

# Sheng-ping Wang

## List of Publications by Year in descending order

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142  
papers

9,702  
citations

57631

44  
h-index

37111

96  
g-index

142  
all docs

142  
docs citations

142  
times ranked

9543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in catalytic hydrogenation of carbon dioxide. <i>Chemical Society Reviews</i> , 2011, 40, 3703.	18.7	2,713
2	Synthesis of Ethanol via Syngas on Cu/SiO <sub>2</sub> Catalysts with Balanced Cu <sup>0</sup> and Cu <sup>+</sup> Sites. <i>Journal of the American Chemical Society</i> , 2012, 134, 13922-13925.	6.6	614
3	Recent advances in capture of carbon dioxide using alkali-metal-based oxides. <i>Energy and Environmental Science</i> , 2011, 4, 3805.	15.6	318
4	Controllable synthesis of nanotube-type graphitic C <sub>3</sub> N <sub>4</sub> and their visible-light photocatalytic and fluorescent properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2885.	5.2	265
5	Recent advances in dialkyl carbonates synthesis and applications. <i>Chemical Society Reviews</i> , 2015, 44, 3079-3116.	18.7	262
6	Propane Dehydrogenation over Pt/TiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> Catalysts. <i>ACS Catalysis</i> , 2015, 5, 438-447.	5.5	243
7	Morphology control of ceria nanocrystals for catalytic conversion of CO <sub>2</sub> with methanol. <i>Nanoscale</i> , 2013, 5, 5582.	2.8	237
8	Insight into the Balancing Effect of Active Cu Species for Hydrogenation of Carbon-Oxygen Bonds. <i>ACS Catalysis</i> , 2015, 5, 6200-6208.	5.5	203
9	Chemoselective synthesis of ethanol via hydrogenation of dimethyl oxalate on Cu/SiO <sub>2</sub> : Enhanced stability with boron dopant. <i>Journal of Catalysis</i> , 2013, 297, 142-150.	3.1	200
10	Sorption enhanced steam reforming of ethanol on Ni-Ca-Al <sub>2</sub> O <sub>3</sub> multifunctional catalysts derived from hydrotalcite-like compounds. <i>Energy and Environmental Science</i> , 2012, 5, 8942.	15.6	168
11	Reduced Graphene Oxide (rGO)/BiVO <sub>4</sub> Composites with Maximized Interfacial Coupling for Visible Light Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2253-2258.	3.2	159
12	The synergistic effect between Ni sites and Ni-Fe alloy sites on hydrodeoxygenation of lignin-derived phenols. <i>Applied Catalysis B: Environmental</i> , 2019, 253, 348-358.	10.8	155
13	Hydrogenation of CO <sub>2</sub> to formic acid on supported ruthenium catalysts. <i>Catalysis Today</i> , 2011, 160, 184-190.	2.2	150
14	Hydrogenation of dimethyl oxalate to ethylene glycol on a Cu/SiO <sub>2</sub> /cordierite monolithic catalyst: Enhanced internal mass transfer and stability. <i>AIChE Journal</i> , 2012, 58, 2798-2809.	1.8	125
15	Phosgene-free approaches to catalytic synthesis of diphenyl carbonate and its intermediates. <i>Applied Catalysis A: General</i> , 2007, 316, 1-21.	2.2	123
16	Effect of Cerium Oxide Doping on the Performance of CaO-Based Sorbents during Calcium Looping Cycles. <i>Environmental Science &amp; Technology</i> , 2015, 49, 5021-5027.	4.6	120
17	Efficient tuning of surface copper species of Cu/SiO <sub>2</sub> catalyst for hydrogenation of dimethyl oxalate to ethylene glycol. <i>Chemical Engineering Journal</i> , 2017, 313, 759-768.	6.6	104
18	WO <sub>x</sub> domain size, acid properties and mechanistic aspects of glycerol hydrogenolysis over Pt/WO <sub>x</sub> /ZrO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , 2019, 242, 410-421.	10.8	98

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19	Hydrodeoxygenation of furans over Pd-FeO <sub>x</sub> /SiO <sub>2</sub> catalyst under atmospheric pressure. Applied Catalysis B: Environmental, 2017, 201, 266-277.	10.8	91
20	Hydrogenation of dimethyl oxalate to ethylene glycol over mesoporous Cu-MCM-41 catalysts. AIChE Journal, 2013, 59, 2530-2539.	1.8	85
21	Effect of synergistic interaction between Ce and Mn on the CO <sub>2</sub> capture of calcium-based sorbent: Textural properties, electron donation, and oxygen vacancy. Chemical Engineering Journal, 2018, 334, 237-246.	6.6	83
22	Insight into the reaction mechanism of CO <sub>2</sub> activation for CH <sub>4</sub> reforming over NiO-MgO: A combination of DRIFTS and DFT study. Applied Surface Science, 2017, 416, 59-68.	3.1	79
23	Structure evolution of mesoporous silica supported copper catalyst for dimethyl oxalate hydrogenation. Applied Catalysis A: General, 2017, 539, 59-69.	2.2	73
24	Kinetics Study of Hydrogenation of Dimethyl Oxalate over Cu/SiO <sub>2</sub> Catalyst. Industrial & Engineering Chemistry Research, 2015, 54, 1243-1250.	1.8	72
25	Elucidating the nature and role of Cu species in enhanced catalytic carbonylation of dimethyl ether over Cu/H-MOR. Catalysis Science and Technology, 2015, 5, 4378-4389.	2.1	72
26	Enhanced oxygen mobility and reactivity for ethanol steam reforming. AIChE Journal, 2012, 58, 516-525.	1.8	70
27	Facile one-pot synthesis of Ni@HSS as a novel yolk-shell structure catalyst for dry reforming of methane. Journal of CO <sub>2</sub> Utilization, 2018, 24, 190-199.	3.3	69
28	Roles of Cu <sup>+</sup> and Cu <sup>0</sup> sites in liquid-phase hydrogenation of esters on core-shell CuZn <sub>x</sub> @C catalysts. Applied Catalysis B: Environmental, 2020, 267, 118698.	10.8	68
29	Modifying the acidity of H-MOR and its catalytic carbonylation of dimethyl ether. Chinese Journal of Catalysis, 2016, 37, 1530-1537.	6.9	64
30	Dimethyl carbonate synthesis from carbon dioxide and methanol over CeO <sub>2</sub> versus over ZrO <sub>2</sub> : comparison of mechanisms. RSC Advances, 2014, 4, 30968-30975.	1.7	61
31	Effect of micro-structure and oxygen vacancy on the stability of (Zr-Ce)-additive CaO-based sorbent in CO <sub>2</sub> adsorption. Journal of CO <sub>2</sub> Utilization, 2017, 19, 165-176.	3.3	60
32	Effects of extrinsic defects originating from the interfacial reaction of CeO <sub>2</sub> -x-nickel silicate on catalytic performance in methane dry reforming. Applied Catalysis B: Environmental, 2020, 277, 119278.	10.8	58
33	An Effective CuZn@SiO <sub>2</sub> Bimetallic Catalyst Prepared by Hydrolysis Precipitation Method for the Hydrogenation of Methyl Acetate to Ethanol. Industrial & Engineering Chemistry Research, 2018, 57, 4526-4534.	1.8	57
34	The nature of surface acidity and reactivity of MoO <sub>3</sub> /SiO <sub>2</sub> and MoO <sub>3</sub> /TiO <sub>2</sub> @SiO <sub>2</sub> for transesterification of dimethyl oxalate with phenol: A comparative investigation. Applied Catalysis B: Environmental, 2007, 77, 125-134.	10.8	56
35	An in situ infrared study of dimethyl carbonate synthesis from carbon dioxide and methanol over well-shaped CeO <sub>2</sub> . Chinese Chemical Letters, 2017, 28, 65-69.	4.8	56
36	RuCl <sub>3</sub> anchored onto post-synthetic modification MIL-101(Cr)-NH <sub>2</sub> as heterogeneous catalyst for hydrogenation of CO <sub>2</sub> to formic acid. Chinese Chemical Letters, 2019, 30, 398-402.	4.8	56

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37	A Pd@Fe/Al <sub>2</sub> O <sub>3</sub> /cordierite monolithic catalyst for CO coupling to oxalate. <i>Chemical Engineering Science</i> , 2011, 66, 3513-3522.	1.9	52
38	Enhanced CO <sub>2</sub> adsorption capacity and stability using CaO-based adsorbents treated by hydration. <i>AIChE Journal</i> , 2013, 59, 3586-3593.	1.8	52
39	Incorporation of Zr into Calcium Oxide for CO <sub>2</sub> Capture by a Simple and Facile Sol-Gel Method. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 7873-7879.	1.8	49
40	Three dimensional Ag/KCC-1 catalyst with a hierarchical fibrous framework for the hydrogenation of dimethyl oxalate. <i>RSC Advances</i> , 2016, 6, 12788-12791.	1.7	49
41	Fabrication of multi-shelled hollow Mg-modified CaCO <sub>3</sub> microspheres and their improved CO <sub>2</sub> adsorption performance. <i>Chemical Engineering Journal</i> , 2017, 321, 401-411.	6.6	47
42	Ni-containing Cu/SiO <sub>2</sub> catalyst for the chemoselective synthesis of ethanol via hydrogenation of dimethyl oxalate. <i>Catalysis Today</i> , 2016, 276, 28-35.	2.2	46
43	Hydrogenation of methyl acetate to ethanol by Cu/ZnO catalyst encapsulated in SBA-15. <i>AIChE Journal</i> , 2017, 63, 2839-2849.	1.8	46
44	Interface tuning of Cu <sup>+</sup> /CuO by zirconia for dimethyl oxalate hydrogenation to ethylene glycol over Cu/SiO <sub>2</sub> catalyst. <i>Journal of Energy Chemistry</i> , 2020, 49, 248-256.	7.1	46
45	Insight into the nature of Brønsted acidity of Pt-(WO <sub>x</sub> ) <sub>n</sub> -H model catalysts in glycerol hydrogenolysis. <i>Journal of Catalysis</i> , 2020, 388, 154-163.	3.1	46
46	Ruthenium Complexes Immobilized on an Azolium Based Metal Organic Framework for Highly Efficient Conversion of CO <sub>2</sub> into Formic Acid. <i>ChemCatChem</i> , 2019, 11, 1256-1263.	1.8	45
47	Effect of crystal structure of copper species on the rate and selectivity in oxidative carbonylation of ethanol for diethyl carbonate synthesis. <i>Journal of Molecular Catalysis A</i> , 2005, 227, 141-146.	4.8	44
48	Modification of Y Zeolite with Alkaline Treatment: Textural Properties and Catalytic Activity for Diethyl Carbonate Synthesis. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 6349-6356.	1.8	44
49	Glycerol Hydrogenolysis to 1,3-Propanediol on Tungstate/Zirconia-Supported Platinum: Hydrogen Spillover Facilitated by Pt(111) Formation. <i>ChemCatChem</i> , 2016, 8, 3663-3671.	1.8	44
50	Hydrogenation of diesters on copper catalyst anchored on ordered hierarchical porous silica: Pore size effect. <i>Journal of Catalysis</i> , 2018, 357, 223-237.	3.1	44
51	Enhancements of dimethyl carbonate synthesis from methanol and carbon dioxide: The in situ hydrolysis of 2-cyanopyridine and crystal face effect of ceria. <i>Chinese Chemical Letters</i> , 2015, 26, 1096-1100.	4.8	42
52	The Mn-promoted double-shelled CaCO <sub>3</sub> hollow microspheres as high efficient CO <sub>2</sub> adsorbents. <i>Chemical Engineering Journal</i> , 2019, 372, 53-64.	6.6	42
53	Double-Site Doping of a V Promoter on Ni <sub>x</sub> -V-MgAl Catalysts for the DRM Reaction: Simultaneous Effect on CH <sub>4</sub> and CO <sub>2</sub> Activation. <i>ACS Catalysis</i> , 2021, 11, 8749-8765.	5.5	40
54	Hydrogenation of Dimethyl Oxalate Using Extruded Cu/SiO <sub>2</sub> Catalysts: Mechanical Strength and Catalytic Performance. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 13935-13943.	1.8	39

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55	Catalytic Oxidative Carbonylation over Cu <sub>2</sub> O Nanoclusters Supported on Carbon Materials: The Role of the Carbon Support. <i>ChemCatChem</i> , 2014, 6, 2671-2679.	1.8	39
56	Cu-doped zeolites for catalytic oxidative carbonylation: The role of Brønsted acids. <i>Applied Catalysis A: General</i> , 2012, 417-418, 236-242.	2.2	37
57	Porous Spherical CaO-based Sorbents via PSS-Assisted Fast Precipitation for CO <sub>2</sub> Capture. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 18072-18077.	4.0	37
58	Synergy between Cu and Brønsted acid sites in carbonylation of dimethyl ether over Cu/H-MOR. <i>Journal of Catalysis</i> , 2018, 365, 440-449.	3.1	36
59	Copper Phyllosilicate Nanotube Catalysts for the Chemosynthesis of Cyclohexane via Hydrodeoxygenation of Phenol. <i>ACS Catalysis</i> , 2022, 12, 4724-4736.	5.5	35
60	Characterization and catalytic activity of TiO <sub>2</sub> /SiO <sub>2</sub> for transesterification of dimethyl oxalate with phenol. <i>Journal of Molecular Catalysis A</i> , 2004, 214, 273-279.	4.8	33
61	Microwave synthesis, characterization and transesterification activities of Ti-MCM-41. <i>Microporous and Mesoporous Materials</i> , 2012, 156, 22-28.	2.2	33
62	The effect of metal properties on the reaction routes of glycerol hydrogenolysis over platinum and ruthenium catalysts. <i>Catalysis Today</i> , 2017, 298, 2-8.	2.2	33
63	CaO-based meshed hollow spheres for CO <sub>2</sub> capture. <i>Chemical Engineering Science</i> , 2015, 135, 532-539.	1.9	31
64	Effect of the addition of Ce and Zr over a flower-like NiO-MgO (111) solid solution for CO <sub>2</sub> reforming of methane. <i>Journal of CO<sub>2</sub> Utilization</i> , 2018, 26, 123-132.	3.3	31
65	Enhanced catalytic performance of Ni <sub>x</sub> V@HSS catalysts for the DRM reaction: The study of interfacial effects on Ni-VO <sub>x</sub> structure with a unique yolk-shell structure. <i>Journal of Catalysis</i> , 2021, 396, 65-80.	3.1	31
66	Mesoporous LaAl <sub>0.25</sub> Ni <sub>0.75</sub> O <sub>3</sub> perovskite catalyst using SBA-15 as templating agent for methane dry reforming. <i>Microporous and Mesoporous Materials</i> , 2020, 303, 110278.	2.2	30
67	Tuning Porosity of Ti-MCM-41: Implication for Shape Selective Catalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 2154-2160.	4.0	29
68	A well fabricated PtSn/SiO <sub>2</sub> catalyst with enhanced synergy between Pt and Sn for acetic acid hydrogenation to ethanol. <i>RSC Advances</i> , 2016, 6, 51005-51013.	1.7	29
69	Transesterification of dimethyl oxalate with phenol over TS-1 catalyst. <i>Fuel Processing Technology</i> , 2003, 83, 275-286.	3.7	28
70	Synthesis of Dimethyl Carbonate through Vapor-Phase Carbonylation Catalyzed by Pd-Doped Zeolites: Interaction of Lewis Acidic Sites and Pd Species. <i>ChemCatChem</i> , 2013, 5, 2174-2177.	1.8	28
71	Role of microstructure, electron transfer, and coordination state in the CO <sub>2</sub> capture of calcium-based sorbent by doping (Zr-Mn). <i>Chemical Engineering Journal</i> , 2018, 336, 376-385.	6.6	28
72	Adsorption of CO <sub>2</sub> on MgAl-CO <sub>3</sub> LDHs-Derived Sorbents with 3D Nanoflower-like Structure. <i>Energy &amp; Fuels</i> , 2018, 32, 5313-5320.	2.5	27

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73	Kilogram-scale production and pelletization of Al-promoted CaO-based sorbent for CO <sub>2</sub> capture. <i>Fuel</i> , 2021, 301, 121049.	3.4	27
74	Insight into the Tunable CuY Catalyst for Diethyl Carbonate by Oxycarbonylation: Preparation Methods and Precursors. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 5838-5845.	1.8	25
75	A new type of catalyst PdCl <sub>2</sub> /Cu-HMS for synthesis of diethyl carbonate by oxidative carbonylation of ethanol. <i>Catalysis Communications</i> , 2007, 8, 21-26.	1.6	24
76	Effect of Ti on Ag catalyst supported on spherical fibrous silica for partial hydrogenation of dimethyl oxalate. <i>Applied Surface Science</i> , 2019, 466, 592-600.	3.1	24
77	Gas phase decarbonylation of diethyl oxalate to diethyl carbonate over alkali-containing catalyst. <i>Journal of Molecular Catalysis A</i> , 2009, 306, 130-135.	4.8	23
78	Microwave preparation of Ti-containing mesoporous materials. Application as catalysts for transesterification. <i>Chemical Engineering Journal</i> , 2011, 166, 744-750.	6.6	23
79	Reaction mechanism of dimethyl carbonate synthesis on Cu <sup>2+</sup> zeolites: DFT and AIM investigations. <i>RSC Advances</i> , 2012, 2, 7109.	1.7	23
80	Influence of water vapor on cyclic CO <sub>2</sub> capture performance in both carbonation and decarbonation stages for Ca-Al mixed oxide. <i>Chemical Engineering Journal</i> , 2019, 359, 542-551.	6.6	23
81	Enhanced performance of xNi@yMo-HSS catalysts for DRM reaction via the formation of a novel SiMoO <sub>x</sub> species. <i>Applied Catalysis B: Environmental</i> , 2021, 291, 120075.	10.8	23
82	Supported heteropolyacids catalysts for the selective hydrocracking and isomerization of n-C <sub>16</sub> to produce jet fuel. <i>Applied Catalysis A: General</i> , 2020, 598, 117556.	2.2	23
83	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.	2.3	22
84	Carbonylation of dimethyl ether over MOR and Cu/H-MOR catalysts: Comparative investigation of deactivation behavior. <i>Applied Catalysis A: General</i> , 2019, 576, 1-10.	2.2	22
85	Investigations of Catalytic Activity, Deactivation, and Regeneration of Pb(OAc) <sub>2</sub> for Methoxycarbonylation of 2,4-Toluene Diamine with Dimethyl Carbonate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 6858-6864.	1.8	20
86	Al-Stabilized Double-Shelled Hollow CaO-Based Microspheres with Superior CO <sub>2</sub> Adsorption Performance. <i>Energy &amp; Fuels</i> , 2018, 32, 9692-9700.	2.5	20
87	Partial hydrogenation of dimethyl oxalate on Cu/SiO <sub>2</sub> catalyst modified by sodium silicate. <i>Catalysis Today</i> , 2020, 358, 68-73.	2.2	20
88	CO <sub>2</sub> sorbents derived from capsule-connected Ca-Al hydrotalcite-like via low-saturated coprecipitation. <i>Fuel Processing Technology</i> , 2018, 177, 210-218.	3.7	19
89	Deactivation Mechanism of Cu/SiO <sub>2</sub> Catalysts in the Synthesis of Ethylene Glycol via Methyl Glycolate Hydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 12381-12388.	1.8	18
90	Improved Catalytic Performance in Dimethyl Ether Carbonylation over Hierarchical Mordenite by Enhancing Mass Transfer. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 13861-13869.	1.8	18

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91	Efficient MgO-doped CaO sorbent pellets for high temperature CO <sub>2</sub> capture. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 698-708.	2.3	18
92	LDH derived MgAl <sub>2</sub> O <sub>4</sub> spinel supported Pd catalyst for the low-temperature methane combustion: Roles of interaction between spinel and PdO. <i>Applied Catalysis A: General</i> , 2021, 621, 118211.	2.2	16
93	Confined high dispersion of Ni nanoparticles derived from nickel phyllosilicate structure in silicalite-2 shell for dry reforming of methane with enhanced performance. <i>Microporous and Mesoporous Materials</i> , 2021, 313, 110842.	2.2	16
94	Enhanced Thermocatalytic Stability by Coupling Nickel Step Sites with Nitrogen Heteroatoms for Dry Reforming of Methane. <i>ACS Catalysis</i> , 2022, 12, 316-330.	5.5	16
95	Ordered mesoporous carbons supported wacker-type catalyst for catalytic oxidative carbonylation. <i>AIChE Journal</i> , 2013, 59, 3797-3805.	1.8	15
96	Photocatalysis: Selective Deposition of Ag <sub>3</sub> PO <sub>4</sub> on Monoclinic BiVO <sub>4</sub> (040) for Highly Efficient Photocatalysis (Small 23/2013). <i>Small</i> , 2013, 9, 3950-3950.	5.2	15
97	Enhancement of Dimethyl Carbonate Synthesis with In Situ Hydrolysis of 2,2-Dimethoxy Propane. <i>Chemical Engineering and Technology</i> , 2016, 39, 723-729.	0.9	15
98	Preferential synthesis of ethanol from syngas via dimethyl oxalate hydrogenation over an integrated catalyst. <i>Chemical Communications</i> , 2019, 55, 5555-5558.	2.2	15
99	New ZnCe catalyst encapsulated in SBA-15 in the production of 1,3-butadiene from ethanol. <i>Chinese Chemical Letters</i> , 2020, 31, 535-538.	4.8	15
100	Mechanistic insight into the electron-donation effect of modified ZIF-8 on Ru for CO <sub>2</sub> hydrogenation to formic acid. <i>Journal of CO<sub>2</sub> Utilization</i> , 2022, 60, 101992.	3.3	14
101	Pd-Fe/±-Al <sub>2</sub> O <sub>3</sub> /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.	2.3	12
102	Ordered Mesoporous CuZn/HPS Catalysts for the Chemoselective Hydrogenation of Dimethyl Adipate to 1,6-Hexanediol. <i>Chemistry Letters</i> , 2017, 46, 1079-1082.	0.7	12
103	Fabrication of a NiFe Alloy Oxide Catalyst via Surface Reconstruction for Selective Hydrodeoxygenation of Fatty Acid to Fatty Alcohol. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15027-15041.	3.2	12
104	Effects of Intimacy between Acid and Metal Sites on the Isomerization of n-C <sub>16</sub> at the Large/Minor Nanoscale and Atomic Scale. <i>ACS Catalysis</i> , 2022, 12, 4092-4102.	5.5	12
105	Carbonation Condition and Modeling Studies of Calcium-Based Sorbent in the Fixed-Bed Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 10457-10464.	1.8	11
106	Hydrogenation of scCO <sub>2</sub> to Formic Acid Catalyzed by Heterogeneous Ruthenium(III)/Al <sub>2</sub> O <sub>3</sub> Catalysts. <i>Chemistry Letters</i> , 2016, 45, 555-557.	0.7	11
107	MOF-derived Cu@C Catalyst for the Liquid-phase Hydrogenation of Esters. <i>Chemistry Letters</i> , 2018, 47, 883-886.	0.7	11
108	Enhanced synergy between CuO and Cu <sup>+</sup> on nickel doped copper catalyst for gaseous acetic acid hydrogenation. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 666-678.	2.3	11



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109	Hydrodeoxygenation of aliphatic acid over NiFe intermetallic compounds: Insights into the mechanism via model compound study. <i>Fuel</i> , 2021, 305, 121545.	3.4	11
110	Transesterification of dimethyl oxalate with phenol over TiO <sub>2</sub> /SiO <sub>2</sub> : Catalyst screening and reaction optimization. <i>AIChE Journal</i> , 2008, 54, 3260-3272.	1.8	10
111	Silica supported potassium oxide catalyst for dehydration of 2-picolinamide to form 2-cyanopyridine. <i>Chinese Chemical Letters</i> , 2019, 30, 494-498.	4.8	10
112	The hydrotreatment of nC <sub>16</sub> over Pt/HPMo/SBA-15 and the investigation of diffusion effect using a novel WEP criterion. <i>AIChE Journal</i> , 2021, 67, e17330.	1.8	10
113	Promotional effect of indium on Cu/SiO <sub>2</sub> catalysts for the hydrogenation of dimethyl oxalate to ethylene glycol. <i>Catalysis Science and Technology</i> , 2021, 11, 6854-6865.	2.1	9
114	Comparative preparation of MoO <sub>3</sub> /SiO <sub>2</sub> catalysts using conventional and slurry impregnation method and activity in transesterification of dimethyl oxalate with phenol. <i>Catalysis Letters</i> , 2005, 99, 187-191.	1.4	8
115	Effect of Sulfate Modification on Structure Properties, Surface Acidity, and Transesterification Catalytic Performance of Titanium-Submitted Mesoporous Molecular Sieve. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 5737-5742.	1.8	8
116	Effect of Mo content in MoO <sub>3</sub> /g-Al <sub>2</sub> O <sub>3</sub> on the catalytic activity for transesterification of dimethyl oxalate with phenol. <i>Reaction Kinetics and Catalysis Letters</i> , 2004, 83, 113-120.	0.6	7
117	Dispersion and catalytic activity of MoO <sub>3</sub> on TiO <sub>2</sub> -SiO <sub>2</sub> binary oxide support. <i>AIChE Journal</i> , 2008, 54, 741-749.	1.8	7
118	DFT and DRIFTS studies of the oxidative carbonylation of methanol over $\beta$ -Cu <sub>2</sub> Cl(OH) <sub>3</sub> : the influence of Cl. <i>RSC Advances</i> , 2012, 2, 8752.	1.7	7
119	Photocatalysts: Monoclinic Porous BiVO <sub>4</sub> Networks Decorated by Discrete g-C <sub>3</sub> N <sub>4</sub> Nano-Islands with Tunable Coverage for Highly Efficient Photocatalysis (Small 14/2014). <i>Small</i> , 2014, 10, 2782-2782.	5.2	7
120	Enhanced CuCl dispersion by regulating acidity of MCM-41 for catalytic oxycarbonylation of ethanol to diethyl carbonate. <i>Frontiers of Chemical Science and Engineering</i> , 2015, 9, 224-231.	2.3	7
121	Oxycarbonylation of methanol over modified CuY: Enhanced activity by improving accessibility of active sites. <i>Chinese Chemical Letters</i> , 2019, 30, 775-778.	4.8	7
122	Kraft Lignin Ethanolysis over Zeolites with Different Acidity and Pore Structures for Aromatics Production. <i>Catalysts</i> , 2021, 11, 270.	1.6	7
123	Ti incorporation in MCM-41 mesoporous molecular sieves using hydrothermal synthesis. <i>Frontiers of Chemical Science and Engineering</i> , 2014, 8, 95-103.	2.3	6
124	Effect of thermal pretreatment on the surface structure of PtSn/SiO <sub>2</sub> catalyst and its performance in acetic acid hydrogenation. <i>Frontiers of Chemical Science and Engineering</i> , 2016, 10, 417-424.	2.3	6
125	Scale-up production and process optimization of Zr-doped CaO-based sorbent for CO <sub>2</sub> capture. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, e2502.	0.8	6
126	The cooperation effect of Ni and Pt in the hydrogenation of acetic acid. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 397-407.	2.3	6



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127	Highly active Pd-Fe/Al <sub>2</sub> O <sub>3</sub> catalyst with the bayberry tannin as chelating promoter for CO oxidative coupling to diethyl oxalate. Chinese Chemical Letters, 2021, 32, 796-800.	4.8	5
128	Effect of Ce doping on the catalytic performance of NiCeO <sub>y</sub> @SiO <sub>2</sub> catalysts for dry reforming of methane. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2678.	0.8	5
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