Guangyi Li

List of Publications by Year in Descending Order

56 papers	1,828 citations	25 h-index	42 g-index
62 ext. papers	2,141 ext. citations	8.8 avg, IF	4.68 L-index

#	Paper	IF	Citations
56	Synthesis of jet fuel range high-density polycycloalkanes with vanillin and cyclohexanone. *Sustainable Energy and Fuels*, **2022**, 6, 1616-1624	5.8	1
55	Direct Synthesis of Methylcyclopentadiene with 2,5-Hexanedione over Zinc Molybdates. *ACS Catalysis*, **2021**, 11, 4810-4820	13.1	9
54	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
53	Synthesis of bio-based methylcyclopentadiene via direct hydrodeoxygenation of 3-methylcyclopent-2-enone derived from cellulose. *Nature Communications*, **2021**, 12, 46	17.4	15
52	Synthesis of renewable alkylated naphthalenes with benzaldehyde and angelica lactone. *Green Chemistry*, **2021**, 23, 5474-5480	10	
51	Direct synthesis of a jet fuel range dicycloalkane by the aqueous phase hydrodeoxygenation of polycarbonate. *Green Chemistry*, **2021**, 23, 3693-3699	10	3
50	Direct synthesis of a high-density aviation fuel using a polycarbonate. *Green Chemistry*, **2021**, 23, 912-919	10	7
49	Sustainable Production of Safe Plasticizers with Bio-Based Fumarates and 1,3-Dienes. *Industrial & Engineering Chemistry Research*, **2020**, 59, 7367-7374	3.9	7
48	Synthesis of jet fuel range high-density dicycloalkanes with methyl benzaldehyde and acetone. *Sustainable Energy and Fuels*, **2020**, 4, 5560-5567	5.8	6
47	Synthesis of Diesel and Jet Fuel Range Cycloalkanes with Cyclopentanone and Furfural. *Catalysts*, **2019**, 9, 886	4	7
46	Synthesis of Decaline-Type Thermal-Stable Jet Fuel Additives with Cycloketones. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 17354-17361	8.3	11
45	Synthesis of jet fuel range high-density polycycloalkanes with polycarbonate waste. *Green Chemistry*, **2019**, 21, 3789-3795	10	16
44	Making JP-10 Superfuel Affordable with a Lignocellulosic Platform Compound. *Angewandte Chemie - International Edition*, **2019**, 58, 12154-12158	16.4	45
43	Synthesis of gasoline and jet fuel range cycloalkanes and aromatics from poly(ethylene terephthalate) waste. *Green Chemistry*, **2019**, 21, 2709-2719	10	20
42	Integrated Conversion of Cellulose to High-Density Aviation Fuel. *Joule*, **2019**, 3, 1028-1036	27.8	67
41	Making JP-10 Superfuel Affordable with a Lignocellulosic Platform Compound. *Angewandte Chemie* , **2019**, 131, 12282-12286	3.6	11
40	Production of 1,2-Cyclohexanedicarboxylates from Diacetone Alcohol and Fumarates. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 2980-2988	8.3	8

39	Synthesis of jet fuel additive with cyclopentanone. *Journal of Energy Chemistry*, **2019**, 29, 23-30	12	11
38	Dehydration of Carbohydrates to 5-Hydroxymethylfurfural over Lignosulfonate-Based Acidic Resin. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 5645-5652	8.3	21
37	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
36	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
35	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
34	Efficient Production of N-Butyl Levulinate Fuel Additive from Levulinic Acid Using Amorphous Carbon Enriched with Oxygenated Groups. *Catalysts*, **2018**, 8, 14	4	29
33	Synthesis of high-density aviation fuels with methyl benzaldehyde and cyclohexanone. *Green Chemistry*, **2018**, 20, 3753-3760	10	18
32	Synthesis of Renewable High-Density Fuel with Cyclopentanone Derived from Hemicellulose. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 1812-1817	8.3	45
31	Sustainable production of pyromellitic acid with pinacol and diethyl maleate. *Green Chemistry*, **2017**, 19, 1663-1667	10	16
30	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
29	Sustainable Production of o-Xylene from Biomass-Derived Pinacol and Acrolein. *ChemSusChem*, **2017**, 10, 2880-2885	8.3	14
28	Highly efficient synthesis of 5-hydroxymethylfurfural with carbohydrates over renewable cyclopentanone-based acidic resin. *Green Chemistry*, **2017**, 19, 1855-1860	10	30
27	Direct Synthesis of Renewable Dodecanol and Dodecane with Methyl Isobutyl Ketone over Dual-Bed Catalyst Systems. *ChemSusChem*, **2017**, 10, 825-829	8.3	11
26	Activated Carbon and Ordered Mesoporous Carbon-Based Catalysts for Biomass Conversion **2017**, 17-54		2
25	Synthesis of Diesel and Jet Fuel Range Alkanes with Furfural and Angelica Lactone. *ACS Catalysis*, **2017**, 7, 5880-5886	13.1	68
24	Synthesis of renewable high-density fuel with isophorone. *Scientific Reports*, **2017**, 7, 6111	4.9	17
23	Synthesis of jet fuel rang cycloalkane from isophorone with glycerol as a renewable hydrogen source. *Catalysis Today*, **2017**, 298, 16-20	5.3	11
22	Synthesis of renewable diesel with 2-methylfuran and angelica lactone derived from carbohydrates. *Green Chemistry*, **2016**, 18, 1218-1223	10	22

21	Industrially scalable and cost-effective synthesis of 1,3-cyclopentanediol with furfuryl alcohol from lignocellulose. *Green Chemistry*, **2016**, 18, 3607-3613	10	31
20	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
19	Direct synthesis of gasoline and diesel range branched alkanes with acetone from lignocellulose. *Green Chemistry*, **2016**, 18, 3707-3711	10	28
18	Synthesis of High-Density Aviation Fuel with Cyclopentanol. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 6160-6166	8.3	38
17	Synthesis of jet fuel range cycloalkanes with diacetone alcohol from lignocellulose. *Green Chemistry* , **2016**, 18, 5751-5755	10	28
16	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
15	Synthesis of high density aviation fuel with cyclopentanol derived from lignocellulose. *Scientific Reports*, **2015**, 5, 9565	4.9	52
14	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
13	Synthesis of diesel range alkanes with 2-methylfuran and mesityl oxide from lignocellulose. *Catalysis Today*, **2014**, 234, 91-99	5.3	35
12	Aqueous phase hydrogenation of levulinic acid to 1,4-pentanediol. *Chemical Communications*, **2014**, 50, 1414-6	5.8	109
11	Synthesis of renewable diesel range alkanes by hydrodeoxygenation of furans over Ni/H□under mild conditions. *Green Chemistry*, **2014**, 16, 594-599	10	67
10	Synthesis of renewable high-density fuels using cyclopentanone derived from lignocellulose. *Chemical Communications*, **2014**, 50, 2572-4	5.8	121
9	Synthesis of Diesel or Jet Fuel Range Cycloalkanes with 2-Methylfuran and Cyclopentanone from Lignocellulose. *Energy & Fuels*, **2014**, 28, 5112-5118	4.1	83
8	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
7	Aqueous phase hydrogenation of acetic acid to ethanol over Ir-MoOx/SiO2 catalyst. *Catalysis Communications*, **2014**, 43, 38-41	3.2	47
6	Synthesis of renewable diesel with the 2-methylfuran, butanal and acetone derived from lignocellulose. *Bioresource Technology*, **2013**, 134, 66-72	11	76
5	Synthesis of renewable diesel with hydroxyacetone and 2-methyl-furan. *Chemical Communications*, **2013**, 49, 5727-9	5.8	102
4	Solvent-free synthesis of C10 and C11 branched alkanes from furfural and methyl isobutyl ketone. *ChemSusChem*, **2013**, 6, 1149-52	8.3	91

3	Synthesis of high-quality diesel with furfural and 2-methylfuran from hemicellulose. *ChemSusChem*, **2012**, 5, 1958-66	8.3	152
2	Synthesis of jet fuel and diesel range cycloalkanes with 2-methylfuran and benzaldehyde. *Sustainable Energy and Fuels*,	5.8	1
1	Production of Copolyester Monomers from Plant-Based Acrylate and Acetaldehyde. *Angewandte Chemie*,	3.6	