Gary Jacobs

List of Publications by Year in descending order

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244	12,796	19608	29081
papers	citations	61 h-index	104 g-index

254	254	254	7908
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reaction pathways for the HDO of guaiacol over supported Pd catalysts: Effect of support type in the deoxygenation of hydroxyl and methoxy groups. Molecular Catalysis, 2022, 523, 111491.	1.0	11
2	Lithium promotion of Pt/m-ZrO2 catalysts for low temperature water-gas shift. International Journal of Hydrogen Energy, 2022, 47, 30872-30895.	3.8	6
3	CO2 hydrogenation: Selectivity control of CO versus CH4 achieved using Na doping over Ru/m-ZrO2 at low pressure. Applied Catalysis B: Environmental, 2022, 315, 121533.	10.8	9
4	Low temperature ethanol steam reforming: Selectivity control with lithium doping of Pt/m-ZrO2. Catalysis Today, 2022, 402, 335-349.	2.2	8
5	Fischer-Tropsch synthesis: Direct cobalt nitrate reduction of promoted Co/Al2O3 catalysts. Catalysis Today, 2021, 369, 129-143.	2.2	7
6	Effect of sodium loading on Pt/ZrO2 during ethanol steam reforming. Applied Catalysis A: General, 2021, 610, 117947.	2.2	27
7	Low Temperature Water-Gas Shift: Enhancing Stability through Optimizing Rb Loading on Pt/ZrO2. Catalysts, 2021, 11, 210.	1.6	8
8	Influence of Cs Loading on Pt/m-ZrO2 Waterâ€“Gas Shift Catalysts. Catalysts, 2021, 11, 570.	1.6	7
9	Fischer-Tropsch Synthesis: The Characterization and Testing of Pt-Co/SiO2 Catalysts Prepared with Alternative Cobalt Precursors. Reactions, 2021, 2, 129-160.	0.9	3
10	CO2 methanation over metal catalysts supported on ZrO2: Effect of the nature of the metallic phase on catalytic performance. Chemical Engineering Science, 2021, 239, 116604.	1.9	21
11	Promoting the Selectivity of Pt/m-ZrO2 Ethanol Steam Reforming Catalysts with K and Rb Dopants. Nanomaterials, 2021, 11, 2233.	1.9	6
12	Influence of Cs Promoter on Ethanol Steam-Reforming Selectivity of Pt/m-ZrO2 Catalysts at Low Temperature. Catalysts, 2021, 11, 1104.	1.6	6
13	Hydrodeoxygenation of Lignin-Derived Compound Mixtures on Pd-Supported on Various Oxides. ACS Sustainable Chemistry and Engineering, 2021, 9, 12870-12884.	3.2	20
14	Hydrocracking of Octacosane and Cobalt Fischerâ€“Tropsch Wax over Nonsulfided NiMo and Pt-Based Catalysts. Reactions, 2021, 2, 374-390.	0.9	3
15	Fischerâ€“Tropsch Synthesis: Effect of the Promoterâ€™s Ionic Charge and Valence Level Energy on Activity. Reactions, 2021, 2, 408-426.	0.9	3
16	Tailoring the product selectivity of Co/SiO2 Fischer-Tropsch synthesis catalysts by lanthanide doping. Catalysis Today, 2020, 343, 80-90.	2.2	12
17	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
18	Sodium doping of Pt/m-ZrO2 promotes Câ€“C scission and decarboxylation during ethanol steam reforming. International Journal of Hydrogen Energy, 2020, 45, 18490-18501.	3.8	25

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19	Hydrodeoxygenation of phenol using nickel phosphide catalysts. Study of the effect of the support. Catalysis Today, 2020, 356, 366-375.	2.2	22
20	The Preparation and Characterization of Coâ€“Ni Nanoparticles and the Testing of a Heterogenized Coâ€“Ni/Alumina Catalyst for CO Hydrogenation. Catalysts, 2020, 10, 18.	1.6	11
21	Editorial: Cobalt and Iron Catalysis. Catalysts, 2020, 10, 36.	1.6	1
22	An overview of Fischer-Tropsch Synthesis: XtL processes, catalysts and reactors. Applied Catalysis A: General, 2020, 608, 117740.	2.2	85
23	Role of the metal-support interface in the hydrodeoxygenation reaction of phenol. Applied Catalysis B: Environmental, 2020, 277, 119238.	10.8	41
24	Substitution of Co with Ni in Co/Al2O3 Catalysts for Fischerâ€“Tropsch Synthesis. Catalysts, 2020, 10, 334.	1.6	5
25	Effect of pretreatment conditions on acidity and dehydration activity of CeO2-MeOx catalysts. Applied Catalysis A: General, 2020, 602, 117722.	2.2	15
26	Low temperature water-gas shift: Optimization of K loading on Pt/m-ZrO2 for enhancing CO conversion. Applied Catalysis A: General, 2020, 598, 117572.	2.2	15
27	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
28	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
29	Water-gas shift: effect of Na loading on Pt/m-zirconia catalysts for low-temperature shift for the production and purification of hydrogen. , 2020, , 143-160.		1
30	The role of defect sites and oxophilicity of the support on the phenol hydrodeoxygenation reaction. Applied Catalysis B: Environmental, 2019, 249, 292-305.	10.8	56
31	Fischerâ€“Tropsch: Product Selectivityâ€“The Fingerprint of Synthetic Fuels. Catalysts, 2019, 9, 259.	1.6	80
32	Fischer-Tropsch synthesis: Direct cobalt nitrate reduction of promoted Co/TiO2 catalysts. Fuel, 2019, 245, 488-504.	3.4	21
33	Soft X-ray Characterization of Sulfur-Poisoned Cation-Exchanged Pt/KL Catalysts for Aromatization of Hexane. ACS Symposium Series, 2019, , 243-260.	0.5	0
34	Fischerâ€“Tropsch Synthesis: Computational Sensitivity Modeling for Series of Cobalt Catalysts. Catalysts, 2019, 9, 857.	1.6	5
35	Fischer-Tropsch Synthesis: Cd, In and Sn Effects on a 15%Co/Al2O3 Catalyst. Catalysts, 2019, 9, 862.	1.6	8
36	Increased CO2 hydrogenation to liquid products using promoted iron catalysts. Journal of Catalysis, 2019, 369, 239-248.	3.1	65

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37	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
38	Dehydration of 1,5â€Pentanediol over Naâ€Doped CeO₂ Catalysts. ChemCatChem, 2018, 10, 1148-1154.	1.8	9
39	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
40	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
41	Fischer-Tropsch synthesis: Effect of carbonyl sulfide poison over a Pt promoted Co/alumina catalyst. Catalysis Today, 2018, 299, 14-19.	2.2	19
42	Hydrodeoxygenation of phenol over niobia supported Pd catalyst. Catalysis Today, 2018, 302, 115-124.	2.2	79
43	Fischer-Tropsch synthesis. Effect of KCl contaminant on the performance of iron and cobalt catalysts. Catalysis Today, 2018, 299, 28-36.	2.2	11
44	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
45	Effect of Phosphorus on the Activity and Stability of Supported Cobalt Catalysts for Fischerâ€Tropsch Synthesis. ChemCatChem, 2018, 10, 3709-3716.	1.8	9
46	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
47	Hydrodeoxygenation of Phenol over Pd Catalysts. Effect of Support on Reaction Mechanism and Catalyst Deactivation. ACS Catalysis, 2017, 7, 2058-2073.	5.5	171
48	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
49	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
50	From Dose to Response: In Vivo Nanoparticle Processing and Potential Toxicity. Advances in Experimental Medicine and Biology, 2017, 947, 71-100.	0.8	41
51	Dehydration of Pentanediol over CeO₂ , CeO₂ -Ga₂ O₃ , and CeO₂ -In₂ O₃. ChemistrySelect, 2017, 2, 4150-4156.	0.7	7
52	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
53	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
54	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

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55	Hydrogenation of Carbon Dioxide over Kâ€Promoted FeCo Bimetallic Catalysts Prepared from Mixed Metal Oxalates. ChemCatChem, 2017, 9, 1303-1312.	1.8	31
56	Kinetic Modeling of Secondary Methane Formation and 1â€Olefin Hydrogenation in Fischerâ€“Tropsch Synthesis over a Cobalt Catalyst. International Journal of Chemical Kinetics, 2017, 49, 859-874.	1.0	11
57	Ga and In modified ceria as supports for cobalt-catalyzed Fischer-Tropsch synthesis. Applied Catalysis A: General, 2017, 547, 115-123.	2.2	8
58	Dehydration of 2â€Octanol over Caâ€doped CeO₂ Catalysts. ChemCatChem, 2017, 9, 492-498.	1.8	15
59	Methanol Steam Reforming: Na Doping of Pt/YSZ Provides Fine Tuning of Selectivity. Catalysts, 2017, 7, 148.	1.6	15
60	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
61	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
62	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
63	Investigation of the Partitioning of Dissociated H2 and D2 on Activated Ruthenium Catalysts. , 2016, , 243-256.		0
64	Fischer-Tropsch Synthesis: Impact of Ammonia on Alumina- and Silica-Supported Cobalt Catalysts Activity. , 2016, , 257-274.		0
65	Fischer-Tropsch Synthesis: Activity and Product Selectivity of SiC-Supported Ru Catalysts. , 2016, , 295-308.		0
66	Low-Temperature Waterâ€“Gas Shift: Effects of Y and Na in High Surface Area Na-Doped, YSZ-Supported Pt Catalysts. , 2016, , 309-326.		0
67	Low-Temperature Waterâ€“Gas Shift: Comparative Study of Lanthanide Oxideâ€“Supported Pt Catalysts. , 2016, , 327-342.		0
68	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
69	Fischer-Tropsch Synthesis: Activity and Selectivity of Ï‡-Fe5C2 and Î¸-Fe3C Carbides. , 2016, , 15-30.		1
70	Fischer-Tropsch Synthesis: Comparisons of SiO2- and SiC-Supported Co Catalysts Prepared through Aqueous Impregnation and CVD Methods. , 2016, , 55-84.		0
71	Fischer-Tropsch Synthesis: Comparisons of Al2O3- and TiO2-Supported Co Catalysts Prepared by Aqueous Impregnation and CVD Methods. , 2016, , 85-106.		2
72	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

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73	Mitigation of Methane Selectivity on Pt/KL-Zeolite Aromatization Catalysts by Ag Promotion. Catalysis Letters, 2016, 146, 763-769.	1.4	3
74	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
75	Fischer-Tropsch synthesis: Anchoring of cobalt particles in phosphorus modified cobalt/silica catalysts. Applied Catalysis A: General, 2016, 523, 146-158.	2.2	19
76	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
77	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
78	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
79	Fischerâ€“Tropsch synthesis: Effect of ammonia on supported cobalt catalysts. Journal of Catalysis, 2016, 337, 80-90.	3.1	27
80	Titania Supported Ru Nanoclusters as Catalysts for Hydrodeoxygenation of Pyrolysis Oils. Catalysis Letters, 2016, 146, 525-539.	1.4	20
81	Fischerâ€“Tropsch synthesis and water gas shift kinetics for a precipitated iron catalyst. Catalysis Today, 2016, 275, 49-58.	2.2	25
82	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
83	Hydrogenation of Carbon Dioxide over Coâ€“Fe Bimetallic Catalysts. ACS Catalysis, 2016, 6, 913-927.	5.5	175
84	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
85	Corrigendum to: CO-insertion mechanism based kinetic model of the Fischerâ€“Tropsch synthesis reaction over Re-promoted Co catalyst. Catalysis Today, 2015, 242, 386.	2.2	9
86	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
87	Conversion of CO₂ over a Co-Based Fischerâ€“Tropsch Catalyst. Industrial & Engineering Chemistry Research, 2015, 54, 1189-1196.	1.8	36
88	Role of Keto Intermediates in the Hydrodeoxygenation of Phenol over Pd on Oxophilic Supports. ACS Catalysis, 2015, 5, 1318-1329.	5.5	186
89	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
90	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

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91	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
92	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
93	Kinetics of deactivation by carbon of a cobalt Fischerâ€“Tropsch catalyst: Effects of CO and H2 partial pressures. Journal of Catalysis, 2015, 327, 33-47.	3.1	52
94	Fischerâ€“Tropsch Synthesis: Effects of Hydrohalic Acids in Syngas on a Precipitated Iron Catalyst. ACS Catalysis, 2015, 5, 3124-3136.	5.5	12
95	Water-gas shift: Characterization and testing of nanoscale YSZ supported Pt catalysts. Applied Catalysis A: General, 2015, 497, 184-197.	2.2	21
96	Isotopic Apportioning of Hydrogen/Deuterium on the Surface of an Activated Iron Carbide Catalyst. Catalysis Letters, 2015, 145, 1683-1690.	1.4	4
97	Effect of Zirconia Morphology on Hydrodeoxygenation of Phenol over Pd/ZrO₂. ACS Catalysis, 2015, 5, 7385-7398.	5.5	137
98	Fischerâ€“Tropsch Synthesis: Deactivation as a Function of Potassium Promoter Loading for Precipitated Iron Catalyst. Catalysis Letters, 2014, 144, 1704-1716.	1.4	34
99	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
100	Influence of Reduction Promoters on Stability of Cobalt/g-Alumina Fischer-Tropsch Synthesis Catalysts. Catalysts, 2014, 4, 49-76.	1.6	48
101	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
102	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
103	Fischerâ€“Tropsch Synthesis: Deuterium Kinetic Isotopic Effect for a 2.5Â% Ru/NaY Catalyst. Topics in Catalysis, 2014, 57, 508-517.	1.3	11
104	Low Temperature Waterâ€“Gas Shift Reaction Over Alkali Metal Promoted Cobalt Carbide Catalysts. Topics in Catalysis, 2014, 57, 612-618.	1.3	37
105	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
106	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
107	Ethanol Reforming Reactions Over Co and Cu Based Catalysts Obtained from LaCoCuO3 Perovskite-Type Oxides. Topics in Catalysis, 2014, 57, 637-655.	1.3	8
108	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

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109	Effect of Cobalt Particle Size on the Catalyst Intrinsic Activity for Fischerâ€“Tropsch Synthesis. Catalysis Letters, 2014, 144, 389-394.	1.4	22
110	Fischerâ€“Tropsch Synthesis: Using Deuterium as a Tool to Investigate Primary Product Distribution. Catalysis Letters, 2014, 144, 524-530.	1.4	12
111	Fischerâ€“Tropsch Synthesis: Impact of H2 or CO Activation on Methane Selectivity. Catalysis Letters, 2014, 144, 123-132.	1.4	18
112	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
113	Fischerâ€“Tropsch synthesis: Kinetics and water effect study over 25%Co/Al2O3 catalysts. Catalysis Today, 2014, 228, 158-166.	2.2	46
114	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
115	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
116	Effect of aging on NOx reduction in coupled LNTâ€“SCR systems. Applied Catalysis B: Environmental, 2014, 148-149, 51-61.	10.8	31
117	Applications of isotopic tracers in Fischerâ€“Tropsch synthesis. Catalysis Science and Technology, 2014, 4, 3927-3944.	2.1	24
118	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
119	Fischerâ€“Tropsch Synthesis: Effect of Halides and Potassium Addition on Activity and Selectivity of Cobalt. Catalysis Letters, 2014, 144, 1127-1133.	1.4	17
120	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
121	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
122	Fischerâ€“Tropsch Synthesis: Morphology, Phase Transformation, and Carbonâ€Layer Growth of Ironâ€Based Catalysts. ChemCatChem, 2014, 6, 1952-1960.	1.8	45
123	Fischerâ€“Tropsch Synthesis: Higher Oxygenate Selectivity of Cobalt Catalysts Supported on Hydrothermal Carbons. ACS Catalysis, 2014, 4, 1662-1672.	5.5	34
124	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
125	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
126	Poisoning of cobalt catalyst used for Fischerâ€“Tropsch synthesis. Catalysis Today, 2013, 215, 67-72.	2.2	34

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127	An Investigation of the Partitioning of Dissociated H2 and D2 on Activated Nickel Catalysts. Catalysis Letters, 2013, 143, 1368-1373.	1.4	6
128	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
129	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
130	The application of synchrotron methods in characterizing iron and cobalt Fischerâ€“Tropsch synthesis catalysts. Catalysis Today, 2013, 214, 100-139.	2.2	55
131	Fischerâ€“Tropsch synthesis: Activity of metallic phases of cobalt supported on silica. Catalysis Today, 2013, 215, 13-17.	2.2	142
132	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
133	Fischerâ€“Tropsch synthesis: MÃ¶ssbauer investigation of iron containing catalysts for hydrogenation of carbon dioxide. Catalysis Today, 2013, 207, 50-56.	2.2	28
134	Fischerâ€“Tropsch synthesis. Effect of alkali, bicarbonate and chloride addition on activity and selectivity. Catalysis Today, 2013, 215, 73-79.	2.2	14
135	Fischerâ€“Tropsch Synthesis: Effect of Start-Up Solvent in a Slurry Reactor. Catalysis Letters, 2013, 143, 395-400.	1.4	14
136	Hydroisomerization of n-Hexadecane Over Anion Modified Pt/HfO2 Catalysts. Catalysis Letters, 2012, 142, 1180-1189.	1.4	9
137	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
138	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
139	Mixed-Phase Oxide Catalyst Based on Mn-Mullite (Sm, Gd)Mn ₂ O ₅ for NO Oxidation in Diesel Exhaust. Science, 2012, 337, 832-835.	6.0	279
140	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
141	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
142	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
143	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
144	Production of Hydrogen from Ethanol: Review of Reaction Mechanism and Catalyst Deactivation. Chemical Reviews, 2012, 112, 4094-4123.	23.0	640

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145	Alumina Supported Auâ€“Ni: Surface Synergism in the Gas Phase Hydrogenation of Nitro-Compounds. Journal of Physical Chemistry C, 2012, 116, 11166-11180.	1.5	33
146	Fischerâ€“Tropsch Synthesis: Preconditioning Effects Upon Co-Containing Promoted and Unpromoted Catalysts. Catalysis Letters, 2012, 142, 698-713.	1.4	12
147	Response to comment on the article â€œSurface interfaces in low temperature waterâ€“gas shift: The metal oxide synergy, the assistance of co-adsorbed water, and alkali dopingâ€•by Jacobs and Davis, Int. J. Hydrogen Energy, 35 (2010) 3522â€“36. International Journal of Hydrogen Energy, 2012, 37, 5314-5315.	3.8	1
148	NOx storage and reduction properties of model ceria-based lean NOx trap catalysts. Applied Catalysis B: Environmental, 2012, 119-120, 183-196.	10.8	58
149	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
150	Low Temperature Water Gas Shift: Evaluation of Pt/HfO₂ and Correlation between Reaction Mechanism and Periodic Trends in Tetravalent (Ti, Zr, Hf, Ce, Th) Metal Oxides. ACS Catalysis, 2011, 1, 1375-1383.	5.5	26
151	Fischerâ€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
152	Fischerâ€“Tropsch Synthesis: Characterization and Reaction Testing of Cobalt Carbide. ACS Catalysis, 2011, 1, 1581-1588.	5.5	129
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