second metal on catalyst performance. Applied Catalysis B: Environmental, 2018, 232, 213-231.	10.8	65
71	Increased CO2 hydrogenation to liquid products using promoted iron catalysts. Journal of Catalysis, 2019, 369, 239-248.	3.1	65
72	Fischerâ€“Tropsch synthesis: supercritical conversion using a Co/Al2O3 catalyst in a fixed bed reactorâ˜†. Fuel, 2003, 82, 1251-1260.	3.4	64

#	Article	IF	Citations
73	In situ DRIFTS investigation of the steam reforming of methanol over Pt/ceria. Applied Catalysis A: General, 2005, 285, 43-49.	2.2	64
74	Fischer-Tropsch synthesis over iron-based catalysts in a slurry reactor. Reaction rates, selectivities and implications for improving hydrocarbon productivity. Catalysis Today, 1997, 36, 335-345.	2.2	63
75	Paraffin dehydrocyclization. Journal of Catalysis, 1969, 15, 363-372.	3.1	62
76	Fischerâ€“Tropsch synthesis: Comparisons between Pt and Ag promoted Co/Al2O3 catalysts for reducibility, local atomic structure, catalytic activity, and oxidationâ€“reduction (OR) cycles. Applied Catalysis A: General, 2013, 464-465, 165-180.	2.2	62
77	Low temperature water gas shift: Type and loading of metal impacts forward decomposition of pseudo-stabilized formate over metal/ceria catalysts. Catalysis Today, 2005, 106, 259-264.	2.2	60
78	Fischerâ€“Tropsch synthesis: induction and steady-state activity of high-alpha potassium promoted iron catalysts. Applied Catalysis A: General, 2003, 239, 111-120.	2.2	59
79	Impact of Copper on an Alkali Promoted Iron Fischerâ€“Tropsch Catalyst. Catalysis Letters, 2004, 94, 1-6.	1.4	58
80	Low temperature waterâ€“gas shift: Applications of a modified SSITKAâ€“DRIFTS method under conditions of H2 co-feeding over metal/ceria and related oxides. Applied Catalysis A: General, 2007, 333, 192-201.	2.2	58
81	Low Temperature Waterâ€“Gas Shift: Alkali Doping to Facilitate Formate Câ€“H Bond Cleaving over Pt/Ceria Catalystsâ€”An Optimization Problem. Catalysis Letters, 2008, 120, 166-178.	1.4	58
82	Fischerâ€“Tropsch synthesis: Metalâ€“support interfacial contact governs oxygenates selectivity over CeO2 supported Ptâ€“Co catalysts. Applied Catalysis A: General, 2011, 393, 17-23.	2.2	58
83	Fischerâ€“Tropsch synthesis: Water effects on Co supported on narrow and wide-pore silica. Applied Catalysis A: General, 2005, 289, 135-142.	2.2	57
84	Low Temperature Waterâ€“Gas Shift/Methanol Steam Reforming: Alkali Doping to Facilitate the Scission of Formate and Methoxy Câ€“H Bonds over Pt/ceria Catalyst. Catalysis Letters, 2008, 122, 9-19.	1.4	57
85	Hydrodeoxygenation of Phenol over Zirconiaâ€Supported Catalysts: The Effect of Metal Type on Reaction Mechanism and Catalyst Deactivation. ChemCatChem, 2017, 9, 2850-2863.	1.8	57
86	Fischerâˆ’Tropsch Synthesis: Influence of Mn on the Carburization Rates and Activities of Fe-Based Catalysts by TPR-EXAFS/XANES and Catalyst Testing. Journal of Physical Chemistry C, 2011, 115, 4783-4792.	1.5	56
87	The application of synchrotron methods in characterizing iron and cobalt Fischerâ€“Tropsch synthesis catalysts. Catalysis Today, 2013, 214, 100-139.	2.2	55
88	MÃ¶ssbauer Study of Iron Fischerâˆ’Tropsch Catalysts during Activation and Synthesis. Energy & Fuels, 1996, 10, 546-551.	2.5	53
89	Effect of CO Conversion on the Product Distribution of a Co/Al2O3 Fischerâ€“Tropsch Synthesis Catalyst Using a Fixed Bed Reactor. Catalysis Letters, 2012, 142, 1382-1387.	1.4	53
90	Surface interfaces in low temperature water-gas shift: The metal oxide synergy, the assistance of co-adsorbed water, and alkali doping. International Journal of Hydrogen Energy, 2010, 35, 3522-3536.	3.8	51

#	Article	IF	Citations
91	Fischerâ€“Tropsch Synthesis: Kinetics and Water Effect on Methane Formation over 25%Co/Î³-Al₂O₃ Catalyst. Industrial & Engineering Chemistry Research, 2014, 53, 2157-2166.	1.8	49
92	Low temperature waterâ€“gas shift: comparison of thoria and ceria catalysts. Applied Catalysis A: General, 2004, 267, 27-33.	2.2	48
93	Influence of Reduction Promoters on Stability of Cobalt/g-Alumina Fischer-Tropsch Synthesis Catalysts. Catalysts, 2014, 4, 49-76.	1.6	48
94	Fischerâ€“Tropsch Synthesis: Changes in Phase and Activity During Use. Catalysis Letters, 2002, 82, 181-191.	1.4	47
95	Water-gas shift: steady state isotope switching study of the water-gas shift reaction over Pt/ceria using in-situ DRIFTS. Catalysis Letters, 2005, 100, 147-152.	1.4	47
96	Low-temperature waterâ€“gas shift: Strategy to lower Pt loading by doping ceria with Ca2+ improves formate mobility/WGS rate by increasing surface O-mobility. Applied Catalysis A: General, 2011, 394, 105-116.	2.2	46
97	Fischerâ€“Tropsch synthesis: Kinetics and water effect study over 25%Co/Al2O3 catalysts. Catalysis Today, 2014, 228, 158-166.	2.2	46
98	Catalytic Conversion of Alcohols. 11. Influence of Preparation and Pretreatment on the Selectivity of Zirconia. Industrial & Engineering Chemistry Product Research and Development, 1979, 18, 191-198.	0.5	45
99	Fischerâ€“Tropsch synthesis: 14C labeled 1-alkene conversion using supercritical conditions with Co/A12O3. Fuel, 2005, 84, 1093-1098.	3.4	45
100	Fischerâ€“Tropsch Synthesis: Morphology, Phase Transformation, and Carbonâ€Layer Growth of Ironâ€Based Catalysts. ChemCatChem, 2014, 6, 1952-1960.	1.8	45
101	Fischerâ€“Tropsch Synthesis: Effect of Water Over Iron-Based Catalysts. Catalysis Letters, 2010, 140, 98-105.	1.4	44
102	Aromatization of hexane over Pt/KL catalyst: Role of intracrystalline diffusion on catalyst performance using isotope labeling. Journal of Catalysis, 2010, 270, 242-248.	3.1	42
103	Fischerâ€“Tropsch Synthesis:â€‰ Assessment of the Ripening of Cobalt Clusters and Mixing between Co and Ru Promoter via Oxidationâ€“Reduction-Cycles over Lower Co-Loaded Ruâ€“Co/Al₂O₃ Catalysts. Industrial & Engineering Chemistry Research, 2008, 47, 672-680.	1.8	41
104	Influence of carbide formation on oxygenates selectivity during Fischer-Tropsch synthesis over Ce-containing Co catalysts. Catalysis Today, 2016, 261, 40-47.	2.2	41
105	From Dose to Response: In Vivo Nanoparticle Processing and Potential Toxicity. Advances in Experimental Medicine and Biology, 2017, 947, 71-100.	0.8	41
106	Fischerâ€“Tropsch synthesis. Effect of CO pretreatment on a ruthenium promoted Co/TiO2. Catalysis Letters, 2000, 70, 127-130.	1.4	38
107	Mechanism of the Isomerization of 1-Alkene during Iron-Catalyzed Fischerâ€“Tropsch Synthesis. Journal of Catalysis, 2001, 199, 202-208.	3.1	38
108	Fischer-Tropsch synthesis. Evidence for two chain growth mechanisms. Catalysis Letters, 1991, 7, 127-140.	1.4	37

#	Article	IF	Citations
109	Low Temperature Waterâ€“Gas Shift Reaction Over Alkali Metal Promoted Cobalt Carbide Catalysts. Topics in Catalysis, 2014, 57, 612-618.	1.3	37
110	Fischerâ€“Tropsch synthesis: TPR and XANES analysis of the impact of simulated regeneration cycles on the reducibility of Co/alumina catalysts with different promoters (Pt, Ru, Re, Ag, Au, Rh, Ir). Catalysis Today, 2014, 228, 15-21.	2.2	37
111	Conversion of CO₂ over a Co-Based Fischerâ€“Tropsch Catalyst. Industrial & Engineering Chemistry Research, 2015, 54, 1189-1196.	1.8	36
112	Hydrogenation of carbon dioxide over iron carbide prepared from alkali metal promoted iron oxalate. Applied Catalysis A: General, 2018, 564, 243-249.	2.2	36
113	Quantitative comparison of iron and cobalt based catalysts for the Fischer-Tropsch synthesis under clean and poisoning conditions. Catalysis Today, 2020, 343, 125-136.	2.2	35
114	Low Temperature Waterâ€“Gas Shift: Role of Pretreatment on Formation of Surface Carbonates and Formates. Catalysis Letters, 2004, 96, 97-105.	1.4	34
115	Poisoning of cobalt catalyst used for Fischerâ€“Tropsch synthesis. Catalysis Today, 2013, 215, 67-72.	2.2	34
116	Fischerâ€“Tropsch Synthesis: Deactivation as a Function of Potassium Promoter Loading for Precipitated Iron Catalyst. Catalysis Letters, 2014, 144, 1704-1716.	1.4	34
117	Fischerâ€“Tropsch Synthesis: Higher Oxygenate Selectivity of Cobalt Catalysts Supported on Hydrothermal Carbons. ACS Catalysis, 2014, 4, 1662-1672.	5.5	34
118	Hydroisomerization and Hydrocracking of n-Hexadecane over a Platinum-Promoted Sulfated Zirconia Catalyst. Energy & Fuels, 1994, 8, 755-762.	2.5	33
119	Fischerâ€“Tropsch synthesis: Attempt to tune FTS and WGS by alkali promoting of iron catalysts. Applied Catalysis A: General, 2010, 389, 131-139.	2.2	32
120	Fischer-Tropsch synthesis: comparison of carbon-14 distributions when labeled alcohol is added to the synthesis gas. Energy & Fuels, 1991, 5, 174-179.	2.5	31
121	Fischerâ€“Tropsch synthesis: effect of ammonia impurities in syngas feed over a cobalt/alumina catalyst. Applied Catalysis A: General, 2013, 468, 38-43.	2.2	31
122	Fischerâ€“Tropsch synthesis: Effect of catalyst particle (sieve) size range on activity, selectivity, and aging of a Pt promoted Co/Al2O3 catalyst. Chemical Engineering Journal, 2014, 249, 279-284.	6.6	31
123	Hydrogenation of Carbon Dioxide over Kâ€Promoted FeCo Bimetallic Catalysts Prepared from Mixed Metal Oxalates. ChemCatChem, 2017, 9, 1303-1312.	1.8	31
124	Fischerâ€“Tropsch Synthesis: Effect of K Loading on the Waterâ€“Gas Shift Reaction and Liquid Hydrocarbon Formation Rate over Precipitated Iron Catalysts. Topics in Catalysis, 2014, 57, 561-571.	1.3	30
125	Fischerâ€“Tropsch synthesis: Effect of ammonia in syngas on the Fischerâ€“Tropsch synthesis performance of a precipitated iron catalyst. Journal of Catalysis, 2015, 326, 149-160.	3.1	30
126	Fischerâ€“Tropsch synthesis: MÃ¶ssbauer investigation of iron containing catalysts for hydrogenation of carbon dioxide. Catalysis Today, 2013, 207, 50-56.	2.2	28

#	Article	IF	Citations
127	Effect of Vaporâ^'Liquid Equilibrium on Fischerâ^'Tropsch Hydrocarbon Selectivity for a Deactivating Catalyst in a Slurry Reactor. Energy & Fuels, 1996, 10, 552-560.	2.5	27
128	Fischer Tropsch synthesis: Deuterium isotopic study for the formation of oxygenates over CeO2 supported Ptâ€“Co catalysts. Catalysis Communications, 2012, 25, 12-17.	1.6	27
129	Fischerâ€“Tropsch synthesis: Effect of ammonia on supported cobalt catalysts. Journal of Catalysis, 2016, 337, 80-90.	3.1	27
130	Dehydration of 2-octanol over zirconia catalysts: Influence of crystal structure, sulfate addition and pretreatment. Journal of Molecular Catalysis A, 1997, 118, 89-99.	4.8	26
131	Hydrocracking and Hydroisomerization of n-Hexadecane, n-Octacosane and Fischerâ€“Tropsch Wax Over a Pt/SiO2â€“Al2O3 Catalyst. Catalysis Letters, 2012, 142, 1295-1305.	1.4	26
132	Fischerâ€“Tropsch Synthesis: Evidence for Chain Initiation by Ethene and Ethanol for an Iron Catalyst. Topics in Catalysis, 2003, 26, 157-161.	1.3	25
133	Fischerâ€“Tropsch Synthesis: TPR-XAFS Analysis of Co/Silica and Co/Alumina Catalysts Comparing a Novel NO Calcination Method with Conventional Air Calcination. Catalysis Letters, 2010, 140, 106-115.	1.4	25
134	Selectivity control of Cu promoted iron-based Fischer-Tropsch catalyst by tuning the oxidation state of Cu to mimic K. Applied Catalysis A: General, 2015, 495, 45-53.	2.2	25
135	Fischerâ€“Tropsch synthesis and water gas shift kinetics for a precipitated iron catalyst. Catalysis Today, 2016, 275, 49-58.	2.2	25
136	Studies on KIT-6 Supported Cobalt Catalyst for Fischerâ€“Tropsch Synthesis. Catalysis Letters, 2010, 134, 37-44.	1.4	24
137	Fischerâ€“Tropsch Synthesis: Effect of Reaction Temperature for Aqueous-Phase Synthesis Over a Platinum Promoted Co/Alumina Catalyst. Catalysis Letters, 2014, 144, 1088-1095.	1.4	24
138	Applications of isotopic tracers in Fischerâ€“Tropsch synthesis. Catalysis Science and Technology, 2014, 4, 3927-3944.	2.1	24
139	Fischerâ€“Tropsch synthesis: Pore size and Zr promotional effects on the activity and selectivity of 25%Co/Al2O3 catalysts. Applied Catalysis A: General, 2014, 475, 314-324.	2.2	24
140	Structural studies of Pt-Sn catalysts on high and low surface area alumina supports. Catalysis Letters, 1990, 4, 303-308.	1.4	23
141	Fischer-Tropsch synthesis with an iron catalyst: Incorporation of ethene into higher carbon number alkanes. Catalysis Letters, 1991, 7, 141-149.	1.4	23
142	FISCHER-TROPSCH SYNTHESIS: MOSSBAUER STUDIES OF PRETREATED ULTRAFINE IRON OXIDE CATALYSTS. Petroleum Science and Technology, 1993, 11, 1289-1312.	0.2	23
143	13C-tracer study of the Fischerâ€“Tropsch synthesis: another interpretation. Catalysis Today, 2000, 58, 255-261.	2.2	23
144	Nanoscale surface study and reactions mechanism of 2-butanol over the Î³-alumina (100) surface and nanochannel: A DFT study. Journal of Molecular Catalysis A, 2010, 333, 54-68.	4.8	23

#	Article	IF	Citations
145	Variation of residence time with chain length for products in a slurry-phase Fischerâ€“Tropsch reactor. Journal of Catalysis, 2012, 287, 93-101.	3.1	23
146	Olefin selectivity for the dehydration of 2-octanol by alumina and thoria. Journal of Organic Chemistry, 1972, 37, 1240-1244.	1.7	22
147	TWO ALPHA F1SCHER-TROPSCH PRODUCT DISTRIBUTION. A ROLE FOR VAPOR-LIQUID EQUILIBRIUM?. Petroleum Science and Technology, 2000, 18, 1037-1053.	0.7	22
148	CO Hydrogenation: Exploring Iridium as a Promoter for Supported Cobalt Catalysts by TPR-EXAFS/XANES and Reaction Testing. Catalysis Letters, 2011, 141, 968-976.	1.4	22
149	Fischerâ€“Tropsch Synthesis: Deuterium Kinetic Isotope Study for Hydrogenation of Carbon Oxides Over Cobalt and Iron Catalysts. Catalysis Letters, 2011, 141, 1420-1428.	1.4	22
150	Fischerâ€“Tropsch Synthesis: Investigation of the Partitioning of Dissociated H₂ and D₂ on Activated Cobalt Catalysts. ACS Catalysis, 2012, 2, 1452-1456.	5.5	22
151	Fischerâ€“Tropsch Synthesis: Differences Observed in Local Atomic Structure and Selectivity with Pd Compared to Typical Promoters (Pt, Re, Ru) of Co/Al2O3 Catalysts. Topics in Catalysis, 2012, 55, 811-817.	1.3	22
152	Effect of Cobalt Particle Size on the Catalyst Intrinsic Activity for Fischerâ€“Tropsch Synthesis. Catalysis Letters, 2014, 144, 389-394.	1.4	22
153	Sulfated zirconia catalysts: Are Brï¿½nsted acid sites the source of the activity?. Catalysis Letters, 1996, 36, 51-57.	1.4	21
154	Fischerâ€“Tropsch Synthesis: Characterization Rb Promoted Iron Catalyst. Catalysis Letters, 2008, 121, 1-11.	1.4	21
155	Aqueous-Phase Fischerâ€“Tropsch Synthesis: Effect of Reaction Temperature on Ruthenium Nanoparticle Catalyst and Comparison with Supported Ru and Co Catalysts. Catalysis Letters, 2013, 143, 895-901.	1.4	21
156	Water-gas shift: Characterization and testing of nanoscale YSZ supported Pt catalysts. Applied Catalysis A: General, 2015, 497, 184-197.	2.2	21
157	Effect of H2S in syngas on the Fischerâ€“Tropsch synthesis performance of a precipitated iron catalyst. Applied Catalysis A: General, 2016, 513, 127-137.	2.2	21
158	Effect of sequence of P and Co addition over silica for Fischer-Tropsch synthesis. Applied Catalysis A: General, 2017, 538, 190-198.	2.2	21
159	Fischerâ€“Tropsch Synthesis: Effect of Activation Gas After Varying Cu Promoter Loading Over K-Promoted Fe-Based Catalyst. Catalysis Letters, 2014, 144, 1624-1635.	1.4	20
160	Titania Supported Ru Nanoclusters as Catalysts for Hydrodeoxygenation of Pyrolysis Oils. Catalysis Letters, 2016, 146, 525-539.	1.4	20
161	Effect of alkali on C H bond scission over Pt/YSZ catalyst during water-gas-shift, steam-assisted formic acid decomposition and methanol steam reforming. Catalysis Today, 2017, 291, 29-35.	2.2	20
162	Fischer-Tropsch synthesis: Anchoring of cobalt particles in phosphorus modified cobalt/silica catalysts. Applied Catalysis A: General, 2016, 523, 146-158.	2.2	19

#	Article	IF	Citations
163	Fischerâ€“Tropsch synthesis: effect of ammonia on product selectivities for a Pt promoted Co/alumina catalyst. RSC Advances, 2017, 7, 7793-7800.	1.7	19
164	Fischer-Tropsch synthesis: Effect of carbonyl sulfide poison over a Pt promoted Co/alumina catalyst. Catalysis Today, 2018, 299, 14-19.	2.2	19
165	Methanol to gasoline: 14C tracer studies of the conversion of methanol/higher alcohol mixtures over ZSM-5. Fuel Processing Technology, 1990, 26, 209-219.	3.7	18
166	Study of Deactivation of Iron-Based Fischer-Tropsch Synthesis Catalysts. Studies in Surface Science and Catalysis, 2001, , 125-132.	1.5	18
167	Fischerâ€“Tropsch Synthesis: Oxidation of a Fraction of Cobalt Crystallites in Research Catalysts at the Onset of FT at Partial Pressures Mimicking 50Â% CO Conversion. Topics in Catalysis, 2014, 57, 479-490.	1.3	18
168	Fischerâ€“Tropsch Synthesis: Impact of H2 or CO Activation on Methane Selectivity. Catalysis Letters, 2014, 144, 123-132.	1.4	18
169	Efficient diesel production over the iron-based Fischerâ€“Tropsch catalyst supported on CNTs treated by urea/NaOH. Fuel, 2018, 211, 827-836.	3.4	18
170	Fischerâ€“Tropsch Synthesis: Effect of Halides and Potassium Addition on Activity and Selectivity of Cobalt. Catalysis Letters, 2014, 144, 1127-1133.	1.4	17
171	Title is missing!. Catalysis Letters, 1999, 57, 33-35.	1.4	16
172	Ethanol Steam Reforming: Higher Dehydrogenation Selectivities Observed by Tuning Oxygen-Mobility and Acid/Base Properties with Mn in CeO2Â·MnOxÂ·SiO2 Catalysts. Topics in Catalysis, 2013, 56, 1634-1643.	1.3	16
173	Fischerâ€“Tropsch Mechanism: ¹³C¹⁸O Tracer Studies on a Ceriaâ€“Silica Supported Cobalt Catalyst and a Doubly Promoted Iron Catalyst. Industrial & Engineering Chemistry Research, 2015, 54, 6438-6453.	1.8	16
174	IRON FISCHER-TROPSCH CATALYSIS â€" PROPERTIES OF AN ULTRAFINE IRON OXIDE CATALYST. Petroleum Science and Technology, 1994, 12, 1323-1353.	0.2	15
175	Low-Temperature Waterâ€“Gas Shift: Doping Ceria Improves Reducibility and Mobility of O-Bound Species and Catalyst Activity. Catalysis Letters, 2011, 141, 1723-1731.	1.4	15
176	Fischerâ€“Tropsch Synthesis: Influence of Acid Treatment and Preparation Method on Carbon Nanotube Supported Ruthenium Catalysts. Industrial & Engineering Chemistry Research, 2017, 56, 6408-6418.	1.8	15
177	Dehydration of 2â€Octanol over Caâ€doped CeO₂ Catalysts. ChemCatChem, 2017, 9, 492-498.	1.8	15
178	Methanol Steam Reforming: Na Doping of Pt/YSZ Provides Fine Tuning of Selectivity. Catalysts, 2017, 7, 148.	1.6	15
179	The kinetic isotope effect for alkane dehydrocyclization. Studies in Surface Science and Catalysis, 1996, , 1145-1154.	1.5	14
180	Reaction Pathway for Alkane Dehydrocyclization. Journal of Catalysis, 1996, 162, 134-137.	3.1	14

#	Article	IF	Citations
181	Promoted iron Fischer-Tropsch catalysts: characterization by thermal analysis. Applied Catalysis A: General, 1996, 144, 133-146.	2.2	14
182	Dehydrocyclization ofn-Octane: Role of Alkene Intermediates in the Reaction Mechanism. Journal of Catalysis, 1997, 168, 129-132.	3.1	14
183	Fischer-Tropsch Synthesis: Kinetics and Effect of Water for a Co/Al2O3 Catalyst. Studies in Surface Science and Catalysis, 2007, , 289-314.	1.5	14
184	Fischerâ€“Tropsch synthesis. Effect of alkali, bicarbonate and chloride addition on activity and selectivity. Catalysis Today, 2013, 215, 73-79.	2.2	14
185	Fischerâ€“Tropsch Synthesis: Effect of Start-Up Solvent in a Slurry Reactor. Catalysis Letters, 2013, 143, 395-400.	1.4	14
186	Fischerâ€“Tropsch Synthesis: Effect of Reducing Agent for Aqueous-Phase Synthesis Over Ru Nanoparticle and Supported Ru Catalysts. Catalysis Letters, 2015, 145, 893-904.	1.4	14
187	Fischer-Tropsch synthesis. Mechanism studies using isotopes. Catalysis, 0, , 52-131.	0.6	14
188	Liquefaction pathways of U.S. bituminous coals. Energy & Fuels, 1991, 5, 625-632.	2.5	12
189	Isotopic tracer studies of the conversion of methanol and ethene or propene to gasoline range hydrocarbons. Energy & Fuels, 1993, 7, 249-256.	2.5	12
190	Deutero-1-pentene tracer studies for iron and cobalt Fischerâ€“Tropsch synthesis. Applied Catalysis A: General, 2011, 393, 130-137.	2.2	12
191	Fischerâ€“Tropsch Synthesis: Preconditioning Effects Upon Co-Containing Promoted and Unpromoted Catalysts. Catalysis Letters, 2012, 142, 698-713.	1.4	12
192	A Relationship between the Production of Oxygenates from Ethanol/Steam Mixtures and the Oxygen Mobility in Transition Metal Oxide Doped CeO₂Â·SiO₂ Catalysts. Journal of Physical Chemistry C, 2014, 118, 28007-28016.	1.5	12
193	Fischerâ€“Tropsch Synthesis: Using Deuterium as a Tool to Investigate Primary Product Distribution. Catalysis Letters, 2014, 144, 524-530.	1.4	12
194	Fischerâ€“Tropsch Synthesis: Effects of Hydrohalic Acids in Syngas on a Precipitated Iron Catalyst. ACS Catalysis, 2015, 5, 3124-3136.	5.5	12
195	Fischerâ€“Tropsch Synthesis: XANES Spectra of Potassium in Promoted Precipitated Iron Catalysts as a Function of Time On-stream. Catalysis Letters, 2017, 147, 1861-1870.	1.4	12
196	Tailoring the product selectivity of Co/SiO2 Fischer-Tropsch synthesis catalysts by lanthanide doping. Catalysis Today, 2020, 343, 80-90.	2.2	12
197	Fischerâ€“Tropsch synthesis: Deuterium labeled ethanol tracer studies on iron catalysts. Applied Catalysis A: General, 2010, 385, 46-51.	2.2	11
198	Fischerâ€“Tropsch Synthesis: Effect of Potassium on Activity and Selectivity for Oxide and Carbide Fe Catalysts. Catalysis Letters, 2013, 143, 1123-1131.	1.4	11

#	Article	IF	Citations
199	Fischerâ€“Tropsch Synthesis: Deuterium Kinetic Isotopic Effect for a 2.5Â% Ru/NaY Catalyst. Topics in Catalysis, 2014, 57, 508-517.	1.3	11
200	Fischerâ€“Tropsch Synthesis: XANES Investigation of Hydrogen Chloride Poisoned Iron and Cobalt-Based Catalysts at the K-Edges of Cl, Fe, and Co. Catalysis Letters, 2016, 146, 1858-1866.	1.4	11
201	Nanostructure and kinetic isotope effect of alkali-doped Pt/silica catalysts for water-gas shift and steam-assisted formic acid decomposition. Catalysis Today, 2016, 272, 42-48.	2.2	11
202	Fischer-Tropsch synthesis: Foregoing calcination and utilizing reduction promoters leads to improved conversion and selectivity with Co/silica. Applied Catalysis A: General, 2018, 559, 153-166.	2.2	11
203	Fischer-Tropsch synthesis. Effect of KCl contaminant on the performance of iron and cobalt catalysts. Catalysis Today, 2018, 299, 28-36.	2.2	11
204	Effect of H2S in Syngas on the Fischerâ€“Tropsch Synthesis Performance of a 0.5%Ptâ€“25%Coâ€“Al2O3 Catalyst. Catalysis Letters, 2016, 146, 1204-1212.	1.4	10
205	Dehydration of 1,5â€Pentanediol over CeO₂â€MeOx Catalysts. ChemCatChem, 2018, 10, 4629-4635.	1.8	10
206	Effect of Gallium Additions on Reduction, Carburization and Fischerâ€“Tropsch Activity of Iron Catalysts. Catalysis Letters, 2018, 148, 1920-1928.	1.4	10
207	Fischerâ€“Tropsch synthesis. Compositional changes in an iron catalyst during activation and use. Topics in Catalysis, 2000, 10, 133-139.	1.3	9
208	Fischerâ€“Tropsch synthesis: The formation of branched hydrocarbons in the Fe and Co catalyzed reaction. Journal of Molecular Catalysis A, 2005, 234, 85-97.	4.8	9
209	Hydroisomerization of n-Hexadecane Over Anion Modified Pt/HfO2 Catalysts. Catalysis Letters, 2012, 142, 1180-1189.	1.4	9
210	Fischerâ€“Tropsch synthesis: effect of Cu, Mn and Zn addition on activity and product selectivity of cobalt ferrite. RSC Advances, 2016, 6, 62356-62367.	1.7	9
211	Dehydration of 1,5â€Pentanediol over Naâ€Doped CeO₂ Catalysts. ChemCatChem, 2018, 10, 1148-1154.	1.8	9
212	Fischer-Tropsch synthesis: Effect of CO conversion on CH4 and oxygenate selectivities over precipitated Fe-K catalysts. Applied Catalysis A: General, 2018, 560, 144-152.	2.2	9
213	Effect of Phosphorus on the Activity and Stability of Supported Cobalt Catalysts for Fischerâ€Tropsch Synthesis. ChemCatChem, 2018, 10, 3709-3716.	1.8	9
214	Fischerâ€”Tropsch synthesis with iron catalysts. Applied Catalysis, 1989, 56, 95-106.	1.1	8
215	State of platinum in zirconia and sulfated zirconia catalysts. Catalysis Letters, 1996, 40, 167-173.	1.4	8
216	Fischer-Tropsch Synthesis: Effect of Pt Promoter on Activity, Selectivities to Hydrocarbons and Oxygenates, and Kinetic Parameters over 15%Co/Al₂O₃. ACS Symposium Series, 2011, , 127-153.	0.5	8

#	Article	IF	Citations
217	Fischerâ€“Tropsch Synthesis: Studies on the Effect of Support Doping with Si, Mn and Cr on the Selectivity to Alcohols in Ceria Supported Cobalt Catalysts. Topics in Catalysis, 2014, 57, 550-560.	1.3	8
218	Heterogeneous Catalytic Hydrogenation of Ethyl Acetate to Produce Ethanol. Topics in Catalysis, 2014, 57, 757-761.	1.3	8
219	Fischerâ€“Tropsch Synthesis: Branched Paraffin Distribution for Potassium Promoted Iron Catalysts. Catalysis Letters, 2014, 144, 1031-1041.	1.4	8
220	Ga and In modified ceria as supports for cobalt-catalyzed Fischer-Tropsch synthesis. Applied Catalysis A: General, 2017, 547, 115-123.	2.2	8
221	Fischer-Tropsch Synthesis: Cd, In and Sn Effects on a 15%Co/Al2O3 Catalyst. Catalysts, 2019, 9, 862.	1.6	8
222	Fischer-Tropsch synthesis: Using deuterium tracer coupled with kinetic approach to study the kinetic isotopic effects of iron, cobalt and ruthenium catalysts. Catalysis Today, 2020, 343, 137-145.	2.2	8
223	The History of Petroleum Cracking in the 20th Century. ACS Symposium Series, 2008, , 103-187.	0.5	7
224	3D Ridge-Valley Structure of a Pt-Ceria Catalyst: HRTEM and EELS Spectrum Imaging. Catalysis Letters, 2009, 132, 335-341.	1.4	7
225	Fischer-Tropsch synthesis: Effect of solvent on the H 2 â€“D 2 isotopic exchange rate over an activated nickel catalyst. Catalysis Today, 2016, 270, 2-8.	2.2	7
226	Dehydration of Pentanediol over CeO₂ , CeO₂ -Ga₂ O₃ , and CeO₂ -In₂ O₃. ChemistrySelect, 2017, 2, 4150-4156.	0.7	7
227	Crystallization Exotherms of Zirconia-Hafnia Mixtures. Journal of the American Ceramic Society, 1990, 73, 1780-1782.	1.9	6
228	Deactivation of iron-based catalysts for slurry phase Fischer-Tropsch synthesis. Studies in Surface Science and Catalysis, 1997, 111, 527-533.	1.5	6
229	An Investigation of the Partitioning of Dissociated H2 and D2 on Activated Nickel Catalysts. Catalysis Letters, 2013, 143, 1368-1373.	1.4	6
230	Conversion of [14C]methanol and propane mixtures with H-ZSM-5. Journal of Catalysis, 1988, 114, 190-195.	3.1	5
231	Eels-Stem Investigation of the Formation of Nano-Zones in Iron Catalysts for Fischer-Tropsch Synthesis. Studies in Surface Science and Catalysis, 2007, , 101-124.	1.5	5
232	Fischer-Tropsch Synthesis: Reaction Pathways for 14C-Labeled Acetic Acid. Catalysis Letters, 2008, 120, 25-33.	1.4	5
233	Shape-selective alkylation of biphenyl with propylene using zeolite and amorphous silicaâ€“alumina catalysts. Applied Catalysis A: General, 2013, 453, 195-203.	2.2	5
234	Fischerâ€Tropsch synthesis: Effect of solvent on the H₂â€Ð₂ isotopic exchange rate over an activated cobalt catalyst. Canadian Journal of Chemical Engineering, 2016, 94, 678-684.	0.9	5

#	Article	IF	Citations
235	Fischer-Tropsch synthesis: Synergistic effect of hybrid Pt-Cd additives on a 15%Co/Al2O3 catalyst. Applied Catalysis A: General, 2020, 600, 117610.	2.2	5
236	Fischerâ€“Tropsch synthesis over Pt/Co/Al2O3 catalyst: Improvement in catalyst stability by activation with diluted CO. Applied Catalysis A: General, 2020, 602, 117645.	2.2	5
237	Low Temperature Waterâ€“Gas Shift Reaction: Interactions of Steam and CO with Ceria Treated with Different Oxidizing and Reducing Environments. Catalysis Letters, 2015, 145, 533-540.	1.4	4
238	Isotopic Apportioning of Hydrogen/Deuterium on the Surface of an Activated Iron Carbide Catalyst. Catalysis Letters, 2015, 145, 1683-1690.	1.4	4
239	Fischer-Tropsch synthesis: Cobalt catalysts on alumina having partially pre-filled pores exhibit higher C5+ and lower light gas selectivities. Applied Catalysis A: General, 2016, 516, 51-57.	2.2	4
240	Platinumâ€”Tinâ€”Alumina Catalysts. ACS Symposium Series, 1993, , 109-126.	0.5	3
241	A Comparison of Fischer-Tropsch Synthesis in a Slurry Bubble Column Reactor and a Continuous Stirred Tank Reactor. Studies in Surface Science and Catalysis, 2001, 139, 407-414.	1.5	3
242	Deuterium Exchange Study for Hydrogenation of D5-1-Pentene (4,4,5,5,5) Over Conventional Cobalt Fischerâ€“Tropsch Catalyst. Catalysis Letters, 2012, 142, 190-194.	1.4	3
243	Deuterium Tracer Studies and Gas Chromatographyâ€“Mass Spectrometry Analysis of Deuterated Products during Fischerâ€“Tropsch Synthesis. Topics in Catalysis, 2014, 57, 460-469.	1.3	3
244	Steady-State Attainment Period for Fischerâ€“Tropsch Products. Topics in Catalysis, 2014, 57, 582-587.	1.3	3
245	14C-Labeled Alcohol Tracer Study: Comparison of Reactivity of Alcohols over Cobalt and Ruthenium Fischerâ€“Tropsch Catalysts. Topics in Catalysis, 2015, 58, 343-349.	1.3	3
246	Mitigation of Methane Selectivity on Pt/KL-Zeolite Aromatization Catalysts by Ag Promotion. Catalysis Letters, 2016, 146, 763-769.	1.4	3
247	Hydrocracking of Octacosane and Cobalt Fischerâ€“Tropsch Wax over Nonsulfided NiMo and Pt-Based Catalysts. Reactions, 2021, 2, 374-390.	0.9	3
248	CATALYTIC HYDROTREATMENT OF COAL-DERIVED NAPHTHA. Petroleum Science and Technology, 1994, 12, 1355-1376.	0.2	2
249	Fischer-Tropsch Synthesis: Comparisons of Al2O3- and TiO2-Supported Co Catalysts Prepared by Aqueous Impregnation and CVD Methods. , 2016, , 85-106.		2
250	Hexane Aromatization: Analysis of the K-Edges of S and K Provides New Insight into H2S Poisoning of Pt/KL. Catalysis Letters, 2018, 148, 97-107.	1.4	2
251	Coal Technology for Power, Liquid Fuels, and Chemicals. , 2012, , 749-805.		2
252	Symposium on Synthesis Gas Chemistry:Â An Introduction. Energy & Fuels, 1996, 10, 519-519.	2.5	1

#	Article	IF	Citations
253	Characterizing Hf X Zr1â^'X O2 by EXAFS: Relationship Between Bulk and Surface Composition, and Impact on Catalytic Selectivity for Alcohol Conversion. Catalysis Letters, 2009, 127, 248-259.	1.4	1
254	Fischer-Tropsch Synthesis. Chemical Industries, 2009, , .	0.1	1
255	Observations of in vivo Processing of Metal Oxide Nanoparticles by Analytical TEM/STEM. Microscopy and Microanalysis, 2015, 21, 2287-2288.	0.2	1
256	Probing the Ability of KL-Zeolite to Provide Single-File Access of Hexane to Pt Nanoclusters as a Function of Pressure. , 2016, , 343-360.		1
257	Fischer-Tropsch Synthesis: Effect of CO Conversion on Product Selectivities during Deactivation or by Changing Space Velocity at Stable Conditions over Unpromoted and Ru-Promoted 25%Co/Al2O3 Catalysts. , 2016, , 117-150.		1
258	Dehydrocyclization of C6 Hydrocarbon With and Without Oxygen Containing Substituent Over Pt/(Na)-Al2O3 Catalyst. Catalysis Letters, 2016, 146, 424-432.	1.4	1
259	The BET Equation â€“ Nominated for a Nobel Prize but Not Selected. ACS Symposium Series, 2017, , 165-206.	0.5	1
260	CHARACTERIZATION OF SYNCRUDES FROM THE H-COAL PROCESS. Petroleum Science and Technology, 1994, 12, 229-266.	0.2	0
261	Shape Selectivity for Alkane Dehydrocyclization with Pt Silicalite Catalysts. ACS Symposium Series, 1999, , 145-159.	0.5	0
262	Competitive conversion of methylcyclohexane andn-octane. Variation of hydrogen partial pressure. Reaction Kinetics and Catalysis Letters, 1999, 68, 145-151.	0.6	0
263	Nucleation and Growth of Gallium Oxide Tubes, Nanopaintbrushes and Nanowires from Molten Gallium. Materials Research Society Symposia Proceedings, 2002, 755, 1.	0.1	0
264	STEM Imaging and Analysis of Ferritin Nanoparticles in Organs: Spatial and Temporal Association of Ferritin with Invader Nanoparticles and Oxidation States Revealed. Microscopy and Microanalysis, 2016, 22, 1054-1055.	0.2	0
265	Investigation of the Partitioning of Dissociated H2 and D2 on Activated Ruthenium Catalysts. , 2016, , 243-256.		0
266	Fischer-Tropsch Synthesis: Activity and Product Selectivity of SiC-Supported Ru Catalysts. , 2016, , 295-308.		0
267	Fischer-Tropsch Synthesis: Comparisons of SiO2- and SiC-Supported Co Catalysts Prepared through Aqueous Impregnation and CVD Methods. , 2016, , 55-84.		0
268	Exchange interference for a range of partially deuterated hydrocarbons using a GCâ€Eâ€MSD. Journal of Mass Spectrometry, 2018, 53, 1169-1177.	0.7	0
269	Chapter 5 | Coal-to-Liquid Conversion Processes: A Review. , 2019, , 115-143.		0