

# Yu Cong

## List of Publications by Year in Descending Order

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**Version:** 2024-04-25

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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.

64  
papers

2,030  
citations

27  
h-index

44  
g-index

70  
ext. papers

2,388  
ext. citations

8.7  
avg, IF

4.77  
L-index

#	Paper	IF	Citations
64	Synthesis of jet fuel range high-density polycycloalkanes with vanillin and cyclohexanone. <i>Sustainable Energy and Fuels</i> , <b>2022</b> , 6, 1616-1624	5.8	1
63	Direct Synthesis of Methylcyclopentadiene with 2,5-Hexanedione over Zinc Molybdates. <i>ACS Catalysis</i> , <b>2021</b> , 11, 4810-4820	13.1	9
62	Synthesis of renewable aviation fuel additives with aromatic aldehydes and methyl isobutyl ketone under solvent-free conditions. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 556-563	5.8	1
61	Synthesis of bio-based methylcyclopentadiene via direct hydrodeoxygenation of 3-methylcyclopent-2-enone derived from cellulose. <i>Nature Communications</i> , <b>2021</b> , 12, 46	17.4	15
60	Synthesis of renewable alkylated naphthalenes with benzaldehyde and angelica lactone. <i>Green Chemistry</i> , <b>2021</b> , 23, 5474-5480	10	
59	Styrene hydrogenation over NiIIa/Al <sub>2</sub> O <sub>3</sub> catalysts: The impact of added La on active metal dispersion. <i>Chemical Physics Letters</i> , <b>2021</b> , 775, 138604	2.5	2
58	Direct synthesis of a jet fuel range dicycloalkane by the aqueous phase hydrodeoxygenation of polycarbonate. <i>Green Chemistry</i> , <b>2021</b> , 23, 3693-3699	10	3
57	Direct synthesis of a high-density aviation fuel using a polycarbonate. <i>Green Chemistry</i> , <b>2021</b> , 23, 912-919	10	7
56	A palladium single-atom catalyst toward efficient activation of molecular oxygen for cinnamyl alcohol oxidation. <i>Chinese Journal of Catalysis</i> , <b>2020</b> , 41, 1812-1817	11.3	13
55	Sustainable Production of Safe Plasticizers with Bio-Based Fumarates and 1,3-Dienes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 7367-7374	3.9	7
54	High-Loading Single-Atom Copper Catalyst Supported on Coordinatively Unsaturated Al O for Selective Synthesis of Homoallylboronates. <i>ChemSusChem</i> , <b>2020</b> , 13, 3115-3121	8.3	11
53	Synthesis of jet fuel range high-density dicycloalkanes with methyl benzaldehyde and acetone. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 5560-5567	5.8	6
52	Synthesis of Decaline-Type Thermal-Stable Jet Fuel Additives with Cycloketones. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 17354-17361	8.3	11
51	Making JP-10 Superfuel Affordable with a Lignocellulosic Platform Compound. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12154-12158	16.4	45
50	Synthesis of gasoline and jet fuel range cycloalkanes and aromatics from poly(ethylene terephthalate) waste. <i>Green Chemistry</i> , <b>2019</b> , 21, 2709-2719	10	20
49	Integrated Conversion of Cellulose to High-Density Aviation Fuel. <i>Joule</i> , <b>2019</b> , 3, 1028-1036	27.8	67
48	Fluoride-modified ZSM-5 for endothermic catalytic cracking of n-decane. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 288, 109616	5.3	10

47	Making JP-10 Superfuel Affordable with a Lignocellulosic Platform Compound. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 12282-12286	3.6	11
46	Production of 1,2-Cyclohexanedicarboxylates from Diacetone Alcohol and Fumarates. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 2980-2988	8.3	8
45	Synthesis of jet fuel additive with cyclopentanone. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 29, 23-30	12	11
44	Dehydration of Carbohydrates to 5-Hydroxymethylfurfural over Lignosulfonate-Based Acidic Resin. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 5645-5652	8.3	21
43	Synthesis of 1,4-Cyclohexanedimethanol, 1,4-Cyclohexanedicarboxylic Acid and 1,2-Cyclohexanedicarboxylates from Formaldehyde, Crotonaldehyde and Acrylate/Fumarate. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 7017-7021	3.6	2
42	Synthesis of 1,4-Cyclohexanedimethanol, 1,4-Cyclohexanedicarboxylic Acid and 1,2-Cyclohexanedicarboxylates from Formaldehyde, Crotonaldehyde and Acrylate/Fumarate. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6901-6905	16.4	16
41	Selective Production of Renewable para-Xylene by Tungsten Carbide Catalyzed Atom-Economic Cascade Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1808-1812	16.4	27
40	Selective Production of Renewable para-Xylene by Tungsten Carbide Catalyzed Atom-Economic Cascade Reactions. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1826-1830	3.6	3
39	Synthesis of Renewable C <sub>8</sub> -C <sub>10</sub> Alkanes with Angelica Lactone and Furfural from Carbohydrates. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 6126-6134	8.3	22
38	Synthesis of high-density aviation fuels with methyl benzaldehyde and cyclohexanone. <i>Green Chemistry</i> , <b>2018</b> , 20, 3753-3760	10	18
37	Synthesis of Renewable High-Density Fuel with Cyclopentanone Derived from Hemicellulose. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 1812-1817	8.3	45
36	Sustainable production of pyromellitic acid with pinacol and diethyl maleate. <i>Green Chemistry</i> , <b>2017</b> , 19, 1663-1667	10	16
35	Solid Acid-Catalyzed Dehydration of Pinacol Derivatives in Ionic Liquid: Simple and Efficient Access to Branched 1,3-Dienes. <i>ACS Catalysis</i> , <b>2017</b> , 7, 2576-2582	13.1	11
34	Sustainable Production of o-Xylene from Biomass-Derived Pinacol and Acrolein. <i>ChemSusChem</i> , <b>2017</b> , 10, 2880-2885	8.3	14
33	Highly efficient synthesis of 5-hydroxymethylfurfural with carbohydrates over renewable cyclopentanone-based acidic resin. <i>Green Chemistry</i> , <b>2017</b> , 19, 1855-1860	10	30
32	Direct Synthesis of Renewable Dodecanol and Dodecane with Methyl Isobutyl Ketone over Dual-Bed Catalyst Systems. <i>ChemSusChem</i> , <b>2017</b> , 10, 825-829	8.3	11
31	Synthesis of Renewable Triketones, Diketones, and Jet-Fuel Range Cycloalkanes with 5-Hydroxymethylfurfural and Ketones. <i>ChemSusChem</i> , <b>2017</b> , 10, 711-719	8.3	32
30	Synthesis of Diesel and Jet Fuel Range Alkanes with Furfural and Angelica Lactone. <i>ACS Catalysis</i> , <b>2017</b> , 7, 5880-5886	13.1	68

29	Coordinatively Unsaturated Al <sup>3+</sup> Sites Anchored Subnanometric Ruthenium Catalyst for Hydrogenation of Aromatics. <i>ACS Catalysis</i> , <b>2017</b> , 7, 5987-5991	13.1	54
28	Synthesis of jet fuel range cycloalkane from isophorone with glycerol as a renewable hydrogen source. <i>Catalysis Today</i> , <b>2017</b> , 298, 16-20	5.3	11
27	Hydrodeoxygenation of furans over Pd-FeO <sub>x</sub> /SiO <sub>2</sub> catalyst under atmospheric pressure. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 201, 266-277	21.8	69
26	Synthesis of renewable diesel with 2-methylfuran and angelica lactone derived from carbohydrates. <i>Green Chemistry</i> , <b>2016</b> , 18, 1218-1223	10	22
25	Industrially scalable and cost-effective synthesis of 1,3-cyclopentanediol with furfuryl alcohol from lignocellulose. <i>Green Chemistry</i> , <b>2016</b> , 18, 3607-3613	10	31
24	Dual-bed catalyst system for the direct synthesis of high density aviation fuel with cyclopentanone from lignocellulose. <i>AIChE Journal</i> , <b>2016</b> , 62, 2754-2761	3.6	33
23	Catalytic decomposition of propellant N <sub>2</sub> O Over Ir/Al <sub>2</sub> O <sub>3</sub> catalyst. <i>AIChE Journal</i> , <b>2016</b> , 62, 3973-3981	3.6	20
22	Direct synthesis of gasoline and diesel range branched alkanes with acetone from lignocellulose. <i>Green Chemistry</i> , <b>2016</b> , 18, 3707-3711	10	28
21	Synthesis of High-Density Aviation Fuel with Cyclopentanol. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 6160-6166	8.3	38
20	Synthesis of jet fuel range cycloalkanes with diacetone alcohol from lignocellulose. <i>Green Chemistry</i> , <b>2016</b> , 18, 5751-5755	10	28
19	Catalytic conversion of isophorone to jet-fuel range aromatic hydrocarbons over a MoO <sub>x</sub> /SiO <sub>2</sub> catalyst. <i>Chemical Communications</i> , <b>2015</b> , 51, 11876-9	5.8	22
18	Lignosulfonate-based acidic resin for the synthesis of renewable diesel and jet fuel range alkanes with 2-methylfuran and furfural. <i>Green Chemistry</i> , <b>2015</b> , 17, 3644-3652	10	58
17	One-Pot Catalytic Transformation of Dicyclopentadiene to High Energy Density Fuel Exo-tetrahydrotricyclopentadiene. <i>Topics in Catalysis</i> , <b>2015</b> , 58, 350-358	2.3	11
16	Synthesis of high density aviation fuel with cyclopentanol derived from lignocellulose. <i>Scientific Reports</i> , <b>2015</b> , 5, 9565	4.9	52
15	Synthesis of Jet-Fuel Range Cycloalkanes from the Mixtures of Cyclopentanone and Butanal. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 11825-11837	3.9	48
14	Protonated titanate nanotubes as a highly active catalyst for the synthesis of renewable diesel and jet fuel range alkanes. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 170-171, 124-134	21.8	42
13	Aqueous phase hydrogenation of levulinic acid to 1,4-pentanediol. <i>Chemical Communications</i> , <b>2014</b> , 50, 1414-6	5.8	109
12	Synthesis of renewable diesel range alkanes by hydrodeoxygenation of furans over Ni/H <sub>2</sub> under mild conditions. <i>Green Chemistry</i> , <b>2014</b> , 16, 594-599	10	67

11	Synthesis of renewable high-density fuels using cyclopentanone derived from lignocellulose. <i>Chemical Communications</i> , <b>2014</b> , 50, 2572-4	5.8	121
10	Synthesis of Diesel or Jet Fuel Range Cycloalkanes with 2-Methylfuran and Cyclopentanone from Lignocellulose. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 5112-5118	4.1	83
9	Production of Renewable Jet Fuel Range Branched Alkanes with Xylose and Methyl Isobutyl Ketone. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 13618-13625	3.9	32
8	Synthesis of diesel and jet fuel range alkanes with furfural and ketones from lignocellulose under solvent free conditions. <i>Green Chemistry</i> , <b>2014</b> , 16, 4879-4884	10	89
7	Synthesis of renewable diesel with hydroxyacetone and 2-methyl-furan. <i>Chemical Communications</i> , <b>2013</b> , 49, 5727-9	5.8	102
6	Solvent-free synthesis of C10 and C11 branched alkanes from furfural and methyl isobutyl ketone. <i>ChemSusChem</i> , <b>2013</b> , 6, 1149-52	8.3	91
5	Synthesis of high-quality diesel with furfural and 2-methylfuran from hemicellulose. <i>ChemSusChem</i> , <b>2012</b> , 5, 1958-66	8.3	152
4	Rhodium Supported on Silica-Stabilized Alumina for Catalytic Decomposition of N <sub>2</sub> O. <i>Catalysis Letters</i> , <b>2011</b> , 141, 128-135	2.8	19
3	Synthesis of Silicalite-1 Membranes on the Surface of Stainless Steel. <i>Advanced Materials Research</i> , <b>2011</b> , 233-235, 1524-1528	0.5	1
2	Synthesis of jet fuel and diesel range cycloalkanes with 2-methylfuran and benzaldehyde. <i>Sustainable Energy and Fuels</i> ,	5.8	1
1	Production of Copolyester Monomers from Plant-Based Acrylate and Acetaldehyde. <i>Angewandte Chemie</i> ,	3.6	