Sheng-ping Wang

List of Publications by Citations

135 papers	7,229 citations	37 h-index	83 g-index
142 ext. papers	8,494 ext. citations	8.2 avg, IF	6.19 L-index

#	Paper	IF	Citations
135	Recent advances in catalytic hydrogenation of carbon dioxide. *Chemical Society Reviews*, **2011**, 40, 3703-27	38.5	2216
134	Synthesis of ethanol via syngas on Cu/SiO2 catalysts with balanced Cu0-Cu+ sites. *Journal of the American Chemical Society*, **2012**, 134, 13922-5	16.4	474
133	Recent advances in capture of carbon dioxide using alkali-metal-based oxides. *Energy and Environmental Science*, **2011**, 4, 3805	35.4	276
132	Controllable synthesis of nanotube-type graphitic C3N4 and their visible-light photocatalytic and fluorescent properties. *Journal of Materials Chemistry A*, **2014**, 2, 2885	13	223
131	Recent advances in dialkyl carbonates synthesis and applications. *Chemical Society Reviews*, **2015**, 44, 3079-116	58.5	194
130	Morphology control of ceria nanocrystals for catalytic conversion of CO2 with methanol. *Nanoscale*, **2013**, 5, 5582-8	7.7	180
129	Propane Dehydrogenation over Pt/TiO2□Al2O3 Catalysts. *ACS Catalysis*, **2015**, 5, 438-447	13.1	177
128	Chemoselective synthesis of ethanol via hydrogenation of dimethyl oxalate on Cu/SiO2: Enhanced stability with boron dopant. *Journal of Catalysis*, **2013**, 297, 142-150	7.3	175
127	Sorption enhanced steam reforming of ethanol on Ni□CaO□Al2O3 multifunctional catalysts derived from hydrotalcite-like compounds. *Energy and Environmental Science*, **2012**, 5, 8942	35.4	142
126	Insight into the Balancing Effect of Active Cu Species for Hydrogenation of Carbon□Oxygen Bonds. *ACS Catalysis*, **2015**, 5, 6200-6208	13.1	141
125	Reduced Graphene Oxide (rGO)/BiVO4 Composites with Maximized Interfacial Coupling for Visible Lght Photocatalysis. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 2253-2258	8.3	140
124	Phosgene-free approaches to catalytic synthesis of diphenyl carbonate and its intermediates. *Applied Catalysis A: General*, **2007**, 316, 1-21	5.1	115
123	Hydrogenation of CO2 to formic acid on supported ruthenium catalysts. *Catalysis Today*, **2011**, 160, 184-190	3.9	112
122	Hydrogenation of dimethyl oxalate to ethylene glycol on a Cu/SiO2/cordierite monolithic catalyst: Enhanced internal mass transfer and stability. *AICHE Journal*, **2012**, 58, 2798-2809	3.6	97
121	Effect of cerium oxide doping on the performance of CaO-based sorbents during calcium looping cycles. *Environmental Science & Technology*, **2015**, 49, 5021-7	10.3	80
120	The synergistic effect between Ni sites and Ni-Fe alloy sites on hydrodeoxygenation of lignin-derived phenols. *Applied Catalysis B: Environmental*, **2019**, 253, 348-358	21.8	75
119	Efficient tuning of surface copper species of Cu/SiO2 catalyst for hydrogenation of dimethyl oxalate to ethylene glycol. *Chemical Engineering Journal*, **2017**, 313, 759-768	14.7	71

118	Hydrodeoxygenation of furans over Pd-FeOx/SiO2 catalyst under atmospheric pressure. *Applied Catalysis B: Environmental*, **2017**, 201, 266-277	21.8	69
117	Hydrogenation of dimethyl oxalate to ethylene glycol over mesoporous Cu-MCM-41 catalysts. *AICHE Journal*, **2013**, 59, 2530-2539	3.6	68
116	Enhanced oxygen mobility and reactivity for ethanol steam reforming. *AICHE Journal*, **2012**, 58, 516-525	3.6	61
115	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	5.5	59
114	WOx domain size, acid properties and mechanistic aspects of glycerol hydrogenolysis over Pt/WOx/ZrO2. *Applied Catalysis B: Environmental*, **2019**, 242, 410-421	21.8	59
113	Facile one-pot synthesis of Ni@HSS as a novel yolk-shell structure catalyst for dry reforming of methane. *Journal of CO2 Utilization*, **2018**, 24, 190-199	7.6	56
112	Effect of synergistic interaction between Ce and Mn on the CO2 capture of calcium-based sorbent: Textural properties, electron donation, and oxygen vacancy. *Chemical Engineering Journal*, **2018**, 334, 237-246	14.7	51
111	Dimethyl carbonate synthesis from carbon dioxide and methanol over CeO2 versus over ZrO2: comparison of mechanisms. *RSC Advances*, **2014**, 4, 30968-30975	3.7	51
110	Insight into the reaction mechanism of CO 2 activation for CH 4 reforming over NiO-MgO: A combination of DRIFTS and DFT study. *Applied Surface Science*, **2017**, 416, 59-68	6.7	49
109	Structure evolution of mesoporous silica supported copper catalyst for dimethyl oxalate hydrogenation. *Applied Catalysis A: General*, **2017**, 539, 59-69	5.1	48
108	An Effective CuZnSiO2 Bimetallic Catalyst Prepared by Hydrolysis Precipitation Method for the Hydrogenation of Methyl Acetate to Ethanol. *Industrial & Engineering Chemistry Research*, **2018**, 57, 4526-4534	3.9	44
107	Enhanced CO2 adsorption capacity and stability using CaO-based adsorbents treated by hydration. *AICHE Journal*, **2013**, 59, 3586-3593	3.6	44
106	Kinetics Study of Hydrogenation of Dimethyl Oxalate over Cu/SiO2 Catalyst. *Industrial & Engineering Chemistry Research*, **2015**, 54, 1243-1250	3.9	44
105	A PdFe/Al2O3/cordierite monolithic catalyst for CO coupling to oxalate. *Chemical Engineering Science*, **2011**, 66, 3513-3522	4.4	43
104	Modifying the acidity of H-MOR and its catalytic carbonylation of dimethyl ether. *Chinese Journal of Catalysis*, **2016**, 37, 1530-1537	11.3	43
103	Effect of crystal structure of copper species on the rate and selectivity in oxidative carbonylation of ethanol for diethyl carbonate synthesis. *Journal of Molecular Catalysis A*, **2005**, 227, 141-146		42
102	The nature of surface acidity and reactivity of MoO3/SiO2 and MoO3/TiO2SiO2 for transesterification of dimethyl oxalate with phenol: A comparative investigation. *Applied Catalysis B: Environmental*, **2007**, 77, 125-134	21.8	41
101	Effect of micro-structure and oxygen vacancy on the stability of (Zr-Ce)-additive CaO-based sorbent in CO 2 adsorption. *Journal of CO2 Utilization*, **2017**, 19, 165-176	7.6	39

100	Modification of Y Zeolite with Alkaline Treatment: Textural Properties and Catalytic Activity for Diethyl Carbonate Synthesis. *Industrial & Engineering Chemistry Research*, **2013**, 52, 6349-6356	3.9	38
99	RuCl3 anchored onto post-synthetic modification MIL-101(Cr)-NH2 as heterogeneous catalyst for hydrogenation of CO2 to formic acid. *Chinese Chemical Letters*, **2019**, 30, 398-402	8.1	37
98	Hydrogenation of Dimethyl Oxalate Using Extruded Cu/SiO2 Catalysts: Mechanical Strength and Catalytic Performance. *Industrial & Engineering Chemistry Research*, **2012**, 51, 13935-13943	3.9	36
97	Cu-doped zeolites for catalytic oxidative carbonylation: The role of Brønsted acids. *Applied Catalysis A: General*, **2012**, 417-418, 236-242	5.1	36
96	Fabrication of multi-shelled hollow Mg-modified CaCO 3 microspheres and their improved CO 2 adsorption performance. *Chemical Engineering Journal*, **2017**, 321, 401-411	14.7	35
95	Glycerol Hydrogenolysis to 1,3-Propanediol on Tungstate/Zirconia-Supported Platinum: Hydrogen Spillover Facilitated by Pt(1 1 1) Formation. *ChemCatChem*, **2016**, 8, 3663-3671	5.2	34
94	Hydrogenation of diesters on copper catalyst anchored on ordered hierarchical porous silica: Pore size effect. *Journal of Catalysis*, **2018**, 357, 223-237	7.3	33
93	Porous spherical CaO-based sorbents via PSS-assisted fast precipitation for CO2 capture. *ACS Applied Materials & Interfaces*, **2014**, 6, 18072-7	9.5	33
92	Catalytic Oxidative Carbonylation over Cu2O Nanoclusters Supported on Carbon Materials: The Role of the Carbon Support. *ChemCatChem*, **2014**, 6, 2671-2679	5.2	33
91	An in situ infrared study of dimethyl carbonate synthesis from carbon dioxide and methanol over well-shaped CeO 2. *Chinese Chemical Letters*, **2017**, 28, 65-69	8.1	32
90	Three dimensional Ag/KCC-1 catalyst with a hierarchical fibrous framework for the hydrogenation of dimethyl oxalate. *RSC Advances*, **2016**, 6, 12788-12791	3.7	32
89	Incorporation of Zr into Calcium Oxide for CO2 Capture by a Simple and Facile Sol–Gel Method. *Industrial & Engineering Chemistry Research*, **2016**, 55, 7873-7879	3.9	31
88	Ni-containing Cu/SiO2 catalyst for the chemoselective synthesis of ethanol via hydrogenation of dimethyl oxalate. *Catalysis Today*, **2016**, 276, 28-35	5.3	31
87	Hydrogenation of methyl acetate to ethanol by Cu/ZnO catalyst encapsulated in SBA-15. *AICHE Journal*, **2017**, 63, 2839-2849	3.6	29
86	Roles of Cu+ and Cu0 sites in liquid-phase hydrogenation of esters on core-shell CuZnx@C catalysts. *Applied Catalysis B: Environmental*, **2020**, 267, 118698	21.8	29
85	Microwave synthesis, characterization and transesterification activities of Ti-MCM-41. *Microporous and Mesoporous Materials*, **2012**, 156, 22-28	5.3	29
84	Characterization and catalytic activity of TiO2/SiO2 for transesterification of dimethyl oxalate with phenol. *Journal of Molecular Catalysis A*, **2004**, 214, 273-279		29
83	Enhancements of dimethyl carbonate synthesis from methanol and carbon dioxide: The in situ hydrolysis of 2-cyanopyridine and crystal face effect of ceria. *Chinese Chemical Letters*, **2015**, 26, 1096-1100	8.1	28

82	CaO-based meshed hollow spheres for CO2 capture. *Chemical Engineering Science*, **2015**, 135, 532-539	4.4	28
81	Effects of extrinsic defects originating from the interfacial reaction of CeO2-x-nickel silicate on catalytic performance in methane dry reforming. *Applied Catalysis B: Environmental*, **2020**, 277, 119278	21.8	25
80	A well fabricated PtSn/SiO2 catalyst with enhanced synergy between Pt and Sn for acetic acid hydrogenation to ethanol. *RSC Advances*, **2016**, 6, 51005-51013	3.7	25
79	Synergy between Cu and Brønsted acid sites in carbonylation of dimethyl ether over Cu/H-MOR. *Journal of Catalysis*, **2018**, 365, 440-449	7.3	25
78	Effect of the addition of Ce and Zr over a flower-like NiO-MgO (111) solid solution for CO2 reforming of methane. *Journal of CO2 Utilization*, **2018**, 26, 123-132	7.6	25
77	Transesterification of dimethyl oxalate with phenol over TS-1 catalyst. *Fuel Processing Technology*, **2003**, 83, 275-286	7.2	25
76	The effect of metal properties on the reaction routes of glycerol hydrogenolysis over platinum and ruthenium catalysts. *Catalysis Today*, **2017**, 298, 2-8	5.3	24
75	Insight into the nature of Brønsted acidity of Pt-(WOx)n-H model catalysts in glycerol hydrogenolysis. *Journal of Catalysis*, **2020**, 388, 154-163	7.3	24
74	Reaction mechanism of dimethyl carbonate synthesis on Cu/Ⅹeolites: DFT and AIM investigations. *RSC Advances*, **2012**, 2, 7109	3.7	23
73	Tuning porosity of Ti-MCM-41: implication for shape selective catalysis. *ACS Applied Materials & Interfaces*, **2011**, 3, 2154-60	9.5	22
72	A new type of catalyst PdCl2/Cu-HMS for synthesis of diethyl carbonate by oxidative carbonylation of ethanol. *Catalysis Communications*, **2007**, 8, 21-26	3.2	22
71	Ruthenium Complexes Immobilized on an Azolium Based Metal Organic Framework for Highly Efficient Conversion of CO2 into Formic Acid. *ChemCatChem*, **2019**, 11, 1256-1263	5.2	22
70	Microwave preparation of Ti-containing mesoporous materials. Application as catalysts for transesterification. *Chemical Engineering Journal*, **2011**, 166, 744-750	14.7	21
69	Insight into the Tunable CuY Catalyst for Diethyl Carbonate by Oxycarbonylation: Preparation Methods and Precursors. *Industrial & Engineering Chemistry Research*, **2014**, 53, 5838-5845	3.9	20
68	The Mn-promoted double-shelled CaCO3 hollow microspheres as high efficient CO2 adsorbents. *Chemical Engineering Journal*, **2019**, 372, 53-64	14.7	19
67	Gas phase decarbonylation of diethyl oxalate to diethyl carbonate over alkali-containing catalyst. *Journal of Molecular Catalysis A*, **2009**, 306, 130-135		19
66	Synthesis of Dimethyl Carbonate through Vapor-Phase Carbonylation Catalyzed by Pd-Doped Zeolites: Interaction of Lewis Acidic Sites and Pd Species. *ChemCatChem*, **2013**, 5, 2174-2177	5.2	18
65	Investigations of Catalytic Activity, Deactivation, and Regeneration of Pb(OAc)2 for Methoxycarbonylation of 2,4-Toluene Diamine with Dimethyl Carbonate. *Industrial & Engineering Chemistry Research*, **2007**, 46, 6858-6864	3.9	18

64	Adsorption of CO2 on MgAl-CO3 LDHs-Derived Sorbents with 3D Nanoflower-like Structure. *Energy & Fuels*, **2018**, 32, 5313-5320	4.1	17
63	Role of microstructure, electron transfer, and coordination state in the CO2 capture of calcium-based sorbent by doping (Zr-Mn). *Chemical Engineering Journal*, **2018**, 336, 376-385	14.7	17
62	Influence of water vapor on cyclic CO2 capture performance in both carbonation and decarbonation stages for Ca-Al mixed oxide. *Chemical Engineering Journal*, **2019**, 359, 542-551	14.7	16
61	Interface tuning of Cu+/Cu0 by zirconia for dimethyl oxalate hydrogenation to ethylene glycol over Cu/SiO2 catalyst. *Journal of Energy Chemistry*, **2020**, 49, 248-256	12	15
60	CO2 sorbents derived from capsule-connected Ca-Al hydrotalcite-like via low-saturated coprecipitation. *Fuel Processing Technology*, **2018**, 177, 210-218	7.2	15
59	Ordered mesoporous carbons supported wacker-type catalyst for catalytic oxidative carbonylation. *AIChE Journal*, **2013**, 59, 3797-3805	3.6	15
58	Influence of crystalline phase of Li-Al-O oxides on the activity of Wacker-type catalysts in dimethyl carbonate synthesis. *Frontiers of Chemical Science and Engineering*, **2012**, 6, 415-422	4.5	15
57	Photocatalysis: Selective Deposition of Ag3PO4 on Monoclinic BiVO4(040) for Highly Efficient Photocatalysis (Small 23/2013). *Small*, **2013**, 9, 3950-3950	11	15
56	Mesoporous LaAl0.25Ni0.75O3 perovskite catalyst using SBA-15 as templating agent for methane dry reforming. *Microporous and Mesoporous Materials*, **2020**, 303, 110278	5.3	14
55	Al-Stabilized Double-Shelled Hollow CaO-Based Microspheres with Superior CO2 Adsorption Performance. *Energy & Fuels*, **2018**, 32, 9692-9700	4.1	14
54	Effect of Ti on Ag catalyst supported on spherical fibrous silica for partial hydrogenation of dimethyl oxalate. *Applied Surface Science*, **2019**, 466, 592-600	6.7	14
53	Enhanced catalytic performance of Nix-V@HSS catalysts for the DRM reaction: The study of interfacial effects on Ni-VOx structure with a unique yolk-shell structure. *Journal of Catalysis*, **2021**, 396, 65-80	7.3	13
52	Carbonylation of dimethyl ether over MOR and Cu/H-MOR catalysts: Comparative investigation of deactivation behavior. *Applied Catalysis A: General*, **2019**, 576, 1-10	5.1	11
51	Enhancement of Dimethyl Carbonate Synthesis with In Situ Hydrolysis of 2,2-Dimethoxy Propane. *Chemical Engineering and Technology*, **2016**, 39, 723-729	2	11
50	Supported heteropolyacids catalysts for the selective hydrocracking and isomerization of n-C16 to produce jet fuel. *Applied Catalysis A: General*, **2020**, 598, 117556	5.1	11
49	New ZnCe catalyst encapsulated in SBA-15 in the production of 1,3-butadiene from ethanol. *Chinese Chemical Letters*, **2020**, 31, 535-538	8.1	11
48	Double-Site Doping of a V Promoter on Nix-V-MgAl Catalysts for the DRM Reaction: Simultaneous Effect on CH4 and CO2 Activation. *ACS Catalysis*, **2021**, 11, 8749-8765	13.1	11
47	Hydrogenation of scCO2 to Formic Acid Catalyzed by Heterogeneous Ruthenium(III)/Al2O3 Catalysts. *Chemistry Letters*, **2016**, 45, 555-557	1.7	10

46	Carbonation Condition and Modeling Studies of Calcium-Based Sorbent in the Fixed-Bed Reactor. *Industrial & Engineering Chemistry Research*, **2014**, 53, 10457-10464	3.9	10
45	Partial hydrogenation of dimethyl oxalate on Cu/SiO2 catalyst modified by sodium silicate. *Catalysis Today*, **2020**, 358, 68-73	5.3	10
44	Deactivation Mechanism of Cu/SiO2 Catalysts in the Synthesis of Ethylene Glycol via Methyl Glycolate Hydrogenation. *Industrial & Engineering Chemistry Research*, **2020**, 59, 12381-12388	3.9	9
43	Transesterification of dimethyl oxalate with phenol over TiO2/SiO2: Catalyst screening and reaction optimization. *AICHE Journal*, **2008**, 54, 3260-3272	3.6	9
42	Ordered Mesoporous CuZn/HPS Catalysts for the Chemoselective Hydrogenation of Dimethyl Adipate to 1,6-Hexanediol. *Chemistry Letters*, **2017**, 46, 1079-1082	1.7	8
41	Preferential synthesis of ethanol from syngas via dimethyl oxalate hydrogenation over an integrated catalyst. *Chemical Communications*, **2019**, 55, 5555-5558	5.8	8
40	Pd-Fe/γ-Al2O3/cordierite monolithic catalysts for the synthesis of dimethyl oxalate: effects of calcination and structure. *Frontiers of Chemical Science and Engineering*, **2012**, 6, 259-269	4.5	8
39	MOF-derived Cu@C Catalyst for the Liquid-phase Hydrogenation of Esters. *Chemistry Letters*, **2018**, 47, 883-886	1.7	8
38	Photocatalysts: Monoclinic Porous BiVO4 Networks Decorated by Discrete g-C3N4 Nano-Islands with Tunable Coverage for Highly Efficient Photocatalysis (Small 14/2014). *Small*, **2014**, 10, 2782-2782	11	7
37	DFT and DRIFTS studies of the oxidative carbonylation of methanol over γ-Cu2Cl(OH)3: the influence of Cl. *RSC Advances*, **2012**, 2, 8752	3.7	7
36	Comparative preparation of MoO3/SiO2 catalysts using conventional and slurry impregnation method and activity in transesterification of dimethy oxalate with phenol. *Catalysis Letters*, **2005**, 99, 187-191	2.8	7
35	Enhanced performance of xNi@yMo-HSS catalysts for DRM reaction via the formation of a novel SiMoOx species. *Applied Catalysis B: Environmental*, **2021**, 291, 120075	21.8	7
34	Kilogram-scale production and pelletization of Al-promoted CaO-based sorbent for CO2 capture. *Fuel*, **2021**, 301, 121049	7.1	7
33	Improved Catalytic Performance in Dimethyl Ether Carbonylation over Hierarchical Mordenite by Enhancing Mass Transfer. *Industrial & Engineering Chemistry Research*, **2020**, 59, 13861-13869	3.9	6
32	Effect of Sulfate Modification on Structure Properties, Surface Acidity, and Transesterification Catalytic Performance of Titanium-Submitted Mesoporous Molecular Sieve. *Industrial & Engineering Chemistry Research*, **2012**, 51, 5737-5742	3.9	6
31	Dispersion and catalytic activity of MoO3 on TiO2-SiO2 binary oxide support. *AICHE Journal*, **2008**, 54, 741-749	3.6	6
30	Effect of Mo content in MoO3/g-Al2O3 on the catalytic activity for transesterification of dimethyl oxalate with phenol. *Reaction Kinetics and Catalysis Letters*, **2004**, 83, 113-120		6
29	Silica supported potassium oxide catalyst for dehydration of 2-picolinamide to form 2-cyanopyridine. *Chinese Chemical Letters*, **2019**, 30, 494-498	8.1	6

28	Effect of thermal pretreatment on the surface structure of PtSn/SiO2 catalyst and its performance in acetic acid hydrogenation. *Frontiers of Chemical Science and Engineering*, **2016**, 10, 417-424	4.5	5
27	Ti incorporation in MCM-41 mesoporous molecular sieves using hydrothermal synthesis. *Frontiers of Chemical Science and Engineering*, **2014**, 8, 95-103	4.5	5
26	Efficient MgO-doped CaO sorbent pellets for high temperature CO2 capture. *Frontiers of Chemical Science and Engineering*, **2021**, 15, 698-708	4.5	5
25	Oxycarbonylation of methanol over modified CuY: Enhanced activity by improving accessibility of active sites. *Chinese Chemical Letters*, **2019**, 30, 775-778	8.1	4
24	Confined high dispersion of Ni nanoparticles derived from nickel phyllosilicate structure in silicalite-2 shell for dry reforming of methane with enhanced performance. *Microporous and Mesoporous Materials*, **2021**, 313, 110842	5.3	4
23	Enhanced CuCl dispersion by regulating acidity of MCM-41 for catalytic oxycarbonylation of ethanol to diethyl carbonate. *Frontiers of Chemical Science and Engineering*, **2015**, 9, 224-231	4.5	3
22	Fabrication of a NiFe Alloy Oxide Catalyst via Surface Reconstruction for Selective Hydrodeoxygenation of Fatty Acid to Fatty Alcohol. *ACS Sustainable Chemistry and Engineering*,	8.3	3
21	Hydrodeoxygenation of aliphatic acid over NiFe intermetallic compounds: Insights into the mechanism via model compound study. *Fuel*, **2021**, 305, 121545	7.1	3
20	Scale-up production and process optimization of Zr-doped CaO-based sorbent for CO2 capture. *Asia-Pacific Journal of Chemical Engineering*, **2020**, 15, e2502	1.3	2
19	Determining Roles of Cu0 in the Chemosynthesis of Diols via Condensed Diester Hydrogenation on Cu/SiO2 Catalyst. *ChemCatChem*, **2020**, 12, 3849-3852	5.2	2
18	Infrared spectra of methanol desorption in a He stream and under vacuum on CeO2 and ZrO2 catalyst surfaces. *RSC Advances*, **2016**, 6, 19792-19793	3.7	2
17	Effect of Mo loading on transesterification activities of MoO3/□Al2O3 catalysts prepared by conventional and slurry impregnation methods. *Reaction Kinetics and Catalysis Letters*, **2005**, 84, 79-86		2
16	Pelletization and attrition of CaO-based adsorbent for CO2 capture. *Asia-Pacific Journal of Chemical Engineering*, **2021**, 16, e2656	1.3	2
15	LDH derived MgAl2O4 spinel supported Pd catalyst for the low-temperature methane combustion: Roles of interaction between spinel and PdO. *Applied Catalysis A: General*, **2021**, 621, 118211	5.1	2
14	Highly active Pd-Fe/□Al2O3 catalyst with the bayberry tannin as chelating promoter for CO oxidative coupling to diethyl oxalate. *Chinese Chemical Letters*, **2021**, 32, 796-800	8.1	2
13	Promotional effect of indium on Cu/SiO2 catalysts for the hydrogenation of dimethyl oxalate to ethylene glycol. *Catalysis Science and Technology*,	5.5	2
12	Copper Phyllosilicate Nanotube Catalysts for the Chemosynthesis of Cyclohexane via Hydrodeoxygenation of Phenol. *ACS Catalysis*,4724-4736	13.1	2
11	Mechanistic insight into the electron-donation effect of modified ZIF-8 on Ru for CO2 hydrogenation to formic acid. *Journal of CO2 Utilization*, **2022**, 60, 101992	7.6	2

10	Enhanced Thermocatalytic Stability by Coupling Nickel Step Sites with Nitrogen Heteroatoms for Dry Reforming of Methane. *ACS Catalysis*, **2022**, 12, 316-330	13.1	2
9	Adsorption of CO2on Mixed Oxides Derived from CaAlClO4-Layered Double Hydroxide. *Energy & Fuels*, **2016**,	4.1	1
8	The hydrotreatment of n-C16 over Pt/HPMo/SBA-15 and the investigation of diffusion effect using a novel W-P criterion. *AICHE Journal*, **2021**, 67, e17330	3.6	1
7	Effect of Ce doping on the catalytic performance of xNiCeOy@SiO2 catalysts for dry reforming of methane. *Asia-Pacific Journal of Chemical Engineering*, **2021**, 16, e2678	1.3	1
6	Enhanced synergy between Cu0 and Cu+ on nickel doped copper catalyst for gaseous acetic acid hydrogenation. *Frontiers of Chemical Science and Engineering*, **2021**, 15, 666-678	4.5	1
5	Kraft Lignin Ethanolysis over Zeolites with Different Acidity and Pore Structures for Aromatics Production. *Catalysts*, **2021**, 11, 270	4	1
4	Attrition of CaO-based adsorbent in a laboratory-scale fluidized system. *Powder Technology*, **2021**, 393, 368-379	5.2	1
3	The cooperation effect of Ni and Pt in the hydrogenation of acetic acid. *Frontiers of Chemical Science and Engineering*,1	4.5	0
2	Effects of Intimacy between Acid and Metal Sites on the Isomerization of n-C16 at the Large/Minor Nanoscale and Atomic Scale. *ACS Catalysis*, **2022**, 12, 4092-4102	13.1	0
1	Effect of Mo loading on transesterification activities of MoO3/g-Al2O3 catalysts prepared by conventional and slurry impregnation methods. *Reaction Kinetics and Catalysis Letters*, **2005**, 84, 79-86		