Yi-Sheng Tan

List of Publications by Year
in descending order

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170	5,890	66343	102487
papers	citations	42 h-index	66 g-index

172	172	172	4974
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of calcination atmosphere on the performance of the coâ€precipitated <scp>Ni</scp>/<scp>ZrO₂</scp> catalyst in dry reforming of methane. Canadian Journal of Chemical Engineering, 2022, 100, .	1.7	9
2	FeMn@HZSM-5 capsule catalyst for light olefins direct synthesis via Fischer-Tropsch synthesis: Studies on depressing the CO2 formation. Applied Catalysis B: Environmental, 2022, 300, 120713.	20.2	40
3	Effect of calcination temperature on the structure and performance of molybdenum-tin catalyst for DME oxidation. Journal of Fuel Chemistry and Technology, 2022, 50, 63-71.	2.0	4
4	Optimizing surface oxygen vacancy sites for CO hydrogenation to isobutanol over ZnCr catalyst. Fuel, 2022, 315, 123234.	6.4	3
5	Controlling CO₂ hydrogenation selectivity by Rh-based catalysts with different crystalline phases of TiO₂. Chemical Communications, 2022, 58, 4219-4222.	4.1	11
6	Selective oxidation conversion of methanol/dimethyl ether. Chemical Communications, 2022, 58, 4687-4699.	4.1	11
7	Direct Conversion Syngas to Isobutanol over Ce/ZC Catalysts: Effect of Ce Promoter on the Catalytic Performance. ChemCatChem, 2022, 14, .	3.7	3
8	Study on the Synergistic Catalysis of CeO₂ Regulated Co⁰â€“Co^{Î´+} Dual Sites for Direct Synthesis of Higher Alcohols from Syngas. Industrial & Engineering Chemistry Research, 2022, 61, 3900-3909.	3.7	8
9	Effect of La2O3- decorated SiO2 on the performance of CuCo catalyst for direct conversion of syngas to ethanol. Fuel, 2022, 319, 123811.	6.4	2
10	Catalytic conversion of CO2 into high value-added hydrocarbons over tandem catalyst. Journal of Fuel Chemistry and Technology, 2022, 50, 538-563.	2.0	13
11	Insights into the one-step ethanol synthesis through CO hydrogenation over surfactant-assisted preparation of CuCo/SiO2 catalyst. Fuel, 2022, 327, 125078.	6.4	1
12	Effects of silylation on Ga/HZSM-5 for improved propane dehydroaromatization. Fuel, 2021, 283, 118889.	6.4	20
13	Promotion effect of La on oxygen vacancy formation over Zn-Cr based catalyst for isobutanol synthesis from syngas. Fuel, 2021, 288, 119633.	6.4	18
14	Effective Suppression of CO Selectivity for CO₂ Hydrogenation to High-Quality Gasoline. ACS Catalysis, 2021, 11, 1528-1547.	11.2	54
15	Role of Ga³⁺ promoter in the direct synthesis of iso-butanol via syngas over a Kâ€“ZnO/ZnCr₂O₄ catalyst. Catalysis Science and Technology, 2021, 11, 1077-1088.	4.1	5
16	Effect of Hydroxyl Groups on CuCoMg Nanosheets for Ethanol and Higher Alcohol Synthesis from Syngas. Industrial & Engineering Chemistry Research, 2021, 60, 2388-2399.	3.7	17
17	Probing Hydrophobization of a Cu/ZnO Catalyst for Suppression of Waterâ€“Gas Shift Reaction in Syngas Conversion. ACS Catalysis, 2021, 11, 4633-4643.	11.2	34
18	Propane Aromatization Tuned by Tailoring Cr Modified Ga/ZSMâ€5 Catalysts. ChemCatChem, 2021, 13, 3601-3610.	3.7	3

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19	Effect of iron on ZrO2-based catalysts for direct synthesis of isobutanol from syngas. Fuel, 2021, 304, 121342.	6.4	4
20	Effects of calcination temperature on the catalytic performance of Ti(SO4)2/CS for DME direct oxidation to polyoxymethylene dimethyl ethers. Journal of Fuel Chemistry and Technology, 2021, 49, 72-79.	2.0	3
21	Construction of atomically dispersed Cu sites and S vacancies on CdS for enhanced photocatalytic CO₂reduction. Journal of Materials Chemistry A, 2021, 9, 16339-16344.	10.3	41
22	Tuning the Cu⁺ species of Cu-based catalysts for direct synthesis of ethanol from syngas. New Journal of Chemistry, 2021, 45, 20832-20839.	2.8	9
23	CuCo alloy nanonets derived from CuCo₂O₄ spinel oxides for higher alcohols synthesis from syngas. Catalysis Science and Technology, 2021, 11, 7617-7623.	4.1	5
24	Oxidative coupling of methane over Moâ€“Sn catalysts. Chemical Communications, 2021, 57, 13297-13300.	4.1	4
25	Low-temperature oxidation of methanol to dimethoxymethane over Mo-Sn catalyst. Journal of Fuel Chemistry and Technology, 2021, 49, 1487-1494.	2.0	3
26	Biomass-Based Carbon-Supported Sulfate Catalyst for Efficient Synthesis of Dimethoxymethane from Direct Oxidation of Dimethyl Ether. Journal of Physical Chemistry Letters, 2021, 12, 11795-11801.	4.6	8
27	Effects of the surface adsorbed oxygen species tuned by rare-earth metal doping on dry reforming of methane over Ni/ZrO2 catalyst. Applied Catalysis B: Environmental, 2020, 264, 118522.	20.2	136
28	LDH-Derived (CuZn)_xAl_y Bifunctional Catalyst for Direct Synthesis of Dimethyl Ether from Syngas. Industrial & Engineering Chemistry Research, 2020, 59, 11087-11097.	3.7	13
29	How the reflux treatment stabilizes the metastable structure of ZrO2 and improves the performance of Ni/ZrO2 catalyst for dry reforming of methane?. Energy Conversion and Management, 2020, 216, 112950.	9.2	17
30	Induced high selectivity methanol formation during CO2 hydrogenation over a CuBr2-modified CuZnZr catalyst. Journal of Catalysis, 2020, 389, 47-59.	6.2	44
31	Understanding the correlation between calcination temperature and performance in lowâ€temperature methanation over Niâ€Zr/Al 2 O 3 catalysts. Canadian Journal of Chemical Engineering, 2020, 98, 1525-1533.	1.7	0
32	Study on the performance of F-T component modified KCuZrO2 catalyst for CO hydrogenation to isobutanol. Journal of Fuel Chemistry and Technology, 2020, 48, 302-310.	2.0	4
33	Effect of alkalineâ€earth metals on synthesis of isobutyraldehyde from methanol and ethanol over Cuâ€MeO x /Tiâ€SBAâ€15 catalysts (Meâ€‰=â€‰Mg, Ca, Sr, Ba). Canadian Journal of Chemical Engineering, 2019, 97, 1139-1143.	1.7	0
34	Hierarchical H-MOR Zeolite Supported Vanadium Oxide for Dimethyl Ether Direct Oxidation. Catalysts, 2019, 9, 628.	3.5	6
35	The synergistic effect between ZnO and ZnCr2O4 on the catalytic performance for isobutanol synthesis from syngas. Fuel, 2019, 253, 1570-1577.	6.4	33
36	MoO3-SnO2 catalyst prepared by hydrothermal synthesis method for dimethyl ether catalytic oxidation. Journal of Fuel Chemistry and Technology, 2019, 47, 934-941.	2.0	17

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37	Macroscopic assembly style of catalysts significantly determining their efficiency for converting CO₂ to gasoline. Catalysis Science and Technology, 2019, 9, 5401-5412.	4.1	30
38	Hydrogenation of CO₂ into aromatics over a ZnCrO_xâ€“zeolite composite catalyst. Chemical Communications, 2019, 55, 973-976.	4.1	102
39	Methane decomposition and carbon deposition over Ni/ZrO2 catalysts: Comparison of amorphous, tetragonal, and monoclinic zirconia phase. International Journal of Hydrogen Energy, 2019, 44, 17887-17899.	7.1	51
40	Insights into the deactivation mechanism of Zn-Cr binary catalyst for isobutanol synthesis via syngas. Fuel Processing Technology, 2019, 193, 53-62.	7.2	11
41	Effect of Potassium on the Regulation of C₁ Intermediates in Isobutyl Alcohol Synthesis from Syngas over CuLaZrO₂ Catalysts. Industrial & Engineering Chemistry Research, 2019, 58, 9343-9351.	3.7	9
42	Insight into the branched alcohol formation mechanism on Kâ€“ZnCr catalysts from syngas. Catalysis Science and Technology, 2019, 9, 2592-2600.	4.1	15
43	Ethanol and Higher Alcohols Synthesis from Syngas over CuCoM (M=Fe, Cr, Ga and Al) Nanoplates Derived From Hydrotalciteâ€Like Precursors. ChemCatChem, 2019, 11, 2695-2706.	3.7	29
44	The Support Effects on the Direct Conversion of Syngas to Higher Alcohol Synthesis over Copper-Based Catalysts. Catalysts, 2019, 9, 199.	3.5	16
45	Highly-dispersed Ru nanoparticles sputtered on graphene for hydrogen production. International Journal of Hydrogen Energy, 2019, 44, 7320-7325.	7.1	26
46	Insight into activation of CO and initial C2 oxygenate formation during synthesis of higher alcohols from syngas on the model catalyst K2O/Cu(111) surface. Applied Surface Science, 2019, 479, 55-63.	6.1	7
47	Insight into the Correlation between Cu Species Evolution and Ethanol Selectivity in the Direct Ethanol Synthesis from CO Hydrogenation. ChemCatChem, 2019, 11, 1123-1130.	3.7	11
48	Rationally Designing Bifunctional Catalysts as an Efficient Strategy To Boost CO₂ Hydrogenation Producing Value-Added Aromatics. ACS Catalysis, 2019, 9, 895-901.	11.2	236
49	Insight into the effects of the oxygen species over Ni/ZrO2 catalyst surface on methane reforming with carbon dioxide. Applied Catalysis B: Environmental, 2019, 244, 427-437.	20.2	168
50	Effect of Vaporâ€phaseâ€treatment to CuZnZr Catalyst on the Reaction Behaviors in CO₂ Hydrogenation into Methanol. ChemCatChem, 2019, 11, 1448-1457.	3.7	46
51	Effects of surface hydroxyl groups induced by the co-precipitation temperature on the catalytic performance of direct synthesis of isobutanol from syngas. Fuel, 2019, 237, 1021-1028.	6.4	16
52	Visibleâ€Light Direct Conversion of Ethanol to 1,1â€Diethoxyethane and Hydrogen over a Nonâ€Precious Metal Photocatalyst. Chemistry - A European Journal, 2019, 25, 189-194.	3.3	29
53	Vanadium oxide modified H-beta zeolite for the synthesis of polyoxymethylene dimethyl ethers from dimethyl ether direct oxidation. Fuel, 2019, 238, 289-297.	6.4	14
54	Ultrathin Visibleâ€Lightâ€Driven Mo Incorporating In₂O₃â€“ZnIn₂Se₄ Zâ€Scheme Nanosheet Photocatalysts. Advanced Materials, 2019, 31, e1807226.	21.0	165

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55	Isobutanol Synthesis from Syngas over Znâ€Cr Catalyst: Effect of Zn/Cr Element Ratio. Energy Technology, 2018, 6, 1805-1812.	3.8	9
56	Isobutanol synthesis from syngas on Zn-Cr based catalysts: New insights into the effect of morphology and facet of ZnO nanocrystal. Fuel, 2018, 217, 21-30.	6.4	29
57	Binary ZnO/Znâ€“Cr nanospinel catalysts prepared by a hydrothermal method for isobutanol synthesis from syngas. Catalysis Science and Technology, 2018, 8, 2975-2986.	4.1	32
58	Constructing Film Photocatalyst with Abundant Interfaces between CdS and Ni₃S₂ Nanosheets for Efficient Photocatalytic Hydrogen Production. Energy Technology, 2018, 6, 2132-2138.	3.8	21
59	Synthesis of Polyoxymethylene Dimethyl Ethers from Dimethyl Ether Direct Oxidation over Carbonâ€Based Catalysts. ChemCatChem, 2018, 10, 273-279.	3.7	26
60	Probing the promotional roles of cerium in the structure and performance of Cu/SiO₂ catalysts for ethanol production. Catalysis Science and Technology, 2018, 8, 6441-6451.	4.1	36
61	Synergetic catalysis of bimetallic copperâ€“cobalt nanosheets for direct synthesis of ethanol and higher alcohols from syngas. Catalysis Science and Technology, 2018, 8, 3936-3947.	4.1	49
62	Increased Dispersion of Nickel Particles Supported on Activated Carbon by Treating with Methyl Iodide. Catalysis Letters, 2018, 148, 3018-3023.	2.6	9
63	Effects of calcination temperature on structure-activity of K-ZrO2/Cu/Al2O3 catalysts for ethanol and isobutanol synthesis from CO hydrogenation. Fuel, 2018, 227, 199-207.	6.4	13
64	Insight into the Nanoparticle Growth in Supported Ni Catalysts during the Early Stage of CO Hydrogenation Reaction: The Important Role of Adsorbed CO Molecules. ACS Catalysis, 2018, 8, 6367-6374.	11.2	25
65	Visible light-driven methanol dehydrogenation and conversion into 1,1-dimethoxymethane over a non-noble metal photocatalyst under acidic conditions. Catalysis Science and Technology, 2018, 8, 3372-3378.	4.1	35
66	Effect of the promoter and support on cobalt-based catalysts for higher alcohols synthesis through CO hydrogenation. Fuel, 2017, 195, 69-81.	6.4	43
67	The role of different state ZnO over non-stoichiometric Znâ€“Cr spinel catalysts for isobutanol synthesis from syngas. Applied Catalysis A: General, 2017, 536, 57-66.	4.3	38
68	Synergistic Effect of a Boronâ€Doped Carbonâ€Nanotubeâ€Supported Cu Catalyst for Selective Hydrogenation of Dimethyl Oxalate to Ethanol. Chemistry - A European Journal, 2017, 23, 8252-8261.	3.3	47
69	CO 2 hydrogenation to methanol over Cu/Zn/Al/Zr catalysts prepared by liquid reduction. Chinese Journal of Catalysis, 2017, 38, 717-725.	14.0	37
70	A Study on the Order of Calcination and Liquid Reduction over Cu-Based Catalyst for Synthesis of Methanol from CO2/H2. Catalysis Letters, 2017, 147, 1235-1242.	2.6	12
71	Design of an Autoreduced Copper in Carbon Nanotube Catalyst to Realize the Precisely Selective Hydrogenation of Dimethyl Oxalate. ChemCatChem, 2017, 9, 1067-1075.	3.7	28
72	Insight into the role of hydroxyl groups on the ZnCr catalyst for isobutanol synthesis from syngas. Applied Catalysis A: General, 2017, 547, 1-11.	4.3	23

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73	Direct synthesis of isobutyraldehyde from methanol and ethanol on Cuâ€“Mg/Ti-SBA-15 catalysts: the role of Ti. New Journal of Chemistry, 2017, 41, 9639-9648.	2.8	4
74	Facile Preparation of Cuâ€Al Oxide Catalysts and Their Application in the Direct Synthesis of Ethanol from Syngas. ChemistrySelect, 2017, 2, 10365-10370.	1.5	11
75	Effect of calcination atmospheres on the catalytic performance of nano-CeO2 in direct synthesis of DMC from methanol and CO2. Korean Journal of Chemical Engineering, 2017, 34, 29-36.	2.7	18
76	Oxygenates Synthesis by Hydroformylation of 1-hexene over Co Nanoparticle Catalyst. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2017, 96, 186-189.	0.2	0
77	Influence of Co Precursor and Pt Additive on Catalytic Performance of Highly Active Co/SiO₂-based Fischer-Tropsch Synthesis Catalysts. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2017, 96, 250-254.	0.2	1
78	Low-Temperature Oxidation of Dimethyl Ether to Polyoxymethylene Dimethyl Ethers over CNT-Supported Rhenium Catalyst. Catalysts, 2016, 6, 43.	3.5	24
79	Study on the influence of oxygen-containing groups on the performance of Ni/AC catalysts in methanol vapor-phase carbonylation. Chemical Engineering Journal, 2016, 293, 129-138.	12.7	28
80	The effects of the Moâ€“Sn contact interface on the oxidation reaction of dimethyl ether to methyl formate at a low reaction temperature. Catalysis Science and Technology, 2016, 6, 6109-6117.	4.1	10
81	Synthesis of isoalkanes over a core (Feâ€“Znâ€“Zr)â€“shell (zeolite) catalyst by CO₂ hydrogenation. Chemical Communications, 2016, 52, 7352-7355.	4.1	95
82	Ti-SBA-15 supported Cuâ€“MgO catalyst for synthesis of isobutyraldehyde from methanol and ethanol. RSC Advances, 2016, 6, 85940-85950.	3.6	10
83	Preparation and characterization of NiW supported on Al-modified MCM-48 catalyst and its high hydrodenitrogenation activity and stability. RSC Advances, 2016, 6, 61747-61757.	3.6	10
84	Application of modified CNTs with Ti(SO₄)₂ in selective oxidation of dimethyl ether. Catalysis Science and Technology, 2016, 6, 7193-7202.	4.1	16
85	Regulation of SBA-15, Î³-Al2O3, ZSM-5â€‰and MgO on Molybdenum oxide and Consequent Effect on DME Oxidation Reaction. ChemistrySelect, 2016, 1, 6127-6135.	1.5	5
86	Effect of the dimensions of carbon nanotube channels on copperâ€“cobaltâ€“cerium catalysts for higher alcohols synthesis. Catalysis Communications, 2016, 75, 92-97.	3.3	20
87	The role of potassium promoter in isobutanol synthesis over Znâ€“Cr based catalysts. Catalysis Science and Technology, 2016, 6, 4105-4115.	4.1	37
88	Ternary copperâ€“cobaltâ€“cerium catalyst for the production of ethanol and higher alcohols through CO hydrogenation. Applied Catalysis A: General, 2016, 514, 14-23.	4.3	49
89	CO2 hydrogenation to methanol over Cu/ZnO/ZrO2 catalysts prepared by precipitation-reduction method. Applied Catalysis B: Environmental, 2016, 191, 8-17.	20.2	260
90	Dehydrogenation of propane over a hydrothermal-synthesized Ga₂O₃â€“Al₂O₃catalyst in the presence of carbon dioxide. Catalysis Science and Technology, 2016, 6, 5183-5195.	4.1	44

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91	Formic acid-assisted synthesis of highly efficient Cu/ZnO catalysts: effect of HCOOH/Cu molar ratios. Catalysis Science and Technology, 2016, 6, 4777-4785.	4.1	5
92	Mesoporous ZnZSM-5 zeolites synthesized by one-step desilication and reassembly: a durable catalyst for methanol aromatization. RSC Advances, 2016, 6, 23428-23437.	3.6	60
93	Effects of tetrahedral molybdenum oxide species and MoO_x domains on the selective oxidation of dimethyl ether under mild conditions. Catalysis Science and Technology, 2016, 6, 2975-2983.	4.1	18
94	Effects of MoO₃ crystalline structure of MoO₃â€“SnO₂ catalysts on selective oxidation of glycol dimethyl ether to 1,2-propandiol. Catalysis Science and Technology, 2016, 6, 1842-1849.	4.1	12
95	SO3H-modified petroleum coke derived porous carbon as an efficient solid acid catalyst for esterification of oleic acid. Journal of Porous Materials, 2016, 23, 263-271.	2.6	26
96	Mechanistic insight to acidity effects of Ga/HZSM-5 on its activity for propane aromatization. RSC Advances, 2015, 5, 92222-92233.	3.6	42
97	Highly Active SiO₂-supported Cuâ€“ZnO Catalysts Prepared by Combustion Methods for Low-temperature Methanol Synthesis: Comparative Activity Test with or without SiO₂ Support. Journal of the Japan Petroleum Institute, 2015, 58, 321-328.	0.6	5
98	A highly efficient Ga/ZSM-5 catalyst prepared by formic acid impregnation and in situ treatment for propane aromatization. Catalysis Science and Technology, 2015, 5, 4081-4090.	4.1	104
99	Influence of Zirconia Phase on the Performance of Ni/ZrO₂ for Carbon Dioxide Reforming of Methane. ACS Symposium Series, 2015, , 135-153.	0.5	9
100	Carbon dioxide reforming of methane over Ni nanoparticles incorporated into mesoporous amorphous ZrO 2 matrix. Fuel, 2015, 147, 243-252.	6.4	78
101	The mechanism of higher alcohol formation on ZrO2-based catalyst from syngas. Korean Journal of Chemical Engineering, 2015, 32, 406-412.	2.7	26
102	Facilely Synthesized H-Mordenite Nanosheet Assembly for Carbonylation of Dimethyl Ether. ACS Applied Materials & Interfaces, 2015, 7, 8398-8403.	8.0	86
103	Insight into the improvement effect of the Ce doping into the SnO2 catalyst for the catalytic combustion of methane. Applied Catalysis B: Environmental, 2015, 176-177, 542-552.	20.2	119
104	Cation distribution in Znâ€“Cr spinel structure and its effects on synthesis of isobutanol from syngas: Structureâ€“activity relationship. Journal of Molecular Catalysis A, 2015, 404-405, 139-147.	4.8	40
105	The real active sites over Znâ€“Cr catalysts for direct synthesis of isobutanol from syngas: structure-activity relationship. RSC Advances, 2015, 5, 89273-89281.	3.6	27
106	Iso-butanol direct synthesis from syngas over the alkali metals modified Cr/ZnO catalysts. Applied Catalysis A: General, 2015, 505, 141-149.	4.3	69
107	Structure-activity correlations of LiNO 3 /Mg 4 AlO 5.5 catalysts for glycerol carbonate synthesis from glycerol and dimethyl carbonate. Journal of Industrial and Engineering Chemistry, 2015, 21, 394-399.	5.8	56
108	Effects of the MoO₃ structure of Moâ€“Sn catalysts on dimethyl ether oxidation to methyl formate under mild conditions. Green Chemistry, 2015, 17, 1057-1064.	9.0	19

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109	Isobutanol synthesis from syngas over Kâ€“Cu/ZrO 2 â€“La 2 O 3 (x) catalysts: Effect of La-loading. Journal of Molecular Catalysis A, 2015, 396, 254-260.	4.8	44
110	Effects of Fe dopants and residual carbonates on the catalytic activities of the perovskite-type La0.7Sr0.3Co1â˜'Fe O3 NO storage catalyst. Applied Catalysis B: Environmental, 2014, 146, 24-34.	20.2	60
111	Promotional effects of Sm2O3 on Mn-H4SiW12O40/SiO2 catalyst for dimethyl ether direct-oxidation to dimethoxymethane. Journal of Industrial and Engineering Chemistry, 2014, 20, 1869-1874.	5.8	20
112	Pt Nanocatalysts Supported on Reduced Graphene Oxide for Selective Conversion of Cellulose or Cellobiose to Sorbitol. ChemSusChem, 2014, 7, 1398-1406.	6.8	89
113	Effect of modifiers on the performance of Cu-ZnO-based catalysts for low-temperature methanol synthesis. Journal of Fuel Chemistry and Technology, 2014, 42, 704-709.	2.0	8
114	Rhenium oxide-modified H₃PW₁₂O₄₀/TiO₂catalysts for selective oxidation of dimethyl ether to dimethoxy dimethyl ether. Green Chemistry, 2014, 16, 4708-4715.	9.0	41
115	Direct synthesis of dimethyl ether from biomass-derived syngas over Cuâ€“ZnOâ€“Al2O3â€“ZrO2(x)/Î³-Al2O3 bifunctional catalysts: Effect of Zr-loading. Fuel Processing Technology, 2014, 126, 88-94.	7.2	41
116	Low-temperature methanation of syngas in slurry phase over Zr-doped Ni/Î³-Al2O3 catalysts prepared using different methods. Fuel, 2014, 132, 211-218.	6.4	69
117	Influence of synthesis conditions on NO oxidation and NO storage performances of La0.7Sr0.3MnO3 perovskite-type catalyst in lean-burn atmospheres. Materials Chemistry and Physics, 2014, 143, 578-586.	4.0	29
118	Effects of Y2O3-modification to Ni/Î³-Al2O3 catalysts on autothermal reforming of methane with CO2 to syngas. International Journal of Hydrogen Energy, 2013, 38, 1892-1900.	7.1	56
119	Tuning interactions between zeolite and supported metal by physical-sputtering to achieve higher catalytic performances. Scientific Reports, 2013, 3, 2813.	3.3	25
120	NO adsorption behaviors of the MnO catalysts in lean-burn atmospheres. Journal of Hazardous Materials, 2013, 260, 543-551.	12.4	36
121	Synthesis of light olefins from syngas over Feâ€“Mnâ€“Vâ€“K catalysts in the slurry phase. Journal of Industrial and Engineering Chemistry, 2013, 19, 961-965.	5.8	17
122	Effect of calcination temperature on performance of K-Cu/Zn/La/ZrO2 for isobutanol synthesis. Journal of Fuel Chemistry and Technology, 2013, 41, 868-874.	2.0	8
123	Facile solid-state synthesis of Cuâ€“Znâ€“O catalysts for novel ethanol synthesis from dimethyl ether (DME) and syngas (CO+H2). Fuel, 2013, 109, 54-60.	6.4	31
124	Characterization and catalytic application of MnCl2 modified HZSM-5 zeolites in synthesis of aromatics from syngas via dimethyl ether. Journal of Industrial and Engineering Chemistry, 2013, 19, 975-980.	5.8	46
125	Low-temperature oxidation of dimethyl ether to methyl formate with high selectivity over MoO3-SnO2 catalysts. Journal of Fuel Chemistry and Technology, 2013, 41, 223-227.	2.0	5
126	Selective oxidation of dimethyl ether to methyl formate over trifunctional MoO3â€“SnO2 catalyst under mild conditions. Green Chemistry, 2013, 15, 1501.	9.0	29

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127	Mesoporous SiO2-confined La0.7Sr0.3CoO3 perovskite nanoparticles: an efficient NOx adsorber for lean-burn exhausts. Catalysis Science and Technology, 2013, 3, 1493.	4.1	20
128	An Introduction of CO₂ Conversion by Dry Reforming with Methane and New Route of Low-Temperature Methanol Synthesis. Accounts of Chemical Research, 2013, 46, 1838-1847.	15.6	137
129	Copper Nanoparticles Decorated Inside or Outside Carbon Nanotubes Used for Methyl Acetate Hydrogenation. Journal of Nanoscience and Nanotechnology, 2013, 13, 1274-1277.	0.9	6
130	Synthesis of Glycerol Carbonate by Transesterification of Glycerol and Dimethyl Carbonate over KF/Î³-Al2O3Catalyst. Journal of the Brazilian Chemical Society, 2013, , .	0.6	4
131	Confinement Effect of Carbon Nanotubes: Copper Nanoparticles Filled Carbon Nanotubes for Hydrogenation of Methyl Acetate. ACS Catalysis, 2012, 2, 1958-1966.	11.2	138
132	Studies on surface impregnation combustion method to prepare supported Co/SiO2 catalysts and its application for Fischerâ€“Tropsch synthesis. Applied Catalysis A: General, 2012, 435-436, 217-224.	4.3	36
133	Direct oxidation of dimethyl ether to ethanol over WO3/HZSM-5 catalysts. Catalysis Communications, 2012, 26, 173-177.	3.3	12
134	Tri-reforming of coal bed methane to syngas over the Ni-Mg-ZrO2 catalyst. Journal of Fuel Chemistry and Technology, 2012, 40, 831-837.	2.0	28
135	Facile synthesis of H-type zeolite shell on a silica substrate for tandem catalysis. Chemical Communications, 2012, 48, 1263-1265.	4.1	51
136	A Solidâ€State Combustion Method towards Metallic Cuâ€“ZnO Catalyst without Further Reduction and its Application to Lowâ€Temperature Methanol Synthesis. ChemCatChem, 2012, 4, 863-871.	3.7	20
137	A highly dispersed nickel supported catalyst for dry reforming of methane. Catalysis Communications, 2012, 20, 6-11.	3.3	97
138	Surface impregnation combustion method to prepare nanostructured metallic catalysts without further reduction: As-burnt Cuâ€“ZnO/SiO2 catalyst for low-temperature methanol synthesis. Catalysis Today, 2012, 185, 54-60.	4.4	20
139	Hydrogen production by methane cracking over different coal chars. Fuel, 2011, 90, 3473-3479.	6.4	30
140	Water-gas shift coupling with methanation over MOx modified nanorod-NiO/Î³-Al2O3 catalysts. Journal of Industrial and Engineering Chemistry, 2011, 17, 723-726.	5.8	13
141	Methanation of syngas over coral reef-like Ni/Al2O3 catalysts. Journal of Natural Gas Chemistry, 2011, 20, 435-440.	1.8	103
142	Combined air partial oxidation and CO2 reforming of coal bed methane to synthesis gas over co-precipitated Niâ€“Mgâ€“ZrO2 catalyst. International Journal of Hydrogen Energy, 2011, 36, 12259-12267.	7.1	14
143	Effects of reaction atmosphere on dimethyl ether conversion to propylene process over Ca/ZSM-5. Journal of Fuel Chemistry and Technology, 2011, 39, 42-46.	2.0	15
144	A double-shell capsule catalyst with coreâ€“shell-like structure for one-step exactly controlled synthesis of dimethyl ether from CO2 containing syngas. Catalysis Today, 2011, 171, 229-235.	4.4	65

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145	Direct Synthesis of Ethanol from Dimethyl Ether and Syngas over Combined Hâ€Mordenite and Cu/ZnO Catalysts. ChemSusChem, 2010, 3, 1192-1199.	6.8	118
146	Characterization of an HZSM-5/MnAPO-11 composite and its catalytic properties in the synthesis of high-octane hydrocarbons from syngas. Fuel, 2010, 89, 3510-3516.	6.4	21
147	BaFeO_{3â^'x} Perovskite: An Efficient NO_x Absorber with a High Sulfur Tolerance. Journal of Physical Chemistry C, 2010, 114, 11844-11852.	3.1	45
148	Novel Ethanol Synthesis Method via C1 Chemicals without Any Agriculture Feedstocks. Industrial & Engineering Chemistry Research, 2010, 49, 5485-5488.	3.7	42
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