Andrei Khodakov

List of Publications by Year
in descending order

174 papers	12,049 citations	30070 54 h-index	28297 105 g-index
179 all docs	179 docs citations	179 times ranked	8028 citing authors

#	Article	IF	Citations
1	Structureâ€“performance correlations in the hybrid oxide-supported copperâ€“zinc SAPO-34 catalysts for direct synthesis of dimethyl ether from CO2. Journal of Materials Science, 2022, 57, 3268-3279.	3.7	8
2	Hybrid monometallic and bimetallic copperâ€“palladium zeolite catalysts for direct synthesis of dimethyl ether from CO₂. New Journal of Chemistry, 2022, 46, 3889-3900.	2.8	8
3	Efficient Promoters and Reaction Paths in the CO₂ Hydrogenation to Light Olefins over Zirconia-Supported Iron Catalysts. ACS Catalysis, 2022, 12, 3211-3225.	11.2	29
4	Multi-output machine learning models for kinetic data evaluation : A Fischerâ€“Tropsch synthesis case study. Chemical Engineering Journal, 2022, 446, 137186.	12.7	16
5	Dual Metalâ€“Acid Pd-Br Catalyst for Selective Hydrodeoxygenation of 5-Hydroxymethylfurfural (HMF) to 2,5-Dimethylfuran at Ambient Temperature. ACS Catalysis, 2021, 11, 19-30.	11.2	65
6	Preparation of alumina based tubular asymmetric membranes incorporated with coal fly ash by centrifugal casting. Ceramics International, 2021, 47, 4187-4196.	4.8	21
7	Carbon-based catalysts for Fischerâ€“Tropsch synthesis. Chemical Society Reviews, 2021, 50, 2337-2366.	38.1	188
8	Lignin Compounds to Monoaromatics: Selective Cleavage of Câˆ’O Bonds over a Brominated Ruthenium Catalyst. Angewandte Chemie - International Edition, 2021, 60, 12513-12523.	13.8	53
9	Lignin Compounds to Monoaromatics: Selective Cleavage of Câˆ’O Bonds over a Brominated Ruthenium Catalyst. Angewandte Chemie, 2021, 133, 12621-12631.	2.0	10
10	Highlights and challenges in the selective reduction of carbon dioxide to methanol. Nature Reviews Chemistry, 2021, 5, 564-579.	30.2	253
11	Major routes in the photocatalytic methane conversion into chemicals and fuels under mild conditions. Applied Catalysis B: Environmental, 2021, 286, 119913.	20.2	78
12	Embryonic zeolites for highly efficient synthesis of dimethyl ether from syngas. Microporous and Mesoporous Materials, 2021, 322, 111138.	4.4	9
13	Surface molecular imprinting over supported metal catalysts for size-dependent selective hydrogenation reactions. Nature Catalysis, 2021, 4, 595-606.	34.4	52
14	Solid micellar Ru single-atom catalysts for the water-free hydrogenation of CO2 to formic acid. Applied Catalysis B: Environmental, 2021, 290, 120036.	20.2	43
15	Design of ruthenium-zeolite nanocomposites for enhanced hydrocarbon synthesis from syngas. Journal of Materials Science, 2021, 56, 18019-18030.	3.7	5
16	Active phases for high temperature Fischer-Tropsch synthesis in the silica supported iron catalysts promoted with antimony and tin. Applied Catalysis B: Environmental, 2021, 292, 120141.	20.2	35
17	Bismuth mobile promoter and cobalt-bismuth nanoparticles in carbon nanotube supported Fischer-Tropsch catalysts with enhanced stability. Journal of Catalysis, 2021, 401, 102-114.	6.2	9
18	Unravelling the influence of catalyst properties on light olefin production via Fischerâ€“Tropsch synthesis: A descriptor space investigation using Single-Event MicroKinetics. Chemical Engineering Journal, 2021, 419, 129633.	12.7	10

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19	Machine learning based interpretation of microkinetic data: a Fischerâ€“Tropsch synthesis case study. Reaction Chemistry and Engineering, 2021, 7, 101-110.	3.7	12
20	Iron and copper nanoparticles inside and outside carbon nanotubes: Nanoconfinement, migration, interaction and catalytic performance in Fischer-Tropsch synthesis. Journal of Catalysis, 2021, 404, 306-323.	6.2	9
21	Assessment of metal sintering in the copper-zeolite hybrid catalyst for direct dimethyl ether synthesis using synchrotron-based X-ray absorption and diffraction. Catalysis Today, 2020, 343, 199-205.	4.4	4
22	Size and promoter effects on iron nanoparticles confined in carbon nanotubes and their catalytic performance in light olefin synthesis from syngas. Catalysis Today, 2020, 357, 203-213.	4.4	17
23	Selective Deposition of Cobalt and Copper Oxides on BiVO₄ Facets for Enhancement of CO₂ Photocatalytic Reduction to Hydrocarbons. ChemCatChem, 2020, 12, 740-749.	3.7	28
24	The Fischerâ€“Tropsch reaction in the aqueous phase over rhodium catalysts: a promising route to selective synthesis and separation of oxygenates and hydrocarbons. Chemical Communications, 2020, 56, 277-280.	4.1	6
25	Stoichiometric methane conversion to ethane using photochemical looping at ambient temperature. Nature Energy, 2020, 5, 511-519.	39.5	130
26	Alcohol amination over titania-supported ruthenium nanoparticles. Catalysis Science and Technology, 2020, 10, 4396-4404.	4.1	15
27	Mobility and versatility of the liquid bismuth promoter in the working iron catalysts for light olefin synthesis from syngas. Chemical Science, 2020, 11, 6167-6182.	7.4	17
28	Number and intrinsic activity of cobalt surface sites in platinum promoted zeolite catalysts for carbon monoxide hydrogenation. Catalysis Science and Technology, 2020, 10, 2137-2144.	4.1	4
29	Highly Efficient and Selective N-Alkylation of Amines with Alcohols Catalyzed by in Situ Rehydrated Titanium Hydroxide. ACS Catalysis, 2020, 10, 3404-3414.	11.2	24
30	Coreâ€“Shell Metal Zeolite Composite Catalysts for In Situ Processing of Fischerâ€“Tropsch Hydrocarbons to Gasoline Type Fuels. ACS Catalysis, 2020, 10, 2544-2555.	11.2	34
31	Disassembly of Supported Co and Ni Nanoparticles by Carbon Deposition for the Synthesis of Highly Dispersed and Active Catalysts. ACS Catalysis, 2020, 10, 6231-6239.	11.2	5
32	Identification of efficient promoters and selectivity trends in high temperature Fischer-Tropsch synthesis over supported iron catalysts. Applied Catalysis B: Environmental, 2020, 273, 119028.	20.2	45
33	Tuning the Metalâ€“Support Interaction and Enhancing the Stability of Titania-Supported Cobalt Fischerâ€“Tropsch Catalysts via Carbon Nitride Coating. ACS Catalysis, 2020, 10, 5554-5566.	11.2	39
34	A multifaceted role of a mobile bismuth promoter in alcohol amination over cobalt catalysts. Green Chemistry, 2020, 22, 4270-4278.	9.0	19
35	Synergy of nanoconfinement and promotion in the design of efficient supported iron catalysts for direct olefin synthesis from syngas. Journal of Catalysis, 2019, 376, 1-16.	6.2	26
36	Versatile Roles of Metal Species in Carbon Nanotube Templates for the Synthesis of Metalâ€“Zeolite Nanocomposite Catalysts. ACS Applied Nano Materials, 2019, 2, 4507-4517.	5.0	9

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37	Design of coreâ€“shell titaniaâ€“heteropolyacidâ€“metal nanocomposites for photocatalytic reduction of CO2 to CO at ambient temperature. Nanoscale Advances, 2019, 1, 4321-4330.	4.6	6
38	Influence of sintering temperature on the development of alumina membrane shaped by centrifugal casting for gas separation. Ceramica, 2019, 65, 99-103.	0.8	4
39	Catalyst Deactivation for Enhancement of Selectivity in Alcohols Amination to Primary Amines. ACS Catalysis, 2019, 9, 5986-5997.	11.2	36
40	External surface phenomena in dealumination and desilication of large single crystals of ZSM-5 zeolite synthesized from a sustainable source. Microporous and Mesoporous Materials, 2019, 286, 57-64.	4.4	44
41	Ion-exchanged zeolite P as a nanostructured catalyst for biodiesel production. Energy Reports, 2019, 5, 357-363.	5.1	16
42	Selective photocatalytic conversion of methane into carbon monoxide over zinc-heteropolyacid-titania nanocomposites. Nature Communications, 2019, 10, 700.	12.8	98
43	In Situ Generation of BrÃ¸nsted Acidity in the Pd-I Bifunctional Catalysts for Selective Reductive Etherification of Carbonyl Compounds under Mild Conditions. ACS Catalysis, 2019, 9, 2940-2948.	11.2	53
44	Nickelâ€“zeolite composite catalysts with metal nanoparticles selectively encapsulated in the zeolite micropores. Journal of Materials Science, 2019, 54, 5399-5411.	3.7	27
45	Self-Regeneration of Cobalt and Nickel Catalysts Promoted with Bismuth for Non-deactivating Performance in Carbon Monoxide Hydrogenation. ACS Catalysis, 2019, 9, 991-1000.	11.2	14
46	Influence of Impregnation and Ion Exchange Sequence on Metal Localization, Acidity and Catalytic Performance of Cobalt BEA Zeolite Catalysts in Fischerâ€Tropsch Synthesis. ChemCatChem, 2019, 11, 568-574.	3.7	20
47	Effects of the promotion with bismuth and lead on direct synthesis of light olefins from syngas over carbon nanotube supported iron catalysts. Applied Catalysis B: Environmental, 2018, 234, 153-166.	20.2	68
48	Direct Production of Isoâ€Paraffins from Syngas over Hierarchical Cobaltâ€ZSMâ€5 Nanocomposites Synthetized by using Carbon Nanotubes as Sacrificial Templates. ChemCatChem, 2018, 10, 2291-2299.	3.7	25
49	Selectivity shift from paraffins to Î±-olefins in low temperature Fischerâ€“Tropsch synthesis in the presence of carboxylic acids. Chemical Communications, 2018, 54, 2345-2348.	4.1	18
50	Structure-Sensitive and Insensitive Reactions in Alcohol Amination over Nonsupported Ru Nanoparticles. ACS Catalysis, 2018, 8, 11226-11234.	11.2	60
51	Ruthenium silica nanoreactors with varied metalâ€“wall distance for efficient control of hydrocarbon distribution in Fischerâ€“Tropsch synthesis. Journal of Catalysis, 2018, 365, 429-439.	6.2	13
52	Promotion of lanthanum-supported cobalt-based catalysts for the Fischerâ€“Tropsch reaction. Comptes Rendus Chimie, 2017, 20, 40-46.	0.5	20
53	Influence of copper and potassium on the structure and carbidisation of supported iron catalysts for Fischerâ€“Tropsch synthesis. Catalysis Science and Technology, 2017, 7, 2325-2334.	4.1	52
54	Syngas to Chemicals: The Incorporation of Aldehydes into Fischerâ€“Tropsch Synthesis. ChemCatChem, 2017, 9, 1040-1046.	3.7	9

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55	Synthesis and performance of vanadium-based catalysts for the selective oxidation of light alkanes. Catalysis Today, 2017, 298, 145-157.	4.4	32
56	Effect of potassium promotion on the structure and performance of alumina supported carburized molybdenum catalysts for Fischer-Tropsch synthesis. Applied Catalysis A: General, 2017, 542, 154-162.	4.3	35
57	New shearing mechanical coating technology for synthesis of alumina-supported cobalt Fischerâ€“Tropsch solid catalysts. Journal of Materials Chemistry A, 2017, 5, 9148-9155.	10.3	11
58	Design of nanocomposites with cobalt encapsulated in the zeolite micropores for selective synthesis of isoparaffins in Fischerâ€“Tropsch reaction. Catalysis Science and Technology, 2017, 7, 5019-5027.	4.1	40
59	Soldering of Iron Catalysts for Direct Synthesis of Light Olefins from Syngas under Mild Reaction Conditions. ACS Catalysis, 2017, 7, 6445-6452.	11.2	42
60	Optimization of solvent-free mechanochemical synthesis of Co/Al2O3 catalysts using low- and high-energy processes. Journal of Materials Science, 2017, 52, 12031-12043.	3.7	11
61	New molybdenum-based catalysts for dry reforming of methane in presence of sulfur: A promising way for biogas valorization. Catalysis Today, 2017, 289, 143-150.	4.4	39
62	Mechanistic Aspects of the Activation of Silicaâ€Supported Iron Catalysts for Fischerâ€“Tropsch Synthesis in Carbon Monoxide and Syngas. ChemCatChem, 2016, 8, 390-395.	3.7	17
63	Solvent-free synthesis of alumina supported cobalt catalysts for Fischerâ€“Tropsch synthesis. Journal of Energy Chemistry, 2016, 25, 1001-1007.	12.9	12
64	The role of carbon pre-coating for the synthesis of highly efficient cobalt catalysts for Fischerâ€“Tropsch synthesis. Journal of Catalysis, 2016, 337, 260-271.	6.2	72
65	Elucidation of deactivation phenomena in cobalt catalyst for Fischer-Tropsch synthesis using SSITKA. Journal of Catalysis, 2016, 344, 669-679.	6.2	37
66	The Role of Steric Effects and Acidity in the Direct Synthesis of <i>iso</i>â€Paraffins from Syngas on Cobalt Zeolite Catalysts. ChemCatChem, 2016, 8, 380-389.	3.7	47
67	Effects of co-feeding with nitrogen-containing compounds on the performance of supported cobalt and iron catalysts in Fischerâ€“Tropsch synthesis. Catalysis Today, 2016, 275, 84-93.	4.4	22
68	Direct dimethyl ether synthesis from syngas on copperâ€“zeolite hybrid catalysts with a wide range of zeolite particle sizes. Journal of Catalysis, 2016, 338, 227-238.	6.2	71
69	Design of iron catalysts supported on carbonâ€“silica composites with enhanced catalytic performance in high-temperature Fischerâ€“Tropsch synthesis. Catalysis Science and Technology, 2016, 6, 4953-4961.	4.1	26
70	Nanoreactors: An Efficient Tool To Control the Chain-Length Distribution in Fischerâ€“Tropsch Synthesis. ACS Catalysis, 2016, 6, 1785-1792.	11.2	70
71	Potassium promotion effects in carbon nanotube supported molybdenum sulfide catalysts for carbon monoxide hydrogenation. Catalysis Today, 2016, 261, 137-145.	4.4	16
72	Pore size effects in high-temperature Fischerâ€“Tropsch synthesis over supported iron catalysts. Journal of Catalysis, 2015, 328, 139-150.	6.2	151

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73	Speciation of Ruthenium as a Reduction Promoter of Silica-Supported Co Catalysts: A Time-Resolved in Situ XAS Investigation. ACS Catalysis, 2015, 5, 1273-1282.	11.2	76
74	The role of carbon atoms of supported iron carbides in Fischerâ€“Tropsch synthesis. Catalysis Science and Technology, 2015, 5, 1433-1437.	4.1	73
75	Opportunities for intensification of Fischerâ€“Tropsch synthesis through reduced formation of methane over cobalt catalysts in microreactors. Catalysis Science and Technology, 2015, 5, 1400-1411.	4.1	38
76	Sodium-promoted iron catalysts prepared on different supports for high temperature Fischerâ€“Tropsch synthesis. Applied Catalysis A: General, 2015, 502, 204-214.	4.3	78
77	Effect of Sn additives on the CuZnAlâ€“HZSM-5 hybrid catalysts for the direct DME synthesis from syngas. Applied Catalysis A: General, 2015, 502, 370-379.	4.3	31
78	Design of efficient Fischer Tropsch cobalt catalysts via plasma enhancement: Reducibility and performance (Review). Catalysis Today, 2015, 256, 41-48.	4.4	55
79	Impact of potassium content on the structure of molybdenum nanophases in alumina supported catalysts and their performance in carbon monoxide hydrogenation. Applied Catalysis A: General, 2015, 504, 565-575.	4.3	28
80	Effect of a carrierâ€™s nature on the activation of supported iron catalysts. Russian Journal of Physical Chemistry A, 2015, 89, 2032-2035.	0.6	1
81	Heterogeneously catalyzed reactive extraction for biomass valorization into chemicals and fuels. Green Processing and Synthesis, 2015, 4, .	3.4	2
82	Mastering a biphasic single-reactor process for direct conversion of glycerol into liquid hydrocarbon fuels. Green Chemistry, 2014, 16, 2128-2131.	9.0	4
83	Molecular structure and localization of carbon species in alumina supported cobalt Fischerâ€“Tropsch catalysts in a slurry reactor. Catalysis Today, 2014, 228, 65-76.	4.4	32
84	Effects of Metal Promotion on the Performance of CuZnAl Catalysts for Alcohol Synthesis. ChemCatChem, 2014, 6, 1788-1793.	3.7	50
85	Cobalt and iron species in alumina supported bimetallic catalysts for Fischerâ€“Tropsch reaction. Applied Catalysis A: General, 2014, 481, 116-126.	4.3	57
86	Direct Evidence of Surface Oxidation of Cobalt Nanoparticles in Alumina-Supported Catalysts for Fischerâ€“Tropsch Synthesis. ACS Catalysis, 2014, 4, 4510-4515.	11.2	62
87	Impact and Detailed Action of Sulfur in Syngas on Methane Synthesis on Ni/Î³-Al₂O₃ Catalyst. ACS Catalysis, 2014, 4, 2785-2791.	11.2	49
88	Fischerâ€“Tropsch synthesis on a ruthenium catalyst in two-phase systems: an excellent opportunity for the control of reaction rate and selectivity. Catalysis Science and Technology, 2014, 4, 2896-2899.	4.1	23
89	The role of external acid sites of ZSM-5 in deactivation of hybrid CuZnAl/ZSM-5 catalyst for direct dimethyl ether synthesis from syngas. Applied Catalysis A: General, 2014, 486, 266-275.	4.3	62
90	Support effects in high temperature Fischer-Tropsch synthesis on iron catalysts. Applied Catalysis A: General, 2014, 488, 66-77.	4.3	92

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91	Effect of Different Reaction Conditions on the Deactivation of Alumina-Supported Cobalt Fischerâ€“Tropsch Catalysts in a Milli-Fixed-Bed Reactor: Experiments and Modeling. Industrial & Engineering Chemistry Research, 2014, 53, 6913-6922.	3.7	42
92	Size effects in the sequential oxidation-reduction of Co nanoparticles in the Co/SiO2 catalyst. Russian Journal of Physical Chemistry A, 2013, 87, 1349-1352.	0.6	5
93	Deactivation of a Co/Al2O3 Fischerâ€“Tropsch catalyst by water-induced sintering in slurry reactor: Modeling and experimental investigations. Catalysis Today, 2013, 215, 52-59.	4.4	49
94	Effects of Î²-cyclodextrin introduction to zirconia supported-cobalt oxide catalysts: From molecule-ion associations to complete oxidation of formaldehyde. Applied Catalysis B: Environmental, 2013, 138-139, 381-390.	20.2	82
95	Influence of operating conditions in a continuously stirred tank reactor on the formation of carbon species on alumina supported cobalt Fischerâ€“Tropsch catalysts. Catalysis Today, 2013, 215, 43-51.	4.4	39
96	Kinetic investigation of carbon monoxide hydrogenation under realistic conditions of methanation of biomass derived syngas. Fuel, 2013, 111, 845-854.	6.4	45
97	De Novo Design of Nanostructured Ironâ€“Cobalt Fischerâ€“Tropsch Catalysts. Angewandte Chemie - International Edition, 2013, 52, 4397-4401.	13.8	103
98	Dimensional Effects in the Carbidization of Supported Iron Nanoparticles. ChemCatChem, 2013, 5, 1758-1761.	3.7	10
99	Modeling of fixed bed methanation reactor for syngas production: Operating window and performance characteristics. Fuel, 2013, 107, 254-260.	6.4	34
100	Influence of the support and promotion on the structure and catalytic performance of copperâ€“cobalt catalysts for carbon monoxide hydrogenation. Fuel, 2013, 103, 1111-1122.	6.4	57
101	Agglomeration at the Micrometer Length Scale of Cobalt Nanoparticles in Aluminaâ€Supported Fischerâ€“Tropsch Catalysts in a Slurry Reactor. ChemCatChem, 2013, 5, 728-731.	3.7	17
102	Mechanistic Modeling of Cobalt Based Catalyst Sintering in a Fixed Bed Reactor under Different Conditions of Fischerâ€“Tropsch Synthesis. Industrial & Engineering Chemistry Research, 2012, 51, 11955-11964.	3.7	69
103	Structure and catalytic performance of alumina-supported copperâ€“cobalt catalysts for carbon monoxide hydrogenation. Journal of Catalysis, 2012, 286, 51-61.	6.2	186
104	A Timeâ€Resolved In Situ Quickâ€XAS Investigation of Thermal Activation of Fischerâ€“Tropsch Silicaâ€Supported Cobalt Catalysts. Chemistry - A European Journal, 2012, 18, 2802-2805.	3.3	24
105	Î²-Cyclodextrin for design of alumina supported cobalt catalysts efficient in Fischerâ€“Tropsch synthesis. Chemical Communications, 2011, 47, 10767.	4.1	36
106	Structure and catalytic performance of Pt-promoted alumina-supported cobalt catalysts under realistic conditions of Fischerâ€“Tropsch synthesis. Journal of Catalysis, 2011, 277, 14-26.	6.2	211
107	Impact of sorbitol addition on the structure and performance of silica-supported cobalt catalysts for Fischerâ€“Tropsch synthesis. Catalysis Today, 2011, 175, 528-533.	4.4	39
108	Identification of the active species in the working alumina-supported cobalt catalyst under various conditions of Fischerâ€“Tropsch synthesis. Catalysis Today, 2011, 164, 62-67.	4.4	87

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109	Influence of sub-stoichiometric sorbitol addition modes on the structure and catalytic performance of alumina-supported cobalt Fischerâ€"Tropsch catalysts. Catalysis Today, 2011, 171, 180-185.	4.4	27
110	Fischerâ€"Tropsch synthesis in milli-fixed bed reactor: Comparison with centimetric fixed bed and slurry stirred tank reactors. Catalysis Today, 2011, 171, 201-206.	4.4	53
111	Plasma-assisted design of supported cobalt catalysts for Fischer-Tropsch synthesis. Studies in Surface Science and Catalysis, 2010, , 253-257.	1.5	8
112	Cobalt species and cobalt-support interaction in glow discharge plasma-assisted Fischerâ€"Tropsch catalysts. Journal of Catalysis, 2010, 273, 9-17.	6.2	103
113	TAP investigation of hydrogen and carbon monoxide adsorption on a silica-supported cobalt catalyst. Applied Catalysis A: General, 2010, 375, 116-123.	4.3	10
114	Effects of zirconia promotion on the structure and performance of smaller and larger pore silica-supported cobalt catalysts for Fischerâ€"Tropsch synthesis. Applied Catalysis A: General, 2010, 382, 28-35.	4.3	36
115	In situXRD investigation of the evolution of alumina-supported cobaltcatalysts under realistic conditions of Fischer-Tropsch synthesis. Chemical Communications, 2010, 46, 788-790.	4.1	110
116	Characterization of cobalt nanoparticles on different supports for Fischer-Tropsch synthesis. Studies in Surface Science and Catalysis, 2010, 175, 763-766.	1.5	2
117	Magnetic Characterization of Fischer-Tropsch Catalysts. Oil and Gas Science and Technology, 2009, 64, 25-48.	1.4	47
118	Enhancing cobalt dispersion in supported Fischer-Tropsch catalysts via controlled decomposition of cobalt precursors. Brazilian Journal of Physics, 2009, 39, 171-175.	1.4	30
119	Promotion of Cobalt Fischer-Tropsch Catalysts with Noble Metals: a Review. Oil and Gas Science and Technology, 2009, 64, 11-24.	1.4	156
120	Cobalt supported on alumina and silica-doped alumina: Catalyst structure and catalytic performance in Fischerâ€"Tropsch synthesis. Comptes Rendus Chimie, 2009, 12, 660-667.	0.5	44
121	Effect of promotion with ruthenium on the structure and catalytic performance of mesoporous silica (smaller and larger pore) supported cobalt Fischerâ€"Tropsch catalysts. Catalysis Today, 2009, 140, 135-141.	4.4	57
122	Intergranular and intragranular cobalt repartitions in alumina supported Fischerâ€"Tropsch catalysts promoted with platinum. Comptes Rendus Chimie, 2009, 12, 668-676.	0.5	5
123	The nature of cobalt species in carbon nanotubes and their catalytic performance in Fischerâ€"Tropsch reaction. Journal of Materials Chemistry, 2009, 19, 9241.	6.7	88
124	Fischer-Tropsch synthesis: Relations between structure of cobalt catalysts and their catalytic performance. Catalysis Today, 2009, 144, 251-257.	4.4	239
125	Initial stages of SBA-15 synthesis: An overview. Advances in Colloid and Interface Science, 2008, 142, 67-74.	14.7	75
126	Glowâ€Discharge Plasmaâ€Assisted Design of Cobalt Catalysts for Fischerâ€"Tropsch Synthesis. Angewandte Chemie - International Edition, 2008, 47, 5052-5055.	13.8	149

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127	The influence of the temperature of calcining on Co particle-size distribution in the Co/Al2O3 catalyst for the Fischer-Tropsch synthesis. Russian Journal of Physical Chemistry A, 2008, 82, 951-955.	0.6	8
128	SANS study of the mechanisms and kinetics of the synthesis of mesoporous materials from micelles of tri-block copolymers. Studies in Surface Science and Catalysis, 2008, , 805-810.	1.5	6
129	New insights into the initial steps of the formation of SBA-15 materials: an in situ small angle neutron scattering investigation. Chemical Communications, 2007, , 834-836.	4.1	39
130	Cobalt dispersion, reducibility, and surface sites in promoted silica-supported Fischerâ€“Tropsch catalysts. Journal of Catalysis, 2007, 248, 143-157.	6.2	178
131	Cobalt species in promoted cobalt alumina-supported Fischerâ€“Tropsch catalysts. Journal of Catalysis, 2007, 252, 215-230.	6.2	262
132	Advances in the Development of Novel Cobalt Fischerâ^'Tropsch Catalysts for Synthesis of Long-Chain Hydrocarbons and Clean Fuels. Chemical Reviews, 2007, 107, 1692-1744.	47.7	2,045
133	Kinetic study and modeling of Fischerâ€“Tropsch reaction over aCo/Al2O3catalyst in a slurry reactor. Chemical Engineering Science, 2007, 62, 5353-5356.	3.8	23
134	In situ characterization of the genesis of cobalt metal particles in silica-supported Fischer-Tropsch catalysts using Foner magnetic method. Applied Catalysis A: General, 2006, 306, 108-119.	4.3	86
135	The influence of Ru and Re admixtures on the size of Co particles in Co/SiO2 catalysts of the fischer-tropsch synthesis. Russian Journal of Physical Chemistry A, 2006, 80, 732-737.	0.6	1
136	Impact of aqueous impregnation on the long-range ordering and mesoporous structure of cobalt containing MCM-41 and SBA-15 materials. Microporous and Mesoporous Materials, 2005, 79, 29-39.	4.4	114
137	Influence of syngas composition on the transient behavior of a Fischerâ€“Tropsch continuous slurry reactor. Catalysis Today, 2005, 106, 137-142.	4.4	31
138	Effect of cobalt precursor and pretreatment conditions on the structure and catalytic performance of cobalt silica-supported Fischer?Tropsch catalysts. Journal of Catalysis, 2005, 230, 339-352.	6.2	173
139	Optimization of the pretreatment procedure in the design of cobalt silica supported Fischerâ€“Tropsch catalysts. Catalysis Today, 2005, 106, 161-165.	4.4	58
140	Transient studies of the elementary steps of Fischerâ€“Tropsch synthesis. Catalysis Today, 2005, 106, 132-136.	4.4	12
141	Chemisorption of C3 hydrocarbons on cobalt silica supported Fischer?Tropsch catalysts. Catalysis Letters, 2005, 101, 117-126.	2.6	22
142	A new experimental cell forin situandoperandoX-ray absorption measurements in heterogeneous catalysis. Journal of Synchrotron Radiation, 2005, 12, 680-684.	2.4	23
143	Characterization of the Initial Stages of SBA-15 Synthesis by in Situ Time-Resolved Small-Angle X-ray Scattering. Journal of Physical Chemistry B, 2005, 109, 22780-22790.	2.6	87
144	Synthesis of Moâ€“W carbide via propane carburization of the precursor sulfide: Kinetic analysis. Journal of Chemical Technology and Biotechnology, 2004, 79, 286-290.	3.2	6

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145	Physicochemical attributes of oxide supported Mo2N catalysts synthesised via sulphide nitridation. Journal of Molecular Catalysis A, 2004, 211, 191-197.	4.8	4
146	Genesis of active sites in silica supported cobalt Fischer-Tropsch catalysts: effect of cobalt precursor and support texture. Studies in Surface Science and Catalysis, 2004, 147, 295-300.	1.5	20
147	Synchrotron X-ray diffractionâ€"diffusion studies of the preparation of SBA-15 materials. Microporous and Mesoporous Materials, 2003, 66, 297-302.	4.4	29
148	Fischerâ€"Tropsch synthesis over silica supported cobalt catalysts: mesoporous structure versus cobalt surface density. Applied Catalysis A: General, 2003, 254, 273-288.	4.3	218
149	Synthesis of bimetallic Moâ€"W carbide from its sulphide precursor via propane carburization: statistical correlation of the physicochemical properties with preparation conditions. Catalysis Communications, 2003, 4, 353-359.	3.3	5
150	Support mesoporosity: a tool for better control of catalytic behavior of cobalt supported Fischer Tropsch catalysts. Studies in Surface Science and Catalysis, 2002, 144, 609-616.	1.5	56
151	Pore Size Effects in Fischer Tropsch Synthesis over Cobalt-Supported Mesoporous Silicas. Journal of Catalysis, 2002, 206, 230-241.	6.2	462
152	Pore-Size Control of Cobalt Dispersion and Reducibility in Mesoporous Silicas. Journal of Physical Chemistry B, 2001, 105, 9805-9811.	2.6	194
153	Effects of Support Composition and Pretreatment Conditions on the Structure of Vanadia Dispersed on SiO2, Al2O3, TiO2, ZrO2, and HfO2. Journal of Physical Chemistry B, 2000, 104, 1516-1528.	2.6	180
154	Structural Modification of Cobalt Catalysts: Effect of Wetting Studied by X-Ray and Infrared Techniques. Oil and Gas Science and Technology, 1999, 54, 525-536.	1.4	12
155	Structure and Catalytic Properties of Supported Vanadium Oxides: Support Effects on Oxidative Dehydrogenation Reactions. Journal of Catalysis, 1999, 181, 205-216.	6.2	573
156	Isotopic Tracer and Kinetic Studies of Oxidative Dehydrogenation Pathways on Vanadium Oxide Catalysts. Journal of Catalysis, 1999, 186, 325-333.	6.2	295
157	Ab initio study of single and double point adsorption of carbon monoxide on clusters representing zeolites. Physical Chemistry Chemical Physics, 1999, 1, 507-512.	2.8	4
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