

# Zheng Li

## List of Publications by Year in descending order

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33  
papers

1,399  
citations

430874

18  
h-index

361022

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1596  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneously-catalyzed aerobic oxidation of furfural to furancarboxylic acid with CuO-Promoted MnO <sub>2</sub> . <i>Green Energy and Environment</i> , 2023, 8, 1683-1692.	8.7	1
2	Stretchable, freezing-tolerant conductive hydrogel for wearable electronics reinforced by cellulose nanocrystals toward multiple hydrogen bonding. <i>Carbohydrate Polymers</i> , 2022, 280, 119018.	10.2	47
3	Insight into the catalytic mechanism of core-shell structured Ni/Ni-N/CN catalyst towards the oxidation of furfural to furancarboxylic acid. <i>Fuel</i> , 2022, 317, 123579.	6.4	11
4	Boosting the Acid Sites and Lattice Oxygen Activity of the Fe-Cu Catalyst for One-Pot Producing 2,5-Diformylfuran from Fructose. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 421-430.	6.7	15
5	Removal of copper ions by cellulose nanocrystal-based hydrogel and reduced adsorbents for its catalytic properties. <i>Cellulose</i> , 2022, 29, 4525-4537.	4.9	10
6	Facile One-Pot Synthesis of Furan Double Schiff Base from 5-Hydroxymethylfurfural via an Amination-Oxidation-Amination Strategy in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6835-6842.	6.7	5
7	Green Process for 5-(Chloromethyl)furfural Production from Biomass in Three-Constituent Deep Eutectic Solvent. <i>ChemSusChem</i> , 2021, 14, 847-851.	6.8	14
8	Depolymerization and Demethylation of Kraft Lignin in Molten Salt Hydrate and Applications as an Antioxidant and Metal Ion Scavenger. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 13568-13577.	5.2	20
9	Cleavage of ethers and demethylation of lignin in acidic concentrated lithium bromide (ACLB) solution. <i>Green Chemistry</i> , 2020, 22, 7989-8001.	9.0	43
10	Direct conversion of biomass derived <i>D</i> -xylofuranose to 5-methylfurfural in water in high yield. <i>Green Chemistry</i> , 2020, 22, 5984-5988.	9.0	22
11	Butenolide Derivatives of Biobased Furans: Sustainable Synthetic Dyes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17293-17296.	13.8	15
12	Butenolide Derivatives of Biobased Furans: Sustainable Synthetic Dyes. <i>Angewandte Chemie</i> , 2019, 131, 17453-17456.	2.0	5
13	An effective pathway for converting carbohydrates to biofuel 5-ethoxymethylfurfural via 5-hydroxymethylfurfural with deep eutectic solvents (DESs). <i>Industrial Crops and Products</i> , 2018, 112, 18-23.	5.2	69
14	Production of cellulosic gasoline <i>via</i> levulinic ester self-condensation. <i>Green Chemistry</i> , 2018, 20, 3804-3808.	9.0	16
15	Green process for production of 5-hydroxymethylfurfural from carbohydrates with high purity in deep eutectic solvents. <i>Industrial Crops and Products</i> , 2017, 99, 1-6.	5.2	109
16	Chemical Structure Change of Magnesium Oxide in the Wet Oxidation Delignification Process of Biomass with Solid Alkali. <i>ChemCatChem</i> , 2017, 9, 2544-2549.	3.7	16
17	Green Processing of Lignocellulosic Biomass and Its Derivatives in Deep Eutectic Solvents. <i>ChemSusChem</i> , 2017, 10, 2696-2706.	6.8	269
18	New bio-based monomers: tuneable polyester properties using branched diols from biomass. <i>Faraday Discussions</i> , 2017, 202, 61-77.	3.2	44

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19	Green Processing of Lignocellulosic Biomass and Its Derivatives in Deep Eutectic Solvents. <i>ChemSusChem</i> , 2017, 10, 2695-2695.	6.8	15
20	Phosphate limitation promotes unsaturated fatty acids and arachidonic acid biosynthesis by microalgae <i>Porphyridium purpureum</i> . <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1129-1136.	3.4	36
21	Stable and efficient CuCr catalyst for the solvent-free hydrogenation of biomass derived ethyl levulinate to $\gamma$ -valerolactone as potential biofuel candidate. <i>Fuel</i> , 2016, 175, 232-239.	6.4	33
22	Tandem thionation of biomass derived levulinic acid with Lawesson's reagent. <i>Green Chemistry</i> , 2016, 18, 2971-2975.	9.0	14
23	Enhancing total fatty acids and arachidonic acid production by the red microalgae <i>Porphyridium purpureum</i> . <i>Bioresources and Bioprocessing</i> , 2016, 3, .	4.2	39
24	One-pot conversion of biomass-derived carbohydrates into 5-[(formyloxy)methyl]furfural: A novel alternative platform chemical. <i>Industrial Crops and Products</i> , 2016, 83, 408-413.	5.2	29
25	Green catalytic conversion of bio-based sugars to 5-chloromethyl furfural in deep eutectic solvent, catalyzed by metal chlorides. <i>RSC Advances</i> , 2016, 6, 27004-27007.	3.6	42
26	Light intensity and N/P nutrient affect the accumulation of lipid and unsaturated fatty acids by <i>Chlorella</i> sp.. <i>Bioresource Technology</i> , 2015, 191, 385-390.	9.6	21
27	Methyl 4-methoxypentanoate: a novel and potential downstream chemical of biomass derived gamma-valerolactone. <i>RSC Advances</i> , 2015, 5, 8297-8300.	3.6	5
28	Depolymerization of Cellulolytic Enzyme Lignin for the Production of Monomeric Phenols over Raney Ni and Acidic Zeolite Catalysts. <i>Energy &amp; Fuels</i> , 2015, 29, 1662-1668.	5.1	61
29	In-Situ Catalytic Hydrogenation of Biomass-Derived Methyl Levulinate to $\gamma$ -Valerolactone in Methanol. <i>ChemSusChem</i> , 2015, 8, 1601-1607.	6.8	56
30	In-Situ Generated Catalyst System to Convert Biomass-Derived Levulinic Acid to $\gamma$ -Valerolactone. <i>ChemCatChem</i> , 2015, 7, 1372-1379.	3.7	62
31	Atom-economical synthesis of $\gamma$ -valerolactone with self-supplied hydrogen from methanol. <i>Chemical Communications</i> , 2015, 51, 16320-16323.	4.1	13
32	Production of $\gamma$ -valerolactone from lignocellulosic biomass for sustainable fuels and chemicals supply. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 40, 608-620.	16.4	232
33	In-Situ-Prepared Nanocopper-Catalyzed Hydrogenation-Liquefaction of Biomass in a Glycerol-Methanol Solvent for Biofuel Production. <i>Energy &amp; Fuels</i> , 2014, 28, 4273-4281.	5.1	7