Yu Cong

List of Publications by Citations

64	2,030	27	44
papers	citations	h-index	g-index
70	2,388	8.7	4.77
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
64	Synthesis of high-quality diesel with furfural and 2-methylfuran from hemicellulose. *ChemSusChem*, **2012**, 5, 1958-66	8.3	152
63	Synthesis of renewable high-density fuels using cyclopentanone derived from lignocellulose. *Chemical Communications*, **2014**, 50, 2572-4	5.8	121
62	Aqueous phase hydrogenation of levulinic acid to 1,4-pentanediol. *Chemical Communications*, **2014**, 50, 1414-6	5.8	109
61	Synthesis of renewable diesel with hydroxyacetone and 2-methyl-furan. *Chemical Communications*, **2013**, 49, 5727-9	5.8	102
60	Solvent-free synthesis of C10 and C11 branched alkanes from furfural and methyl isobutyl ketone. *ChemSusChem*, **2013**, 6, 1149-52	8.3	91
59	Synthesis of diesel and jet fuel range alkanes with furfural and ketones from lignocellulose under solvent free conditions. *Green Chemistry*, **2014**, 16, 4879-4884	10	89
58	Synthesis of Diesel or Jet Fuel Range Cycloalkanes with 2-Methylfuran and Cyclopentanone from Lignocellulose. *Energy & Fuels*, **2014**, 28, 5112-5118	4.1	83
57	Hydrodeoxygenation of furans over Pd-FeOx/SiO2 catalyst under atmospheric pressure. *Applied Catalysis B: Environmental*, **2017**, 201, 266-277	21.8	69
56	Synthesis of Diesel and Jet Fuel Range Alkanes with Furfural and Angelica Lactone. *ACS Catalysis*, **2017**, 7, 5880-5886	13.1	68
55	Integrated Conversion of Cellulose to High-Density Aviation Fuel. *Joule*, **2019**, 3, 1028-1036	27.8	67
54	Synthesis of renewable diesel range alkanes by hydrodeoxygenation of furans over Ni/H□under mild conditions. *Green Chemistry*, **2014**, 16, 594-599	10	67
53	Lignosulfonate-based acidic resin for the synthesis of renewable diesel and jet fuel range alkanes with 2-methylfuran and furfural. *Green Chemistry*, **2015**, 17, 3644-3652	10	58
52	Coordinatively Unsaturated Al3+ Sites Anchored Subnanometric Ruthenium Catalyst for Hydrogenation of Aromatics. *ACS Catalysis*, **2017**, 7, 5987-5991	13.1	54
51	Synthesis of high density aviation fuel with cyclopentanol derived from lignocellulose. *Scientific Reports*, **2015**, 5, 9565	4.9	52
50	Synthesis of Jet-Fuel Range Cycloalkanes from the Mixtures of Cyclopentanone and Butanal. *Industrial & Engineering Chemistry Research*, **2015**, 54, 11825-11837	3.9	48
49	Synthesis of Renewable High-Density Fuel with Cyclopentanone Derived from Hemicellulose. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 1812-1817	8.3	45
48	Making JP-10 Superfuel Affordable with a Lignocellulosic Platform Compound. *Angewandte Chemie - International Edition*, **2019**, 58, 12154-12158	16.4	45

47	Protonated titanate nanotubes as a highly active catalyst for the synthesis of renewable diesel and jet fuel range alkanes. *Applied Catalysis B: Environmental*, **2015**, 170-171, 124-134	21.8	42
46	Synthesis of High-Density Aviation Fuel with Cyclopentanol. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 6160-6166	8.3	38
45	Dual-bed catalyst system for the direct synthesis of high density aviation fuel with cyclopentanone from lignocellulose. *AICHE Journal*, **2016**, 62, 2754-2761	3.6	33
44	Synthesis of Renewable Triketones, Diketones, and Jet-Fuel Range Cycloalkanes with 5-Hydroxymethylfurfural and Ketones. *ChemSusChem*, **2017**, 10, 711-719	8.3	32
43	Production of Renewable Jet Fuel Range Branched Alkanes with Xylose and Methyl Isobutyl Ketone. *Industrial & Engineering Chemistry Research*, **2014**, 53, 13618-13625	3.9	32
42	Industrially scalable and cost-effective synthesis of 1,3-cyclopentanediol with furfuryl alcohol from lignocellulose. *Green Chemistry*, **2016**, 18, 3607-3613	10	31
41	Highly efficient synthesis of 5-hydroxymethylfurfural with carbohydrates over renewable cyclopentanone-based acidic resin. *Green Chemistry*, **2017**, 19, 1855-1860	10	30
40	Direct synthesis of gasoline and diesel range branched alkanes with acetone from lignocellulose. *Green Chemistry*, **2016**, 18, 3707-3711	10	28
39	Synthesis of jet fuel range cycloalkanes with diacetone alcohol from lignocellulose. *Green Chemistry* , **2016**, 18, 5751-5755	10	28
38	Selective Production of Renewable para-Xylene by Tungsten Carbide Catalyzed Atom-Economic Cascade Reactions. *Angewandte Chemie - International Edition*, **2018**, 57, 1808-1812	16.4	27
37	Catalytic conversion of isophorone to jet-fuel range aromatic hydrocarbons over a MoO(x)/SiO2 catalyst. *Chemical Communications*, **2015**, 51, 11876-9	5.8	22
36	Synthesis of Renewable C8–C10 Alkanes with Angelica Lactone and Furfural from Carbohydrates. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 6126-6134	8.3	22
35	Synthesis of renewable diesel with 2-methylfuran and angelica lactone derived from carbohydrates. *Green Chemistry*, **2016**, 18, 1218-1223	10	22
34	Dehydration of Carbohydrates to 5-Hydroxymethylfurfural over Lignosulfonate-Based Acidic Resin. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 5645-5652	8.3	21
33	Synthesis of gasoline and jet fuel range cycloalkanes and aromatics from poly(ethylene terephthalate) waste. *Green Chemistry*, **2019**, 21, 2709-2719	10	20
32	Catalytic decomposition of propellant N2O Over Ir/Al2O3 catalyst. *AICHE Journal*, **2016**, 62, 3973-3981	3.6	20
31	Rhodium Supported on Silica-Stabilized Alumina for Catalytic Decomposition of N2O. *Catalysis Letters*, **2011**, 141, 128-135	2.8	19
30	Synthesis of high-density aviation fuels with methyl benzaldehyde and cyclohexanone. *Green Chemistry*, **2018**, 20, 3753-3760	10	18

29	Sustainable production of pyromellitic acid with pinacol and diethyl maleate. *Green Chemistry*, **2017**, 19, 1663-1667	10	16
28	Synthesis of 1,4-Cyclohexanedimethanol, 1,4-Cyclohexanedicarboxylic Acid and 1,2-Cyclohexanedicarboxylates from Formaldehyde, Crotonaldehyde and Acrylate/Fumarate. *Angewandte Chemie - International Edition*, **2018**, 57, 6901-6905	16.4	16
27	Synthesis of bio-based methylcyclopentadiene via direct hydrodeoxygenation of 3-methylcyclopent-2-enone derived from cellulose. *Nature Communications*, **2021**, 12, 46	17.4	15
26	Sustainable Production of o-Xylene from Biomass-Derived Pinacol and Acrolein. *ChemSusChem*, **2017**, 10, 2880-2885	8.3	14
25	A palladium single-atom catalyst toward efficient activation of molecular oxygen for cinnamyl alcohol oxidation. *Chinese Journal of Catalysis*, **2020**, 41, 1812-1817	11.3	13
24	Solid Acid-Catalyzed Dehydration of Pinacol Derivatives in Ionic Liquid: Simple and Efficient Access to Branched 1,3-Dienes. *ACS Catalysis*, **2017**, 7, 2576-2582	13.1	11
23	Direct Synthesis of Renewable Dodecanol and Dodecane with Methyl Isobutyl Ketone over Dual-Bed Catalyst Systems. *ChemSusChem*, **2017**, 10, 825-829	8.3	11
22	Synthesis of Decaline-Type Thermal-Stable Jet Fuel Additives with Cycloketones. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 17354-17361	8.3	11
21	One-Pot Catalytic Transformation of Dicyclopentadiene to High Energy Density Fuel Exo-tetrahydrotricyclopentadiene. *Topics in Catalysis*, **2015**, 58, 350-358	2.3	11
20	High-Loading Single-Atom Copper Catalyst Supported on Coordinatively Unsaturated Al O for Selective Synthesis of Homoallylboronates. *ChemSusChem*, **2020**, 13, 3115-3121	8.3	11
19	Making JP-10 Superfuel Affordable with a Lignocellulosic Platform Compound. *Angewandte Chemie*, **2019**, 131, 12282-12286	3.6	11
18	Synthesis of jet fuel rang cycloalkane from isophorone with glycerol as a renewable hydrogen source. *Catalysis Today*, **2017**, 298, 16-20	5.3	11
17	Synthesis of jet fuel additive with cyclopentanone. *Journal of Energy Chemistry*, **2019**, 29, 23-30	12	11
16	Fluoride-modified ZSM-5 for endothermic catalytic cracking of n-decane. *Microporous and Mesoporous Materials*, **2019**, 288, 109616	5.3	10
15	Direct Synthesis of Methylcyclopentadiene with 2,5-Hexanedione over Zinc Molybdates. *ACS Catalysis*, **2021**, 11, 4810-4820	13.1	9
14	Production of 1,2-Cyclohexanedicarboxylates from Diacetone Alcohol and Fumarates. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 2980-2988	8.3	8
13	Sustainable Production of Safe Plasticizers with Bio-Based Fumarates and 1,3-Dienes. *Industrial & Engineering Chemistry Research*, **2020**, 59, 7367-7374	3.9	7
12	Direct synthesis of a high-density aviation fuel using a polycarbonate. *Green Chemistry*, **2021**, 23, 912-919	10	7

List of Publications

11	Synthesis of jet fuel range high-density dicycloalkanes with methyl benzaldehyde and acetone. *Sustainable Energy and Fuels*, **2020**, 4, 5560-5567	5.8	6
10	Selective Production of Renewable para-Xylene by Tungsten Carbide Catalyzed Atom-Economic Cascade Reactions. *Angewandte Chemie*, **2018**, 130, 1826-1830	3.6	3
9	Direct synthesis of a jet fuel range dicycloalkane by the aqueous phase hydrodeoxygenation of polycarbonate. *Green Chemistry*, **2021**, 23, 3693-3699	10	3
8	Synthesis of 1,4-Cyclohexanedimethanol, 1,4-Cyclohexanedicarboxylic Acid and 1,2-Cyclohexanedicarboxylates from Formaldehyde, Crotonaldehyde and Acrylate/Fumarate. *Angewandte Chemie*, **2018**, 130, 7017-7021	3.6	2
7	Styrene hydrogenation over Ni□a/Al2O3 catalysts: The impact of added La on active metal dispersion. *Chemical Physics Letters*, **2021**, 775, 138604	2.5	2
6	Synthesis of Silicalite-1 Membranes on the Surface of Stainless Steel. *Advanced Materials Research*, **2011**, 233-235, 1524-1528	0.5	1
5	Synthesis of jet fuel and diesel range cycloalkanes with 2-methylfuran and benzaldehyde. *Sustainable Energy and Fuels*,	5.8	1
4	Synthesis of renewable aviation fuel additives with aromatic aldehydes and methyl isobutyl ketone under solvent-free conditions. *Sustainable Energy and Fuels*, **2021**, 5, 556-563	5.8	1
3	Synthesis of jet fuel range high-density polycycloalkanes with vanillin and cyclohexanone. *Sustainable Energy and Fuels*, **2022**, 6, 1616-1624	5.8	1
2	Production of Copolyester Monomers from Plant-Based Acrylate and Acetaldehyde. *Angewandte Chemie*,	3.6	
1	Synthesis of renewable alkylated naphthalenes with benzaldehyde and angelica lactone. *Green Chemistry*, **2021**, 23, 5474-5480	10	