

C Luke Williams

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3322192/publications.pdf>

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17
papers

1,402
citations

623188

14
h-index

839053

18
g-index

18
all docs

18
docs citations

18
times ranked

1675
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing Variability in Lignocellulosic Biomass: A Review. ACS Sustainable Chemistry and Engineering, 2020, 8, 8059-8085.	3.2	55
2	Multiscale Characterization of Lignocellulosic Biomass Variability and Its Implications to Preprocessing and Conversion: a Case Study for Corn Stover. ACS Sustainable Chemistry and Engineering, 2020, 8, 3218-3230.	3.2	28
3	Characterization and Localization of Dynamic Cell Wall Structure and Inorganic Species Variability in Harvested and Stored Corn Stover Fractions as Functions of Biological Degradation. ACS Sustainable Chemistry and Engineering, 2020, 8, 6924-6934.	3.2	11
4	Five Rules for Measuring Biomass Pyrolysis Rates: Pulse-Heated Analysis of Solid Reaction Kinetics of Lignocellulosic Biomass. ACS Sustainable Chemistry and Engineering, 2018, 6, 1387-1399.	3.2	48
5	Three Way Comparison of Hydrophilic Ionic Liquid, Hydrophobic Ionic Liquid, and Dilute Acid for the Pretreatment of Herbaceous and Woody Biomass. Frontiers in Energy Research, 2018, 6, .	1.2	15
6	Improving bioenergy feedstock quality of high moisture short rotation woody crops using air classification. Biomass and Bioenergy, 2018, 117, 56-62.	2.9	12
7	Determining Thermal Transport Properties for Softwoods Under Pyrolysis Conditions. ACS Sustainable Chemistry and Engineering, 2017, 5, 1019-1025.	3.2	13
8	Feeding properties and behavior of hammer- and knife-milled pine. Powder Technology, 2017, 320, 191-201.	2.1	24
9	Sources of Biomass Feedstock Variability and the Potential Impact on Biofuels Production. Bioenergy Research, 2016, 9, 1-14.	2.2	229
10	Inhibition of Xylene Isomerization in the Production of Renewable Aromatic Chemicals from Biomass-Derived Furans. ACS Catalysis, 2016, 6, 2076-2088.	5.5	25
11	Kinetic regimes in the tandem reactions of H-BEA catalyzed formation of p-xylene from dimethylfuran. Catalysis Science and Technology, 2016, 6, 178-187.	2.1	39
12	Diels-Alder cycloaddition of 2-methylfuran and ethylene for renewable toluene. Applied Catalysis B: Environmental, 2016, 180, 487-496.	10.8	102
13	Fast Pyrolysis of Wood for Biofuels: Spatiotemporally Resolved Diffuse Reflectance In-situ Spectroscopy of Particles. ChemSusChem, 2014, 7, 765-776.	3.6	35
14	Aqueous-phase hydrodeoxygenation of highly oxygenated aromatics on platinum. Green Chemistry, 2014, 16, 675-682.	4.6	31
15	Ultra-selective cycloaddition of dimethylfuran for renewable p-xylene with H-BEA. Green Chemistry, 2014, 16, 585-588.	4.6	220
16	Cycloaddition of Biomass-Derived Furans for Catalytic Production of Renewable p-Xylene. ACS Catalysis, 2012, 2, 935-939.	5.5	400
17	Aerosol generation by reactive boiling ejection of molten cellulose. Energy and Environmental Science, 2011, 4, 4306.	15.6	114