Dennis Jung

List of Publications by Citations

14 papers	273 citations	9 h-index	14 g-index
14 ext. papers	389 ext. citations	4.3 avg, IF	4.14 L-index

#	Paper	IF	Citations
14	The effect of different Brønsted acids on the hydrothermal conversion of fructose to HMF. *Green Chemistry*, **2018**, 20, 2231-2241	10	54
13	Hydrothermal Carbonization of Fructose: Growth Mechanism and Kinetic Model. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 13877-13887	8.3	50
12	Hydrothermal carbonization of biogas digestate: Effect of digestate origin and process conditions. *Waste Management*, **2019**, 100, 138-150	8.6	36
11	Structural Effects of Cellulose on Hydrolysis and Carbonization Behavior during Hydrothermal Treatment. *ACS Omega*, **2020**, 5, 12210-12223	3.9	21
10	Kinetic study on the impact of acidity and acid concentration on the formation of 5-hydroxymethylfurfural (HMF), humins, and levulinic acid in the hydrothermal conversion of fructose. *Biomass Conversion and Biorefinery*, **2019**, 11, 1155	2.3	18
9	Conductive Carbon Materials from the Hydrothermal Carbonization of Vineyard Residues for the Application in Electrochemical Double-Layer Capacitors (EDLCs) and Direct Carbon Fuel Cells (DCFCs). *Materials*, **2019**, 12,	3.5	18
8	Evaluation of Arrhenius-type overall kinetic equations for hydrothermal carbonization. *Journal of Analytical and Applied Pyrolysis*, **2017**, 127, 286-291	6	18
7	Understanding the influence of biomass particle size and reaction medium on the formation pathways of hydrochar. *Biomass Conversion and Biorefinery*, **2020**, 10, 1357-1380	2.3	16
6	Influence of the pH Value on the Hydrothermal Degradation of Fructose. *ChemistryOpen*, **2019**, 8, 1109-1120	2.3	15
5	Calculating the Reaction Order and Activation Energy for the Hydrothermal Carbonization of Fructose. *Chemie-Ingenieur-Technik*, **2020**, 92, 692-700	0.8	7
4	Bio-Based Carbon Materials from Potato Waste as Electrode Materials in Supercapacitors. *Energies*, **2020**, 13, 2406	3.1	7
3	Metal oxide-doped activated carbons from bakery waste and coffee grounds for application in supercapacitors. *Materials Science for Energy Technologies*, **2021**, 4, 69-80	5.2	6
2	Hydrothermal carbonization of fructose: effect of salts and reactor stirring on the growth and formation of carbon spheres. *Biomass Conversion and Biorefinery*,1	2.3	4
1	Acid-assisted extraction and hydrolysis of inulin from chicory roots to obtain fructose-enriched extracts. *Biomass Conversion and Biorefinery*, **2020**, 1	2.3	3