

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94 papers	1,349 citations	20 h-index	33 g-index
102 ext. papers	1,737 ext. citations	5.4 avg, IF	4.83 L-index

#	Paper	IF	Citations
94	Insight into the Balancing Effect of Active Cu Species for Hydrogenation of Carbon-Oxygen Bonds. <i>ACS Catalysis</i> , 2015 , 5, 6200-6208	13.1	141
93	Hydrogenation of dimethyl oxalate to ethylene glycol on a Cu/SiO ₂ /cordierite monolithic catalyst: Enhanced internal mass transfer and stability. <i>AIChE Journal</i> , 2012 , 58, 2798-2809	3.6	97
92	Hydrogenation of dimethyl oxalate to ethylene glycol over mesoporous Cu-MCM-41 catalysts. <i>AIChE Journal</i> , 2013 , 59, 2530-2539	3.6	68
91	Elucidating the nature and role of Cu species in enhanced catalytic carbonylation of dimethyl ether over Cu/H-MOR. <i>Catalysis Science and Technology</i> , 2015 , 5, 4378-4389	5.5	59
90	N-Doped Dual Carbon-Confined 3D Architecture rGO/FeO/AC Nanocomposite for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 13470-13478	9.5	56
89	CO ₂ methanation and co-methanation of CO and CO ₂ over Mn-promoted Ni/Al ₂ O ₃ catalysts. <i>Frontiers of Chemical Science and Engineering</i> , 2016 , 10, 273-280	4.5	53
88	Balancing Effect between Adsorption and Diffusion on Catalytic Performance Inside Hollow Nanostructured Catalyst. <i>ACS Catalysis</i> , 2019 , 9, 2969-2976	13.1	48
87	A High-Performance Nanoreactor for Carbon-Oxygen Bond Hydrogenation Reactions Achieved by the Morphology of Nanotube-Assembled Hollow Spheres. <i>ACS Catalysis</i> , 2018 , 8, 1218-1226	13.1	47
86	Ni-based catalyst derived from Ni/Al hydrotalcite-like compounds by the urea hydrolysis method for CO methanation. <i>RSC Advances</i> , 2016 , 6, 677-686	3.7	46
85	Hydrogenation of Dimethyl Oxalate Using Extruded Cu/SiO ₂ Catalysts: Mechanical Strength and Catalytic Performance. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 13935-13943	3.9	36
84	Hydrogenation of Dimethyl Oxalate over Copper-Based Catalysts: Acid-Base Properties and Reaction Paths. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 9699-9707	3.9	32
83	Monodisperse Nano-Fe ₃ O ₄ on γ-Al ₂ O ₃ Catalysts for Fischer-Tropsch Synthesis to Lower Olefins: Promoter and Size Effects. <i>ChemCatChem</i> , 2017 , 9, 3144-3152	5.2	31
82	Effect of sulfidation temperature on CoO-MoO ₃ /γ-Al ₂ O ₃ catalyst for sulfur-resistant methanation. <i>Catalysis Science and Technology</i> , 2013 , 3, 2793	5.5	30
81	Effect of sulfidation temperature on the catalytic activity of MoO ₃ /CeO ₂ -γ-Al ₂ O ₃ toward sulfur-resistant methanation. <i>Applied Catalysis A: General</i> , 2013 , 466, 224-232	5.1	29
80	Deactivation Kinetics for the Carbonylation of Dimethyl Ether to Methyl Acetate on H-MOR. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 13618-13627	3.9	28
79	Effect of cobalt and its adding sequence on the catalytic performance of MoO ₃ /Al ₂ O ₃ toward sulfur-resistant methanation. <i>Journal of Energy Chemistry</i> , 2014 , 23, 35-42	12	28
78	Facile Synthesis of Cu@CeO ₂ and Its Catalytic Behavior for the Hydrogenation of Methyl Acetate to Ethanol. <i>ChemCatChem</i> , 2017 , 9, 2085-2090	5.2	25

77	A zirconium modified Co/SiO ₂ Fischer-Tropsch catalyst prepared by dielectric-barrier discharge plasma. <i>Journal of Energy Chemistry</i> , 2013 , 22, 506-511	12	23
76	High CO methanation activity on zirconia-supported molybdenum sulfide catalyst. <i>Journal of Energy Chemistry</i> , 2014 , 23, 625-632	12	22
75	Effect of the ceria–alumina composite support on the Mo-based catalyst’s sulfur-resistant activity for the synthetic natural gas process. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2012 , 106, 495-506	1.6	22
74	Influence of Acid Strength on the Reactivity of Dimethyl Ether Carbonylation over H-MOR. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2027-2034	8.3	18
73	Co-Based Catalysts Supported on Silica and Carbon Materials: Effect of Support Property on Cobalt Species and Fischer–Tropsch Synthesis Performance. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 3459-3467	3.9	17
72	Characterization of Silica-Supported Cobalt Catalysts Prepared by Decomposition of Nitrates Using Dielectric-Barrier Discharge Plasma. <i>Catalysis Letters</i> , 2011 , 141, 1391-1398	2.8	16
71	Combating poison with poison–reducible Co ₂ SiO ₄ as a promoter to modify Co-based catalysts in Fischer-Tropsch synthesis. <i>Applied Catalysis B: Environmental</i> , 2020 , 267, 118377	21.8	16
70	Influence of crystalline phase of Li-Al-O oxides on the activity of Wacker-type catalysts in dimethyl carbonate synthesis. <i>Frontiers of Chemical Science and Engineering</i> , 2012 , 6, 415-422	4.5	15
69	Effect of Citric Acid on MoO ₃ /Al ₂ O ₃ Catalysts for Sulfur-Resistant Methanation. <i>Catalysts</i> , 2017 , 7, 151	4	14
68	High-Performance CoCu Catalyst Encapsulated in KIT-6 for Higher Alcohol Synthesis from Syngas. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 200-209	8.3	14
67	Nano-Assembled Mordenite Zeolite with Tunable Morphology for Carbonylation of Dimethyl Ether. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6460-6468	5.6	13
66	Enhanced Selectivity and Stability of Cu/SiO ₂ Catalysts for Dimethyl Oxalate Hydrogenation to Ethylene Glycol by Using Silane Coupling Agents for Surface Modification. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 9414-9422	3.9	13
65	Effect of a promoter on the methanation activity of a Mo-based sulfur-resistant catalyst. <i>Frontiers of Chemical Science and Engineering</i> , 2013 , 7, 88-94	4.5	13
64	Promotion effect of additive Fe on Al ₂ O ₃ supported Ni catalyst for CO ₂ methanation. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4328	3.1	12
63	Ni-based catalyst derived from Ni/Mg/Al hydrotalcite-like compounds and its activity in the methanation of carbon monoxide. <i>Kinetics and Catalysis</i> , 2014 , 55, 217-223	1.5	12
62	EFFECT OF Cu CATALYST PREPARATION ON THE OXIDATIVE CARBONYLATION OF METHANOL TO DIMETHYL CARBONATE. <i>Reaction Kinetics and Catalysis Letters</i> , 2002 , 76, 179-187		11
61	Sulfur-Resistant CO Methanation to CH ₄ Over MoS ₂ /ZrO ₂ Catalysts: Support Size Effect On Morphology and Performance of Mo Species. <i>Catalysis Letters</i> , 2018 , 148, 2585-2595	2.8	10
60	Effect of Hydrogen on Catalytic Coupling Reaction of Carbon Monoxide to Diethyl Oxalate. <i>Reaction Kinetics and Catalysis Letters</i> , 2001 , 73, 135-142		9

59	Mechanism study of ammonium nitrate decomposition with chloride impurity using experimental and molecular simulation approach. <i>Journal of Hazardous Materials</i> , 2019 , 378, 120585	12.8	8
58	Research Progress of Catalysis for Low-Carbon Olefins Synthesis Through Hydrogenation of CO. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 3162-3172	1.3	8
57	Impact of the Oxygen Vacancies on Copper Electronic State and Activity of Cu-Based Catalysts in the Hydrogenation of Methyl Acetate to Ethanol. <i>ChemCatChem</i> , 2019 , 11, 2607-2614	5.2	8
56	Enhanced methanation stability of nano-sized MoS ₂ catalysts by adding Al ₂ O ₃ . <i>Frontiers of Chemical Science and Engineering</i> , 2015 , 9, 33-39	4.5	8
55	DFT study into the reaction mechanism of CO methanation over pure MoS ₂ . <i>International Journal of Quantum Chemistry</i> , 2018 , 118, e25643	2.1	8
54	Effect of calcium formate as an additive on desulfurization in power plants. <i>Journal of Environmental Sciences</i> , 2018 , 67, 89-95	6.4	8
53	MoP/Al ₂ O ₃ as a novel catalyst for sulfur-resistant methanation. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4515	3.1	8
52	Pd-Fe/Al ₂ O ₃ /cordierite monolithic catalysts for the synthesis of dimethyl oxalate: effects of calcination and structure. <i>Frontiers of Chemical Science and Engineering</i> , 2012 , 6, 259-269	4.5	8
51	Active Cu ⁰ Sites for the Hydrogenation of Carbon-Oxygen Bonds over Cu/CeO ₂ Catalysts. <i>ACS Catalysis</i> , 2022 , 12, 1315-1325	13.1	8
50	Review of plasma-assisted reactions and potential applications for modification of metal-organic frameworks. <i>Frontiers of Chemical Science and Engineering</i> , 2019 , 13, 444-457	4.5	7
49	The promoter action of CeO ₂ for the Ni/Al ₂ O ₃ -catalyzed methanation of CO ₂ . <i>Kinetics and Catalysis</i> , 2015 , 56, 329-334	1.5	7
48	Effect of alkyl nitrite decomposition on catalytic performance of CO coupling reaction over supported palladium catalyst. <i>Frontiers of Chemical Science and Engineering</i> , 2012 , 6, 410-414	4.5	7
47	CO ₂ methanation over nickel-based catalysts prepared by citric acid complexation method. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5268	3.1	7
46	Role of Brønsted Acid Sites within 8-MR of Mordenite in the Deactivation Roadmap for Dimethyl Ether Carbonylation. <i>ACS Catalysis</i> , 2021 , 11, 5647-5657	13.1	7
45	Effects of titanium silicalite and TiO ₂ nanocomposites on supported Co-based catalysts for Fischer-Tropsch synthesis. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4640	3.1	6
44	Improved Catalytic Performance in Dimethyl Ether Carbonylation over Hierarchical Mordenite by Enhancing Mass Transfer. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 13861-13869	3.9	6
43	Ni/ZrO ₂ Catalysts Synthesized via Urea Combustion Method for CO ₂ Methanation. <i>Transactions of Tianjin University</i> , 2018 , 24, 471-479	2.9	6
42	Active phase of highly active Co ₃ O ₄ catalyst for synthetic natural gas production. <i>RSC Advances</i> , 2014 , 4, 57185-57191	3.7	6

41	Enhanced gasoline selectivity through Fischer-Tropsch synthesis on a bifunctional catalyst: Effects of active sites proximity and reaction temperature. <i>Chemical Engineering Journal</i> , 2021 , 416, 129180	14.7	6
40	Ni ₂ N Dual Sites Switch the CO ₂ Hydrogenation Selectivity via Tuning of the d-Band Center. <i>ACS Catalysis</i> , 2022 , 12, 3346-3356	13.1	6
39	Precursor effect on catalytic properties of Mo-based catalyst for sulfur-resistant methanation. <i>Korean Journal of Chemical Engineering</i> , 2014 , 31, 2157-2161	2.8	5
38	Real atom economy and its application for evaluation the green degree of a process. <i>Frontiers of Chemical Science and Engineering</i> , 2011 , 5, 349-354	4.5	5
37	Examination of Tunable Edge Sites and Catalyst Deactivation in the MoS ₂ -Catalyzed Methanation of Syngas. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 21996-22005	3.9	5
36	Novel Method for Preparing a Carbon Nanotube-Supported Cobalt Catalyst for Fischer-Tropsch Synthesis: Hydrogen Dielectric-Barrier Discharge Plasma. <i>Transactions of Tianjin University</i> , 2017 , 23, 20-25	2.9	4
35	Nanoflower-like Cu/SiO ₂ Catalyst for Hydrogenation of Ethylene Carbonate to Methanol and Ethylene Glycol: Enriching H ₂ Adsorption. <i>ChemCatChem</i> , 2020 , 12, 3670-3678	5.2	4
34	Effect of citric acid on CoO-MoO ₃ /Al ₂ O ₃ catalysts for sulfur-resistant methanation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018 , 125, 111-126	1.6	4
33	Effect of sulphidation temperature on the performance of NiO-MoO ₃ /Al ₂ O ₃ catalysts for sulphur-resistant methanation. <i>RSC Advances</i> , 2014 , 4, 56174-56182	3.7	4
32	Influence of Water on the Methanation Performance of Mo-Based Sulfur-Resistant Catalysts with and without Cobalt Additive. <i>Bulletin of the Korean Chemical Society</i> , 2015 , 36, 74-82	1.2	4
31	Homogeneous Catalytic Kinetics of Methyl Glycolate Hydrolysis. <i>Chemical Engineering and Technology</i> , 2016 , 39, 918-926	2	4
30	Carbon Nanotubes-MnOx Nanocomposite as Support for Iron-Based Catalysts for the Fischer-Tropsch Synthesis of Liquid Fuels. <i>Energy Technology</i> , 2017 , 5, 1517-1521	3.5	3
29	Effect of oxygen on the activity of a Pd-Fe/a-Al ₂ O ₃ catalyst for CO coupling to diethyl oxalate. <i>Reaction Kinetics and Catalysis Letters</i> , 2002 , 76, 303-308		3
28	Effects of lanthanum addition on Ni-B amorphous alloy catalysts used in anthraquinone hydrogenation. <i>Reaction Kinetics and Catalysis Letters</i> , 2003 , 80, 233-239		3
27	Catalytic Activity and Surface Characterization Study of Pd Supported on Nanocrystalline and Polycrystalline CeO ₂ . <i>Materials Research Society Symposia Proceedings</i> , 1999 , 581, 449		3
26	Core-Shell [email-protected] Catalyst: Effect of a Confined Carbon Microenvironment on Syngas Conversion. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 14636-14642	3.9	3
25	Synergistic effect of catalyst and plasma on CO ₂ decomposition in a dielectric barrier discharge plasma reactor. <i>Molecular Catalysis</i> , 2021 , 499, 111304	3.3	3
24	Insight into the Influence of the Graphite Layer and Cobalt Crystalline on a ZIF-67-Derived Catalyst for Fischer-Tropsch Synthesis. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 9885-9896	9.5	3

23	The main factors controlling generation of synthetic natural gas by methanation of synthesis gas in the presence of sulfur-resistant Mo-based catalysts. <i>Kinetics and Catalysis</i> , 2013 , 54, 338-343	1.5	2
22	Pt-modulated Cu/SiO ₂ catalysts for efficient hydrogenation of CO ₂ -derived ethylene carbonate to methanol and ethylene glycol. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 41, 366-366	3.2	2
21	Mo-Based Catalyst Supported on Binary Ceria-Lanthanum Solid Solution for Sulfur-Resistant Methanation: Effect of La Dopant. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 1803-1811	3.9	2
20	Highly active Pd-Fe/Al ₂ O ₃ catalyst with the bayberry tannin as chelating promoter for CO oxidative coupling to diethyl oxalate. <i>Chinese Chemical Letters</i> , 2021 , 32, 796-800	8.1	2
19	A Monodisperse Fe(Co) ₂ Bimetallic Carbide Catalyst for Direct Conversion of Syngas to Higher Alcohols. <i>ACS Catalysis</i> , 2016 , 6, 6016-6028	13.1	2
18	Methanation Performance of Unsupported MoP Catalysts Prepared with Phytic Acid under Low H ₂ /CO. <i>ChemistrySelect</i> , 2020 , 5, 7586-7595	1.8	1
17	The effect of citric acid on the catalytic activity of nano-sized MoS ₂ toward sulfur-resistant CO methanation. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4339	3.1	1
16	Enhanced sulfur-resistant methanation performance over MoO ₃ /ZrO ₂ catalyst prepared by solution combustion method. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e5022	3.1	1
15	Monodisperse Nano-Fe ₃ O ₄ on Al ₂ O ₃ Catalysts for Fischer-Tropsch Synthesis to Lower Olefins: Promoter and Size Effects. <i>ChemCatChem</i> , 2017 , 9, 3088-3089	5.2	1
14	Effects of preparation method and Mo ₂ C loading on the Mo ₂ C/ZrO ₂ catalyst for sulfur-resistant methanation. <i>Molecular Catalysis</i> , 2020 , 482, 110668	3.3	1
13	CO ₂ hydrogenation to C ₅ + hydrocarbons over K-promoted Fe/CNT catalyst: Effect of potassium on structure-activity relationship. <i>Applied Organometallic Chemistry</i> , 2021 , 35, e6253	3.1	1
12	Janus Au/Fe ₂ C Catalyst for Direct Conversion of Syngas to Higher Alcohols. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 11258-11268	8.3	1
11	The modification of titanium in mesoporous silica for Co-based Fischer-Tropsch catalysts. <i>Frontiers of Chemical Science and Engineering</i> , 2021 , 15, 11258-11268	4.5	1
10	Engineered Chemical Utilization of CO ₂ to Methanol via Direct and Indirect Hydrogenation Pathways: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 8085-8093	3.9	1
9	Impact of Zr on the Activity of MoO ₃ /Ce _{1-x} Zr _x O ₂ Catalysts for Sulfur-Resistant Methanation. <i>Topics in Catalysis</i> , 2021 , 64, 582-590	2.3	0
8	Efficient Synthesis of Mordenite Zeolite for Dimethyl Ether Carbonylation. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 8085-8093	3.9	0
7	Preparation of high performance Co ₃ O ₄ /Al ₂ O ₃ catalysts by doping Al into ZIF-67: Effect of Al sources on Fischer-Tropsch synthesis. <i>Applied Surface Science</i> , 2021 , 570, 151127	6.7	0
6	Enhanced production of C ₂₋₄ alkanes from syngas via a metal sulfide-support interaction over Ni-MoS ₂ /Ce _{1-x} La _x O ₂ . <i>Catalysis Science and Technology</i> , 2020 , 10, 4340-4351	5.5	0

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| 5 | Kinetics Modeling of Calcium Formate Synthesis by Calcium Hydroxide Carbonylation. <i>Transactions of Tianjin University</i> , 2018 , 24, 144-151 | 2.9 |
| 4 | Optimization of Co-precipitation Condition for Preparing Molybdenum-Based Sulfur-Resistant Methanation Catalysts. <i>Transactions of Tianjin University</i> , 2019 , 25, 504-516 | 2.9 |
| 3 | Impact of the Oxygen Vacancies on Copper Electronic State and Activity of Cu-Based Catalysts in the Hydrogenation of Methyl Acetate to Ethanol. <i>ChemCatChem</i> , 2019 , 11, 2562-2562 | 5.2 |
| 2 | Catalytic Stability of Ni Catalyst for Partial Oxidation of Methane to Syngas. <i>ACS Symposium Series</i> , 2003 , 246-259 | 0.4 |
| 1 | Supplementary Mechanism for Oxycarbonylation of Methanol Over CuY Catalyst: Origin of the Oxygen Atom in Methoxyl and Formation of By-Products. <i>Catalysis Letters</i> , 2021 , 151, 3334-3342 | 2.8 |