

Yunhan Sun

List of Publications by Year in Descending Order

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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.

286
papers

9,651
citations

51
h-index

84
g-index

306
ext. papers

11,799
ext. citations

7
avg, IF

6.46
L-index

#	Paper	IF	Citations
286	Enhanced Carrier Spatial Separation and Interfacial Transfer for Photocatalytic Cyanation of Olefins. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 831-837	8.3	0
285	Solar driven efficient direct conversion of methane to multicarbon oxygenates. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 7856-7868	13	1
284	Constructing Synergistic Zn-N 4 and Fe-N 4 O Dual-Sites from the COF@MOF Derived Hollow Carbon for Oxygen Reduction Reaction. <i>Small Structures</i> , 2022 , 3, 2100225	8.7	10
283	Efficient and Stable Co/EMo ₂ C Catalyst for Hydroformylation. <i>ACS Catalysis</i> , 2021 , 11, 14319-14327	13.1	3
282	Theoretical Insights into Morphologies of Alkali-Promoted Cobalt Carbide Catalysts for Fischer-Tropsch Synthesis. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 6061-6072	3.8	4
281	Ultralow Rh Bimetallic Catalysts with High Catalytic Activity for the Hydrogenation of N-Ethylcarbazole. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 5260-5267	8.3	2
280	Hierarchical ZSM-5 Supported CoMn Catalyst for the Production of Middle Distillate from Syngas. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 5783-5791	3.9	2
279	Copper hollow fiber electrode for efficient CO ₂ electroreduction. <i>Journal of Power Sources</i> , 2021 , 495, 229814	8.9	6
278	Selective Production of Linear Aldehydes and Alcohols from Alkenes using Formic Acid as Syngas Surrogate. <i>Chemistry - A European Journal</i> , 2021 , 27, 9919-9924	4.8	1
277	Tuning chemical environment and synergistic relay reaction to promote higher alcohols synthesis via syngas conversion. <i>Applied Catalysis B: Environmental</i> , 2021 , 285, 119840	21.8	16
276	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	21.8	12
275	Chemo- and regioselective hydroformylation of alkenes with CO ₂ /H ₂ over a bifunctional catalyst. <i>Green Chemistry</i> , 2021 ,	10	4
274	Ru single atoms for efficient chemoselective hydrogenation of nitrobenzene to azoxybenzene. <i>Green Chemistry</i> , 2021 , 23, 4753-4761	10	9
273	Valerolactone-introduced controlled-isomerization of glucose for lactic acid production over an Sn-Beta catalyst. <i>Green Chemistry</i> , 2021 , 23, 2634-2639	10	8
272	IrFe/ZSM-5 Synergistic Catalyst for Selective Oxidation of Methane to Formic Acid. <i>Energy & Fuels</i> , 2021 , 35, 4418-4427	4.1	6
271	Cobalt Carbide Nanocatalysts for Efficient Syngas Conversion to Value-Added Chemicals with High Selectivity. <i>Accounts of Chemical Research</i> , 2021 , 54, 1961-1971	24.3	14
270	Direct Conversion of Syngas to Higher Alcohols over Multifunctional Catalyst: The Role of Copper-Based Component and Catalytic Mechanism. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 6137-6146	2.8	8

269	Investigating the Effect of the Initial Valence States of Copper on CO ₂ Electroreduction. <i>ChemElectroChem</i> , 2021 , 8, 3366-3370	4.3	1
268	Direct conversion of CO to a jet fuel over CoFe alloy catalysts. <i>Innovation(China)</i> , 2021 , 2, 100170	17.8	3
267	Tuning the interaction between Na and Co ₂ C to promote selective CO ₂ hydrogenation to ethanol. <i>Applied Catalysis B: Environmental</i> , 2021 , 293, 120207	21.8	13
266	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	6.1	3
265	A highly active and stable Pd/MoC catalyst for hydrogen production from methanol decomposition. <i>Applied Catalysis B: Environmental</i> , 2021 , 299, 120648	21.8	12
264	A Short Review of Recent Advances in Direct CO ₂ Hydrogenation to Alcohols. <i>Topics in Catalysis</i> , 2021 , 64, 371-394	2.3	18
263	A DFT-based microkinetic study on methanol synthesis from CO hydrogenation over the InO catalyst. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 1888-1895	3.6	9
262	Insight into Composition and Intermediate Evolutions of Copper-Based Catalysts during Gas-Phase CO ₂ Electroreduction to Multicarbon Oxygenates. <i>Catalysts</i> , 2021 , 11, 1502	4	0
261	Catalyst Design for Selective Hydrodeoxygenation of Glycerol to 1,3-Propanediol. <i>ACS Catalysis</i> , 2020 , 10, 15217-15226	13.1	17
260	Tuning of active sites in M/TiO ₂ for photocatalytic cyanation of olefins with high regioselectivity. <i>Applied Catalysis A: General</i> , 2020 , 604, 117787	5.1	1
259	Complete Formaldehyde Removal over 3D Structured Na _{1.1} Mn ₄ O ₈ @Mn ₅ O ₈ Biphasic-Crystals. <i>ChemCatChem</i> , 2020 , 12, 3512-3522	5.2	5
258	Control of CoO/Co ₂ C dual active sites for higher alcohols synthesis from syngas. <i>Applied Catalysis A: General</i> , 2020 , 602, 117704	5.1	12
257	Rationally designed indium oxide catalysts for CO hydrogenation to methanol with high activity and selectivity. <i>Science Advances</i> , 2020 , 6, eaaz2060	14.3	84
256	Gas-phase CO ₂ photoreduction via iron/ZSM-5 composites. <i>Applied Catalysis A: General</i> , 2020 , 595, 117503	5.1	9
255	Dually confined Ni nanoparticles by room-temperature degradation of AlN for dry reforming of methane. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 118921	21.8	13
254	Gamma-Ray Irradiation to Accelerate Crystallization of Mesoporous Zeolites. <i>Angewandte Chemie</i> , 2020 , 132, 11421-11425	3.6	4
253	Gamma-Ray Irradiation to Accelerate Crystallization of Mesoporous Zeolites. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11325-11329	16.4	13
252	C(sp)-H functionalizations of light hydrocarbons using decatungstate photocatalysis in flow. <i>Science</i> , 2020 , 369, 92-96	33.3	128

251	Optimization of a Decatungstate-Catalyzed C(sp)-H Alkylation Using a Continuous Oscillatory Millistructured Photoreactor. <i>Organic Process Research and Development</i> , 2020 , 24, 2356-2361	3.9	22
250	Induced CO Electroreduction to Formic Acid on Metal-Organic Frameworks via Node Doping. <i>ChemSusChem</i> , 2020 , 13, 4035-4040	8.3	10
249	Efficient one-pot valorization of ethanol to 1-butanol over an earth-abundant NiMgO catalyst under mild conditions. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 1612-1615	5.8	7
248	Effects of alkali metal promoters on the structure-performance relationship of CoMn catalysts for Fischer-Tropsch synthesis. <i>Catalysis Science and Technology</i> , 2020 , 10, 1816-1826	5.5	12
247	Syngas Conversion to Aromatics over the Co ₂ C-Based Catalyst and HZSM-5 via a Tandem System. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 4419-4427	3.9	8
246	Solvent-Free Synthesis of Mg-Incorporated Nanocrystalline SAPO-34 Zeolites via Natural Clay for Chloromethane-to-Olefin Conversion. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 4185-4193	8.3	8
245	Promotion of CO Electrochemical Reduction via Cu Nanodendrites. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11562-11569	9.5	17
244	Effects of particle size on bifunctional Pt/SAPO-11 catalysts in the hydroisomerization of n-dodecane. <i>New Journal of Chemistry</i> , 2020 , 44, 2996-3003	3.6	9
243	Enhanced hydroformylation of 1-hexene in microbubble media. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020 , 15, e2484	1.3	0
242	Evoked Methane Photocatalytic Conversion to C ₂ Oxygenates over Ceria with Oxygen Vacancy. <i>Catalysts</i> , 2020 , 10, 196	4	15
241	Methanol Steam Reforming over ZnPt/MoC Catalysts: Effects of Hydrogen Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 18756-18770	3.9	4
240	Fischer-Tropsch to olefins over CoMn-based catalysts: Effect of preparation methods. <i>Applied Catalysis A: General</i> , 2020 , 592, 117414	5.1	9
239	Enhanced Ethanol Production from CO Electroreduction at Micropores in Nitrogen-Doped Mesoporous Carbon. <i>ChemSusChem</i> , 2020 , 13, 293-297	8.3	30
238	Enhanced Hydroformylation in a Continuous Flow Microreactor System. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 88-98	3.9	9
237	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	10.6	20
236	Low-temperature hydrogen production from methanol steam reforming on Zn-modified Pt/MoC catalysts. <i>Applied Catalysis B: Environmental</i> , 2020 , 264, 118500	21.8	38
235	Tuning the Facet Proportion of Co ₂ C Nanoprisms for Fischer-Tropsch Synthesis to Olefins. <i>ChemCatChem</i> , 2020 , 12, 1630-1638	5.2	13
234	Highly efficient production of lactic acid from xylose using Sn-beta catalysts. <i>Green Chemistry</i> , 2020 , 22, 7333-7336	10	20

233	Quantitative Conversion of Methanol to Methyl Formate on Graphene-Confined Nano-Oxides. <i>IScience</i> , 2020 , 23, 101157	6.1	8
232	Advances in Clean Fuel Ethanol Production from Electro-, Photo- and Photoelectro-Catalytic CO ₂ Reduction. <i>Catalysts</i> , 2020 , 10, 1287	4	10
231	Comparative techno-economic study of solar energy integrated hydrogen supply pathways for hydrogen refueling stations in China. <i>Energy Conversion and Management</i> , 2020 , 223, 113240	10.6	26
230	Novel Heterogeneous Catalysts for CO Hydrogenation to Liquid Fuels. <i>ACS Central Science</i> , 2020 , 6, 1657-1670	11.6	52
229	Stable Trimetallic NiFeCu Catalysts with High Carbon Resistance for Dry Reforming of Methane. <i>ChemPlusChem</i> , 2020 , 85, 1120-1128	2.8	4
228	Toward a Full One-Pass Conversion for the Fischer-Tropsch Synthesis over a Highly Selective Cobalt Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 8195-8201	3.9	2
227	Atmospheric pressure synthesis of nano-scale SAPO-34 catalysts for effective conversion of methanol to light olefins. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 3101-3108	5.8	7
226	Fischer-Tropsch Synthesis to Olefins: Catalytic Performance and Structure Evolution of Co ₂ C-Based Catalysts under a CO ₂ Environment. <i>ACS Catalysis</i> , 2019 , 9, 9554-9567	13.1	42
225	Direct Production of Higher Oxygenates by Syngas Conversion over a Multifunctional Catalyst. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4627-4631	16.4	47
224	Direct production of olefins syngas conversion over CoC-based catalyst in slurry bed reactor.. <i>RSC Advances</i> , 2019 , 9, 4131-4139	3.7	7
223	Direct Production of Higher Oxygenates by Syngas Conversion over a Multifunctional Catalyst. <i>Angewandte Chemie</i> , 2019 , 131, 4675-4679	3.6	5
222	Morphology-Controlled Synthesis of H-type MFI Zeolites with Unique Stacked Structures through a One-Pot Solvent-Free Strategy. <i>ChemSusChem</i> , 2019 , 12, 3871-3877	8.3	15
221	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	12.8	24
220	Facile Synthesis of Highly Coking-Resistant and Active Nickel-Based Catalyst for Low-Temperature CO ₂ Reforming of Methane. <i>Energy Technology</i> , 2019 , 7, 1900521	3.5	9
219	Selective Transformation of CO and H into Lower Olefins over In O -ZnZrO /SAPO-34 Bifunctional Catalysts. <i>ChemSusChem</i> , 2019 , 12, 3582-3591	8.3	56
218	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	5.8	24
217	Comparative environmental and economic performance of solar energy integrated methanol production systems in China. <i>Energy Conversion and Management</i> , 2019 , 187, 63-75	10.6	18
216	Hydrofunctionalization of Olefins to Higher Aliphatic Alcohols via Visible-Light Photocatalytic Coupling. <i>Catalysis Letters</i> , 2019 , 149, 1651-1659	2.8	3

215	Selective Production of Aromatics Directly from Carbon Dioxide Hydrogenation. <i>ACS Catalysis</i> , 2019 , 9, 3866-3876	13.1	89
214	Investigation of the role of Nb on Pd γ Zn catalyst in methanol steam reforming for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 11717-11733	6.7	24
213	Preparation of Highly Dispersion CuO/MCM-41 Catalysts for CO γ Hydrogenation. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 3218-3222	1.3	1
212	Experimental and numerical investigation of fractal-tree-like heat exchanger manufactured by 3D printing. <i>Chemical Engineering Science</i> , 2019 , 195, 250-261	4.4	27
211	Differences in the Nature of Reaction Process for Thermochemical CO γ Splitting over NiFe γ O γ -Based Materials. <i>Energy Technology</i> , 2019 , 7, 1800523	3.5	3
210	Dual-Role Membrane as NH γ Permselective Reactor and Azeotrope Separator in Urea Alcoholysis. <i>ACS Central Science</i> , 2019 , 5, 1834-1843	16.8	6
209	Standing Carbon-Supported Trace Levels of Metal Derived from Covalent Organic Framework for Electrocatalysis. <i>Small</i> , 2019 , 15, e1905363	11	20
208	Research Progress on the Photocatalytic Conversion of Methane and Methanol. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2019 , 35, 923-939	3.8	6
207	Cobalt-based ferrites as efficient redox materials for thermochemical two-step CO γ -splitting: enhanced performance due to cation diffusion. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 975-984	5.8	2
206	Single atomic Ag enhances the bifunctional activity and cycling stability of MnO γ . <i>Chemical Engineering Journal</i> , 2019 , 366, 631-638	14.7	52
205	Novel Cobalt Carbide Catalyst Wall-Coating Method for FeCrAlloy Microchannels Exemplified on Direct Production of Lower Olefins from Syngas. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 22967-22976	3.9	1
204	The direct synthesis of a bio-lubricant by the oligomerization of methyl linoleate via castor oil. <i>Green Chemistry</i> , 2019 , 21, 6658-6666	10	3
203	Nature inspired fractal tree-like photobioreactor via 3D printing for CO γ capture by microalgae. <i>Chemical Engineering Science</i> , 2019 , 193, 6-14	4.4	26
202	Particle Size Effects of Cobalt Carbide for Fischer-Tropsch to Olefins. <i>ACS Catalysis</i> , 2019 , 9, 798-809	13.1	22
201	Bimetallic Covalent Organic Frameworks for Constructing Multifunctional Electrocatalyst. <i>Chemistry - A European Journal</i> , 2019 , 25, 3105-3111	4.8	32
200	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	5	31
199	Carbon-based adsorbents for post-combustion capture: a review 2018 , 8, 11-36		56
198	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	5.2	51

197	Potassium Tethered Carbons with Unparalleled Adsorption Capacity and Selectivity for Low-Cost Carbon Dioxide Capture from Flue Gas. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3495-3505	9.5	12
196	Melting-assisted solvent-free synthesis of hierarchical SAPO-34 with enhanced methanol to olefins (MTO) performance. <i>Catalysis Science and Technology</i> , 2018 , 8, 423-427	5.5	22
195	Self-Assembly of Thiourea-Crosslinked Graphene Oxide Framework Membranes toward Separation of Small Molecules. <i>Advanced Materials</i> , 2018 , 30, e1705775	24	110
194	Direct synthesis of long-chain alcohols from syngas over CoMn catalysts. <i>Applied Catalysis A: General</i> , 2018 , 549, 179-187	5.1	33
193	Recent advances in the investigation of nanoeffects of Fischer-Tropsch catalysts. <i>Catalysis Today</i> , 2018 , 311, 8-22	5.3	61
192	Hydrofunctionalization of olefins to value-added chemicals via photocatalytic coupling. <i>Green Chemistry</i> , 2018 , 20, 3450-3456	10	10
191	Photocatalytic Coupling of Methanol and Formaldehyde into Ethylene Glycol with High Atomic Efficiency. <i>Catalysis Letters</i> , 2018 , 148, 2274-2282	2.8	5
190	Microwave-assisted in-situ elimination of primary tars over biochar: Low temperature behaviours and mechanistic insights. <i>Bioresource Technology</i> , 2018 , 267, 333-340	11	16
189	Slurry methanol synthesis from CO ₂ hydrogenation over micro-spherical SiO ₂ support Cu/ZnO catalysts. <i>Journal of CO₂ Utilization</i> , 2018 , 26, 642-651	7.6	38
188	Formic Acid-Induced Controlled-Release Hydrolysis of Microalgae (<i>Scenedesmus</i>) to Lactic Acid over Sn-Beta Catalyst. <i>ChemSusChem</i> , 2018 , 11, 2492-2496	8.3	19
187	Process intensification of honeycomb fractal micro-reactor for the direct production of lower olefins from syngas. <i>Chemical Engineering Journal</i> , 2018 , 351, 12-21	14.7	15
186	Enhanced n-dodecane hydroisomerization performance by tailoring acid sites on bifunctional Pt/ZSM-22 via alkaline treatment. <i>New Journal of Chemistry</i> , 2018 , 42, 111-117	3.6	20
185	Direct Production of Lower Olefins from CO ₂ Conversion via Bifunctional Catalysis. <i>ACS Catalysis</i> , 2018 , 8, 571-578	13.1	232
184	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	13	45
183	Ultralow Pt Catalyst for Formaldehyde Removal: The Determinant Role of Support. <i>IScience</i> , 2018 , 9, 487-501	6.1	24
182	Porosity at the interface of organic matter and mineral components contribute significantly to gas adsorption on shales. <i>Journal of CO₂ Utilization</i> , 2018 , 28, 73-82	7.6	7
181	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	11.3	23
180	Effect of Reaction Pressures on StructurePerformance of Co ₂ C-Based Catalyst for Syngas Conversion. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 15647-15653	3.9	19

179	Facile Solvent-free Synthesis of Hollow Fiber Catalyst Assembled by c-axis Oriented ZSM-5 Crystals. <i>ChemCatChem</i> , 2018 , 10, 5619-5626	5.2	9
178	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	7.3	32
177	Oxygenates from the Electrochemical Reduction of Carbon Dioxide. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 1992	4.5	8
176	Enhanced activity of Mg-Fe-O ferrites for two-step thermochemical CO ₂ splitting. <i>Journal of CO₂ Utilization</i> , 2018 , 26, 544-551	7.6	3
175	Highly efficient Cu-based catalysts via hydrotalcite-like precursors for CO ₂ hydrogenation to methanol. <i>Catalysis Today</i> , 2017 , 281, 327-336	5.3	73
174	Au@PdO with a PdO-rich shell and Au-rich core embedded in CoO nanorods for catalytic combustion of methane. <i>Nanoscale</i> , 2017 , 9, 2123-2128	7.7	28
173	Selective Oxidation of Methanol to Dimethoxymethane at Low Temperatures through Size-controlled VTiOx Nanoparticles. <i>ChemCatChem</i> , 2017 , 9, 1776-1781	5.2	10
172	0D-2D Quantum Dot: Metal Dichalcogenide Nanocomposite Photocatalyst Achieves Efficient Hydrogen Generation. <i>Advanced Materials</i> , 2017 , 29, 1605646	24	73
171	Effects of Sodium on the Catalytic Performance of CoMn Catalysts for Fischer-Tropsch to Olefin Reactions. <i>ACS Catalysis</i> , 2017 , 7, 3622-3631	13.1	104
170	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	11	33
169	Adsorption-intensified degradation of organic pollutants over bifunctional Fe@carbon nanofibres. <i>Environmental Science: Nano</i> , 2017 , 4, 302-306	7.1	53
168	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	4.9	23
167	Direct conversion of CO into liquid fuels with high selectivity over a bifunctional catalyst. <i>Nature Chemistry</i> , 2017 , 9, 1019-1024	17.6	498
166	Advances in direct production of value-added chemicals via syngas conversion. <i>Science China Chemistry</i> , 2017 , 60, 887-903	7.9	43
165	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	15.6	70
164	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	3.6	20
163	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	16.4	89
162	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	7.6	26

161	Strict molecular sieving over electrodeposited 2D-interspacings-narrowed graphene oxide membranes. <i>Nature Communications</i> , 2017 , 8, 825	17.4	69
160	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	13.1	46
159	First principles studies on the selectivity of dimethoxymethane and methyl formate in methanol oxidation over VO/TiO ₂ -based catalysts. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 19393-19406	3.6	8
158	A review of the catalytic hydrogenation of carbon dioxide into value-added hydrocarbons. <i>Catalysis Science and Technology</i> , 2017 , 7, 4580-4598	5.5	251
157	Exclusive Formation of Formic Acid from CO ₂ Electroreduction by a Tunable Pd-Sn Alloy. <i>Angewandte Chemie</i> , 2017 , 129, 12387-12391	3.6	72
156	Exclusive Formation of Formic Acid from CO Electroreduction by a Tunable Pd-Sn Alloy. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12219-12223	16.4	196
155	Metal-Free Nitrogen-Doped Mesoporous Carbon for Electroreduction of CO ₂ to Ethanol. <i>Angewandte Chemie</i> , 2017 , 129, 10980-10984	3.6	51
154	Metal-Free Nitrogen-Doped Mesoporous Carbon for Electroreduction of CO to Ethanol. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10840-10844	16.4	214
153	Mechanism of Microwave-Assisted Pyrolysis of Glucose to Furfural Revealed by Isotopic Tracer and Quantum Chemical Calculations. <i>ChemSusChem</i> , 2017 , 10, 3040-3043	8.3	10
152	Postsynthesis of mesoporous ZSM-5 zeolites with TPAOH-assisted desilication and determination of activity performance in N ₂ O decomposition. <i>Journal of Porous Materials</i> , 2017 , 24, 759-767	2.4	7
151	Characterization of Co-Cultivation of Cyanobacteria on Growth, Productions of Polysaccharides and Extracellular Proteins, Nitrogenase Activity, and Photosynthetic Activity. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 181, 340-349	3.2	12
150	Deactivation study of CuCo catalyst for higher alcohol synthesis via syngas. <i>Catalysis Today</i> , 2016 , 270, 101-107	5.3	52
149	Highly stable mesoporous NiO _x /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	5.5	54
148	Solvent-Free Synthesis of c-Axis Oriented ZSM-5 Crystals with Enhanced Methanol to Gasoline Catalytic Activity. <i>ChemCatChem</i> , 2016 , 8, 3317-3322	5.2	17
147	3 D Imaging and Structural Analysis of a Mesoporous-Silica-Body-Supported Eggshell Cobalt Catalyst for Fischer-Tropsch Synthesis. <i>ChemCatChem</i> , 2016 , 8, 2920-2929	5.2	1
146	Solvent-Free Synthesis of c-Axis Oriented ZSM-5 Crystals with Enhanced Methanol to Gasoline Catalytic Activity. <i>ChemCatChem</i> , 2016 , 8, 3305-3305	5.2	1
145	3 D Imaging and Structural Analysis of a Mesoporous-Silica-Body-Supported Eggshell Cobalt Catalyst for Fischer-Tropsch Synthesis. <i>ChemCatChem</i> , 2016 , 8, 2860-2860	5.2	
144	Ultrasmall Au ₁₀ clusters anchored on pyramid-capped rectangular TiO ₂ for olefin oxidation. <i>Nano Research</i> , 2016 , 9, 1182-1192	10	13

143	Fluorinated Cu/Zn/Al/Zr hydrotalcites derived nanocatalysts for CO ₂ hydrogenation to methanol. <i>Journal of CO₂ Utilization</i> , 2016 , 16, 32-41	7.6	46
142	Exploring the Effect of Co ₃ O ₄ Nanocatalysts with Different Dimensional Architectures on Methane Combustion. <i>ChemCatChem</i> , 2016 , 8, 540-545	5.2	54
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