

Yunhan Sun

List of Publications by Year in descending order

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297
papers

14,109
citations

22132

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all docs

306
docs citations

306
times ranked

13011
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct conversion of CO ₂ into liquid fuels with high selectivity over a bifunctional catalyst. <i>Nature Chemistry</i> , 2017, 9, 1019-1024.	6.6	757
2	Cobalt carbide nanoprisms for direct production of lower olefins from syngas. <i>Nature</i> , 2016, 538, 84-87.	13.7	647
3	A review of the catalytic hydrogenation of carbon dioxide into value-added hydrocarbons. <i>Catalysis Science and Technology</i> , 2017, 7, 4580-4598.	2.1	385
4	Direct Production of Lower Olefins from CO ₂ Conversion via Bifunctional Catalysis. <i>ACS Catalysis</i> , 2018, 8, 571-578.	5.5	382
5	Influence of Zr on the performance of Cu/Zn/Al/Zr catalysts via hydrotalcite-like precursors for CO ₂ hydrogenation to methanol. <i>Journal of Catalysis</i> , 2013, 298, 51-60.	3.1	322
6	A short review of heterogeneous catalytic process for mixed alcohols synthesis via syngas. <i>Catalysis Today</i> , 2009, 147, 133-138.	2.2	311
7	Metal-Free Nitrogen-Doped Mesoporous Carbon for Electroreduction of CO ₂ to Ethanol. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10840-10844.	7.2	289
8	Exclusive Formation of Formic Acid from CO ₂ Electroreduction by a Tunable Pd ₅ Sn Alloy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12219-12223.	7.2	264
9	C(sp ³)- ¹³ C functionalizations of light hydrocarbons using decatungstate photocatalysis in flow. <i>Science</i> , 2020, 369, 92-96.	6.0	263
10	Rationally designed indium oxide catalysts for CO ₂ hydrogenation to methanol with high activity and selectivity. <i>Science Advances</i> , 2020, 6, eaaz2060.	4.7	211
11	Novel Heterogeneous Catalysts for CO ₂ Hydrogenation to Liquid Fuels. <i>ACS Central Science</i> , 2020, 6, 1657-1670.	5.3	182
12	Selective Production of Aromatics Directly from Carbon Dioxide Hydrogenation. <i>ACS Catalysis</i> , 2019, 9, 3866-3876.	5.5	177
13	Single-Crystalline Dodecahedral and Octodecahedral Fe ₂ O ₃ Particles Synthesized by a Fluoride Anion-Assisted Hydrothermal Method. <i>Advanced Functional Materials</i> , 2010, 20, 3987-3996.	7.8	176
14	Controlled Synthesis of N-Doped Carbon Nanospheres with Tailored Mesopores through Self-Assembly of Colloidal Silica. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15191-15196.	7.2	171
15	Effects of Sodium on the Catalytic Performance of CoMn Catalysts for Fischer-Tropsch to Olefin Reactions. <i>ACS Catalysis</i> , 2017, 7, 3622-3631.	5.5	157
16	Self-Assembly of Thiourea-Crosslinked Graphene Oxide Framework Membranes toward Separation of Small Molecules. <i>Advanced Materials</i> , 2018, 30, e1705775.	11.1	154
17	pH-Responsive Drug Release from Polymer-Coated Mesoporous Silica Spheres. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12753-12758.	1.5	124
18	Disulfide-Catalyzed Visible-Light-Mediated Oxidative Cleavage of C=C Bonds and Evidence of an Olefin-Disulfide Charge-Transfer Complex. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 832-836.	7.2	119

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19	CuFe, CuCo and CuNi nanoparticles as catalysts for higher alcohol synthesis from syngas: a comparative study. <i>Catalysis Science and Technology</i> , 2013, 3, 1591.	2.1	118
20	Methanol synthesis from CO ₂ hydrogenation over La ³⁺ /M ²⁺ /Cu ²⁺ /Zn ²⁺ O (M = Y, Ce, Mg, Zr) catalysts derived from perovskite-type precursors. <i>Journal of Power Sources</i> , 2014, 251, 113-121.	4.0	115
21	Effect of pore structure on Ni catalyst for CO ₂ reforming of CH ₄ . <i>Energy and Environmental Science</i> , 2010, 3, 366.	15.6	114
22	Synthesis of dimethyl carbonate by transesterification over CaO/carbon composites. <i>Green Chemistry</i> , 2003, 5, 343.	4.6	112
23	Advances in bifunctional catalysis for higher alcohol synthesis from syngas. <i>Chinese Journal of Catalysis</i> , 2013, 34, 116-129.	6.9	111
24	Highly efficient Cu-based catalysts via hydrotalcite-like precursors for CO ₂ hydrogenation to methanol. <i>Catalysis Today</i> , 2017, 281, 327-336.	2.2	111
25	Strict molecular sieving over electrodeposited 2D-interspersing-narrowed graphene oxide membranes. <i>Nature Communications</i> , 2017, 8, 825.	5.8	110
26	Selective Transformation of CO ₂ and H ₂ into Lower Olefins over In ₂ O ₃ -ZnZrO ₃ /SAPO-34 Bifunctional Catalysts. <i>ChemSusChem</i> , 2019, 12, 3582-3591.	3.6	103
27	Yttrium oxide modified Cu/ZnO/Al ₂ O ₃ catalysts via hydrotalcite-like precursors for CO ₂ hydrogenation to methanol. <i>Catalysis Science and Technology</i> , 2015, 5, 4365-4377.	2.1	99
28	Strain improvement of <i>Chlorella</i> sp. for phenol biodegradation by adaptive laboratory evolution. <i>Bioresource Technology</i> , 2016, 205, 264-268.	4.8	96
29	Preparation and activity of Cu/Zn/Al/Zr catalysts via hydrotalcite-containing precursors for methanol synthesis from CO ₂ hydrogenation. <i>Catalysis Science and Technology</i> , 2012, 2, 1447.	2.1	95
30	Catalytic performance of spray-dried Cu/ZnO/Al ₂ O ₃ /ZrO ₂ catalysts for slurry methanol synthesis from CO ₂ hydrogenation. <i>Journal of CO₂ Utilization</i> , 2016, 15, 72-82.	3.3	94
31	Exclusive Formation of Formic Acid from CO ₂ Electroreduction by a Tunable Pd ₅₅ Sn Alloy. <i>Angewandte Chemie</i> , 2017, 129, 12387-12391.	1.6	92
32	Direct Production of Higher Oxygenates by Syngas Conversion over a Multifunctional Catalyst. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4627-4631.	7.2	92
33	Low-temperature hydrogen production from methanol steam reforming on Zn-modified Pt/MoC catalysts. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118500.	10.8	90
34	0D-2D Quantum Dot: Metal Dichalcogenide Nanocomposite Photocatalyst Achieves Efficient Hydrogen Generation. <i>Advanced Materials</i> , 2017, 29, 1605646.	11.1	89
35	Enhanced Electrocatalysis via 3D Graphene Aerogel Engineered with a Silver Nanowire Network for Ultrahigh-Rate Zinc-Air Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1700041.	7.8	85
36	Single atomic Ag enhances the bifunctional activity and cycling stability of MnO ₂ . <i>Chemical Engineering Journal</i> , 2019, 366, 631-638.	6.6	83

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37	Synthesis of Dimethyl Carbonate from Urea and Methanol over ZnO. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 7596-7599.	1.8	81
38	Mechanism of the Mn Promoter via CoMn Spinel for Morphology Control: Formation of Co ₂ C Nanoprisms for Fischer-Tropsch to Olefins Reaction. <i>ACS Catalysis</i> , 2017, 7, 8023-8032.	5.5	79
39	Carbon-based adsorbents for post-combustion capture: a review. , 2018, 8, 11-36.		77
40	Recent advances in the investigation of nanoeffects of Fischer-Tropsch catalysts. <i>Catalysis Today</i> , 2018, 311, 8-22.	2.2	77
41	Comparative study of wastewater treatment and nutrient recycle via activated sludge, microalgae and combination systems. <i>Bioresource Technology</i> , 2016, 211, 1-5.	4.8	74
42	A Nickel-Based Perovskite Catalyst with a Bimodal Size Distribution of Nickel Particles for Dry Reforming of Methane. <i>ChemCatChem</i> , 2018, 10, 2078-2086.	1.8	74
43	The Effect of Nitrogen on the Autoreduction of Cobalt Nanoparticles Supported on Nitrogen-Doped Ordered Mesoporous Carbon for the Fischer-Tropsch Synthesis. <i>ChemCatChem</i> , 2014, 6, 319-327.	1.8	69
44	The Properties of Individual Carbon Residuals and Their Influence on The Deactivation of Ni-Ca-ZrO ₂ Catalysts in CH ₄ Dry Reforming. <i>ChemCatChem</i> , 2014, 6, 640-648.	1.8	69
45	Metal-Free Nitrogen-Doped Mesoporous Carbon for Electroreduction of CO ₂ to Ethanol. <i>Angewandte Chemie</i> , 2017, 129, 10980-10984.	1.6	69
46	Bimetallic Covalent Organic Frameworks for Constructing Multifunctional Electrocatalyst. <i>Chemistry - A European Journal</i> , 2019, 25, 3105-3111.	1.7	69
47	Structural evolution of CuFe bimetallic nanoparticles for higher alcohol synthesis. <i>Journal of Molecular Catalysis A</i> , 2013, 378, 319-325.	4.8	68
48	Palladium single atoms supported by interwoven carbon nanotube and manganese oxide nanowire networks for enhanced electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23366-23377.	5.2	68
49	Fluorinated Cu/Zn/Al/Zr hydrotalcites derived nanocatalysts for CO ₂ hydrogenation to methanol. <i>Journal of CO₂ Utilization</i> , 2016, 16, 32-41.	3.3	66
50	Exploring the Effect of Co ₃ O ₄ Nanocatalysts with Different Dimensional Architectures on Methane Combustion. <i>ChemCatChem</i> , 2016, 8, 540-545.	1.8	66
51	High-Yield Synthesis of Dimethyl Carbonate from Urea and Methanol Using a Catalytic Distillation Process. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 2683-2687.	1.8	65
52	Highly stable mesoporous NiO-Y ₂ O ₃ -Al ₂ O ₃ catalysts for CO ₂ reforming of methane: effect of Ni embedding and Y ₂ O ₃ promotion. <i>Catalysis Science and Technology</i> , 2016, 6, 449-459.	2.1	65
53	Direct Production of Higher Oxygenates by Syngas Conversion over a Multifunctional Catalyst. <i>Angewandte Chemie</i> , 2019, 131, 4675-4679.	1.6	65
54	Effect of pore size on the performance of mesoporous zirconia-supported cobalt Fischer-Tropsch catalysts. <i>Green Chemistry</i> , 2007, 9, 611-615.	4.6	64

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55	Fischer–Tropsch Synthesis to Olefins: Catalytic Performance and Structure Evolution of Co ₂ -C-Based Catalysts under a CO ₂ Environment. ACS Catalysis, 2019, 9, 9554-9567.	5.5	64
56	Comparative techno-economic study of solar energy integrated hydrogen supply pathways for hydrogen refueling stations in China. Energy Conversion and Management, 2020, 223, 113240.	4.4	64
57	Coke suppression in MTO over hierarchical SAPO-34 zeolites. RSC Advances, 2016, 6, 28787-28791.	1.7	63
58	Grafting of Amines on Ethanol-Extracted SBA-15 for CO ₂ Adsorption. Materials, 2013, 6, 981-999.	1.3	62
59	Advances in direct production of value-added chemicals via syngas conversion. Science China Chemistry, 2017, 60, 887-903.	4.2	62
60	Adsorption-intensified degradation of organic pollutants over bifunctional Fe@carbon nanofibres. Environmental Science: Nano, 2017, 4, 302-306.	2.2	61
61	Ni/ADM: a high activity and selectivity to C ₂ +OH catalyst for catalytic conversion of synthesis gas to C ₁ -C ₅ mixed alcohols. Topics in Catalysis, 2005, 32, 233-239.	1.3	60
62	Facile synthesis of catalytically active CeO ₂ for soot combustion. Catalysis Science and Technology, 2015, 5, 1941-1952.	2.1	60
63	La ₂ O ₃ catalysts with diverse spatial dimensionality for oxidative coupling of methane to produce ethylene and ethane. RSC Advances, 2016, 6, 34872-34876.	1.7	60
64	Deactivation study of CuCo catalyst for higher alcohol synthesis via syngas. Catalysis Today, 2016, 270, 101-107.	2.2	58
65	Experimental and numerical investigation of fractal-tree-like heat exchanger manufactured by 3D printing. Chemical Engineering Science, 2019, 195, 250-261.	1.9	58
66	CaO–ZrO ₂ Solid Solution: A Highly Stable Catalyst for the Synthesis of Dimethyl Carbonate from Propylene Carbonate and Methanol. Catalysis Letters, 2005, 105, 253-257.	1.4	57
67	Direct synthesis of long-chain alcohols from syngas over CoMn catalysts. Applied Catalysis A: General, 2018, 549, 179-187.	2.2	57
68	Tuning the interaction between Na and Co ₂ C to promote selective CO ₂ hydrogenation to ethanol. Applied Catalysis B: Environmental, 2021, 293, 120207.	10.8	57
69	The intrinsic effects of shell thickness on the Fischer–Tropsch synthesis over core–shell structured catalysts. Catalysis Science and Technology, 2013, 3, 3250.	2.1	56
70	Efficient dehydration of the organic solvents through graphene oxide (GO)/ceramic composite membranes. RSC Advances, 2014, 4, 52012-52015.	1.7	54
71	Slurry methanol synthesis from CO ₂ hydrogenation over micro-spherical SiO ₂ support Cu/ZnO catalysts. Journal of CO ₂ Utilization, 2018, 26, 642-651.	3.3	54
72	Promotion of CO ₂ Electrochemical Reduction via Cu Nanodendrites. ACS Applied Materials & Interfaces, 2020, 12, 11562-11569.	4.0	54

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73	Cobalt Carbide Nanocatalysts for Efficient Syngas Conversion to Value-Added Chemicals with High Selectivity. <i>Accounts of Chemical Research</i> , 2021, 54, 1961-1971.	7.6	54
74	Design of a carbon-resistant Ni@S-2 reforming catalyst: Controllable Ni nanoparticles sandwiched in a peasecod-like structure. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119546.	10.8	53
75	Unsupported CuFe bimetallic nanoparticles for higher alcohol synthesis via syngas. <i>Catalysis Communications</i> , 2013, 40, 154-157.	1.6	52
76	Stable and efficient aromatic yield from methanol over alkali treated hierarchical Zn-containing HZSM-5 zeolites. <i>Microporous and Mesoporous Materials</i> , 2016, 231, 110-116.	2.2	52
77	Morphology control of Co ₂ C nanostructures via the reduction process for direct production of lower olefins from syngas. <i>Journal of Catalysis</i> , 2018, 366, 289-299.	3.1	52
78	A Short Review of Recent Advances in Direct CO ₂ Hydrogenation to Alcohols. <i>Topics in Catalysis</i> , 2021, 64, 371-394.	1.3	52
79	Low temperature microwave-assisted pyrolysis of wood sawdust for phenolic rich compounds: Kinetics and dielectric properties analysis. <i>Bioresource Technology</i> , 2017, 238, 109-115.	4.8	51
80	n-Dodecane Hydroconversion over Ni/AlMCM-41 Catalysts. <i>Catalysis Letters</i> , 2004, 93, 235-242.	1.4	49
81	Effect of various alkaline agents on the size and morphology of nano-sized HKUST-1 for CO ₂ adsorption. <i>RSC Advances</i> , 2015, 5, 27901-27911.	1.7	49
82	Constructing Hierarchically Hollow Core-Shell MnO ₂ /C Hybrid Spheres for High-Performance Lithium Storage. <i>Small</i> , 2016, 12, 3914-3919.	5.2	48
83	Studies of Cobalt Particle Size Effects on Fischer-Tropsch Synthesis over Core-Shell Structured Catalysts. <i>ChemCatChem</i> , 2013, 5, 3794-3801.	1.8	46
84	Facile one-pot synthesis of mesoporous carbon and N-doped carbon for CO ₂ capture by a novel melting-assisted solvent-free method. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23990-23999.	5.2	46
85	Enhancing fermentation wastewater treatment by co-culture of microalgae with volatile fatty acid- and alcohol-degrading bacteria. <i>Algal Research</i> , 2018, 31, 31-39.	2.4	46
86	Constructing Synergistic Zn ₄ and Fe ₄ O Dual Sites from the COF@MOF Derived Hollow Carbon for Oxygen Reduction Reaction. <i>Small Structures</i> , 2022, 3, .	6.9	46
87	Insights into oil recovery, soil rehabilitation and low temperature behaviors of microwave-assisted petroleum-contaminated soil remediation. <i>Journal of Hazardous Materials</i> , 2019, 377, 341-348.	6.5	45
88	Particle Size Effects of Cobalt Carbide for Fischer-Tropsch to Olefins. <i>ACS Catalysis</i> , 2019, 9, 798-809.	5.5	45
89	Significance of Surface Trivalent Manganese in the Electrocatalytic Activity of Water Oxidation in Undoped and Doped MnO ₂ Nanowires. <i>ChemCatChem</i> , 2015, 7, 1848-1856.	1.8	44
90	Preparation and CO ₂ hydrogenation catalytic properties of alumina microsphere supported Cu-based catalyst by deposition-precipitation method. <i>Journal of CO₂ Utilization</i> , 2017, 17, 263-272.	3.3	44

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91	Investigation of the role of Nb on Pd ⁺ Zr ⁺ Zn catalyst in methanol steam reforming for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 11717-11733.	3.8	44
92	Enhanced Ethanol Production from CO ₂ Electroreduction at Micropores in Nitrogen-Doped Mesoporous Carbon. <i>ChemSusChem</i> , 2020, 13, 293-297.	3.6	44
93	Hierarchical micro/nanostructured silver hollow fiber boosts electroreduction of carbon dioxide. <i>Nature Communications</i> , 2022, 13, .	5.8	43
94	Super Hydrophobic Mesoporous Silica with Anchored Methyl Groups on the Surface by a One-Step Synthesis without Surfactant Template. <i>Journal of Physical Chemistry C</i> , 2007, 111, 999-1004.	1.5	42
95	Highly efficient production of lactic acid from xylose using Sn-beta catalysts. <i>Green Chemistry</i> , 2020, 22, 7333-7336.	4.6	42
96	Surface-modified spherical activated carbon materials for pre-combustion carbon dioxide capture. <i>RSC Advances</i> , 2015, 5, 33681-33690.	1.7	41
97	Tuning chemical environment and synergistic relay reaction to promote higher alcohols synthesis via syngas conversion. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119840.	10.8	41
98	Modified Zinc Oxide for the Direct Synthesis of Propylene Carbonate from Propylene Glycol and Carbon dioxide. <i>Catalysis Letters</i> , 2007, 118, 290-294.	1.4	40
99	Synthesis of higher alcohols over highly dispersed Cu ⁺ Fe based catalysts derived from layered double hydroxides. <i>Journal of Colloid and Interface Science</i> , 2016, 470, 162-171.	5.0	40
100	Catalyst Design for Selective Hydrodeoxygenation of Glycerol to 1,3-Propanediol. <i>ACS Catalysis</i> , 2020, 10, 15217-15226.	5.5	39
101	Visualization of the Formation and 3D Porous Structure of Ag Doped MnO ₂ Aerogel Monoliths with High Photocatalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6277-6287.	3.2	38
102	Surface-modified Improvement in Catalytic Performance of Cr(salen) Complexes Immobilized on MCM-41 in Solvent-Free Selective Oxidation of Benzyl Alcohol. <i>Catalysis Letters</i> , 2007, 119, 87-94.	1.4	37
103	A Simple Non-Aqueous Route to Anatase TiO ₂ . <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1236-1240.	1.0	37
104	Au@Pd _x with a PdO _x -rich shell and Au-rich core embedded in Co ₃ O ₄ nanorods for catalytic combustion of methane. <i>Nanoscale</i> , 2017, 9, 2123-2128.	2.8	37
105	Nature inspired fractal tree-like photobioreactor via 3D printing for CO ₂ capture by microalgae. <i>Chemical Engineering Science</i> , 2019, 193, 6-14.	1.9	37
106	Optimization of a Decatungstate-Catalyzed C(sp ³) ⁺ H Alkylation Using a Continuous Oscillatory Millistructured Photoreactor. <i>Organic Process Research and Development</i> , 2020, 24, 2356-2361.	1.3	37
107	Efficient production of lactic acid from sugars over Sn-Beta zeolite in water: catalytic performance and mechanistic insights. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1163-1171.	2.5	36
108	A highly active and stable Pd/MoC catalyst for hydrogen production from methanol decomposition. <i>Applied Catalysis B: Environmental</i> , 2021, 299, 120648.	10.8	36

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109	Investigation of Atom-Level Reaction Kinetics of Carbon-Resistant Bimetallic NiCo-Reforming Catalysts: Combining Microkinetic Modeling and Density Functional Theory. <i>ACS Catalysis</i> , 2022, 12, 4382-4393.	5.5	36
110	The oxidizing pretreatment-mediated autoreduction behaviour of cobalt nanoparticles supported on ordered mesoporous carbon for Fischer-Tropsch synthesis. <i>Catalysis Science and Technology</i> , 2014, 4, 717.	2.1	35
111	Enhanced thermochemical CO ₂ splitting over Mg- and Ca-doped ceria/zirconia solid solutions. <i>RSC Advances</i> , 2014, 4, 5583.	1.7	35
112	Comparative environmental and economic performance of solar energy integrated methanol production systems in China. <i>Energy Conversion and Management</i> , 2019, 187, 63-75.	4.4	35
113	Ru single atoms for efficient chemoselective hydrogenation of nitrobenzene to azoxybenzene. <i>Green Chemistry</i> , 2021, 23, 4753-4761.	4.6	35
114	Effective synthesis of propylene carbonate from propylene glycol and carbon dioxide by alkali carbonates. <i>Catalysis Letters</i> , 2006, 112, 187-191.	1.4	34
115	Fast capture of methyl-dyes over hierarchical amino-Co _{0.3} Ni _{0.7} Fe ₂ O ₄ @SiO ₂ nanofibrous membranes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22000-22004.	5.2	34
116	Dually confined Ni nanoparticles by room-temperature degradation of AlN for dry reforming of methane. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 118921.	10.8	34
117	Sol-Gel Synthesis of Methyl Modified Optical Silica Coatings and Gels from DDS and TEOS. <i>Journal of Sol-Gel Science and Technology</i> , 2005, 33, 19-24.	1.1	33
118	Enhanced Interactions between Gold and MnO ₂ Nanowires for Water Oxidation: A Comparison of Different Chemical and Physical Preparation Methods. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2049-2057.	3.2	33
119	Performance of the La-Mn-Zn-Cu-O Based Perovskite Precursors for Methanol Synthesis from CO ₂ Hydrogenation. <i>Catalysis Letters</i> , 2015, 145, 1177-1185.	1.4	33
120	Ultralow Pt Catalyst for Formaldehyde Removal: The Determinant Role of Support. <i>IScience</i> , 2018, 9, 487-501.	1.9	33
121	Cu/Mn/ZrO ₂ catalyst for alcohol synthesis by Fischer-Tropsch modified elements. <i>Reaction Kinetics and Catalysis Letters</i> , 2002, 75, 297-304.	0.6	32
122	Standing Carbon-Supported Trace Levels of Metal Derived from Covalent Organic Framework for Electrocatalysis. <i>Small</i> , 2019, 15, e1905363.	5.2	32
123	CO ₂ splitting via two step thermochemical reactions over doped ceria/zirconia solid solutions. <i>RSC Advances</i> , 2013, 3, 18878.	1.7	31
124	Effects of metal promotion on CuMgFe catalysts derived from layered double hydroxides for higher alcohol synthesis via syngas. <i>RSC Advances</i> , 2015, 5, 51868-51874.	1.7	31
125	Effect of Sodium on the Structure-Performance Relationship of Co/SiO ₂ for Fischer-Tropsch Synthesis. <i>Chinese Journal of Chemistry</i> , 2017, 35, 918-926.	2.6	31
126	Effect of Reaction Pressures on Structure-Performance of Co ₂ C-Based Catalyst for Syngas Conversion. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 15647-15653.	1.8	31

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127	Techno-economic evaluation of CO ₂ -rich natural gas dry reforming for linear alpha olefins production. <i>Energy Conversion and Management</i> , 2020, 205, 112348.	4.4	31
128	Carbon Dioxide Capture by MgO-modified MCM-41 Materials. <i>Adsorption Science and Technology</i> , 2009, 27, 593-601.	1.5	30
129	Influence of element doping on La ³⁺ /Mn ²⁺ /Cu ²⁺ /O based perovskite precursors for methanol synthesis from CO ₂ /H ₂ . <i>RSC Advances</i> , 2014, 4, 48888-48896.	1.7	30
130	Chromium-based metal-organic framework/mesoporous carbon composite: synthesis, characterization and CO ₂ adsorption. <i>Adsorption</i> , 2015, 21, 77-86.	1.4	30
131	Facile one-pot solvent-free synthesis of hierarchical ZSM-5 for methanol to gasoline conversion. <i>RSC Advances</i> , 2016, 6, 15816-15820.	1.7	30
132	Gamma-Ray Irradiation to Accelerate Crystallization of Mesoporous Zeolites. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11325-11329.	7.2	30
133	Stable nanocrystalline zirconia sols prepared by a novel method: Alcohol thermal synthesis. <i>Journal of Materials Research</i> , 2000, 15, 402-406.	1.2	29
134	Synthesis of Higher Alcohols from Syngas over Ultrafine Mo ³⁺ /Co ²⁺ /K Catalysts. <i>Catalysis Letters</i> , 2001, 76, 249-253.	1.4	29
135	Epoxidation of Styrene with H ₂ O ₂ Catalyzed by Alanine-Salicylaldehyde Schiff Base Chromium (III) Complexes Immobilized on Mesoporous Materials. <i>Catalysis Letters</i> , 2010, 136, 96-105.	1.4	29
136	Fischer-Tropsch Synthesis over Ordered Mesoporous Carbon Supported Cobalt Catalysts: The Role of Amount of Carbon Precursor in Catalytic Performance. <i>Catalysis Letters</i> , 2012, 142, 195-204.	1.4	29
137	Solvent-Free Synthesis of <i>c</i> -Axis Oriented ZSM-5 Crystals with Enhanced Methanol to Gasoline Catalytic Activity. <i>ChemCatChem</i> , 2016, 8, 3317-3322.	1.8	29
138	Disulfide-Catalyzed Visible-Light-Mediated Oxidative Cleavage of C=C Bonds and Evidence of an Olefin-Disulfide Charge-Transfer Complex. <i>Angewandte Chemie</i> , 2017, 129, 850-854.	1.6	29
139	Control of CoO/Co ₂ C dual active sites for higher alcohols synthesis from syngas. <i>Applied Catalysis A: General</i> , 2020, 602, 117704.	2.2	29
140	Enhanced <i>n</i> -dodecane hydroisomerization performance by tailoring acid sites on bifunctional Pt/ZSM-22 <i>via</i> alkaline treatment. <i>New Journal of Chemistry</i> , 2018, 42, 111-117.	1.4	28
141	Effect of the support on cobalt carbide catalysts for sustainable production of olefins from syngas. <i>Chinese Journal of Catalysis</i> , 2018, 39, 1869-1880.	6.9	28
142	Tandem Catalysis for Selective Oxidation of Methane to Oxygenates Using Oxygen over PdCu/Zelite. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	27
143	CO ₂ Hydrogenation to Methanol over PdZnZr Solid Solution: Effects of the PdZn Alloy and Oxygen Vacancy. <i>ACS Applied Energy Materials</i> , 2021, 4, 9258-9266.	2.5	26
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