

Charles J Coronella

List of Publications by Citations

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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.

34
papers

2,343
citations

20
h-index

35
g-index

35
ext. papers

2,622
ext. citations

5.4
avg, IF

5.11
L-index

#	Paper	IF	Citations
34	Thermal pretreatment of lignocellulosic biomass. <i>Environmental Progress and Sustainable Energy</i> , 2009 , 28, 435-440	2.5	326
33	Hydrothermal carbonization: Fate of inorganics. <i>Biomass and Bioenergy</i> , 2013 , 49, 86-94	5.3	298
32	Effect of thermal pretreatment on equilibrium moisture content of lignocellulosic biomass. <i>Bioresource Technology</i> , 2011 , 102, 4849-54	11	178
31	Mass and Energy Balances of Wet Torrefaction of Lignocellulosic Biomass. <i>Energy & Fuels</i> , 2010 , 24, 4738-4742	4.1	176
30	Acetic acid and lithium chloride effects on hydrothermal carbonization of lignocellulosic biomass. <i>Bioresource Technology</i> , 2011 , 102, 6192-9	11	165
29	Hydrothermal carbonization of loblolly pine: reaction chemistry and water balance. <i>Biomass Conversion and Biorefinery</i> , 2014 , 4, 311-321	2.3	142
28	Reaction kinetics of hydrothermal carbonization of loblolly pine. <i>Bioresource Technology</i> , 2013 , 139, 161-91	9.1	142
27	Pelletization of biochar from hydrothermally carbonized wood. <i>Environmental Progress and Sustainable Energy</i> , 2012 , 31, 225-234	2.5	121
26	Engineered pellets from dry torrefied and HTC biochar blends. <i>Biomass and Bioenergy</i> , 2014 , 63, 229-238	5.3	109
25	Effect of hydrothermal carbonization reaction parameters on the properties of hydrochar and pellets. <i>Environmental Progress and Sustainable Energy</i> , 2014 , 33, 676-680	2.5	92
24	Hydrothermal carbonization of various lignocellulosic biomass. <i>Biomass Conversion and Biorefinery</i> , 2015 , 5, 173-181	2.3	80
23	Hydrothermal carbonization (HTC) of cow manure: Carbon and nitrogen distributions in HTC products. <i>Environmental Progress and Sustainable Energy</i> , 2016 , 35, 1002-1011	2.5	75
22	Effect of salt addition on hydrothermal carbonization of lignocellulosic biomass. <i>Fuel</i> , 2012 , 99, 271-273	7.1	70
21	Pretreatment of rice hulls by ionic liquid dissolution. <i>Bioresource Technology</i> , 2012 , 114, 629-36	11	65
20	Hydrothermal Carbonization of Autoclaved Municipal Solid Waste Pulp and Anaerobically Treated Pulp Digestate. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3649-3658	8.3	43
19	Hydrothermal Carbonization (HTC) and Pelletization of Two Arid Land Plants Bagasse for Energy Densification. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1106-1114	8.3	40
18	Wet Air Oxidation of Hydrothermal Carbonization (HTC) Process Liquid. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3250-3254	8.3	30

17	Glycerol as an ionic liquid co-solvent for pretreatment of rice hulls to enhance glucose and xylose yield. <i>Bioresource Technology</i> , 2014 , 166, 471-8	11	23
16	Effects of water recycling in hydrothermal carbonization of loblolly pine. <i>Environmental Progress and Sustainable Energy</i> , 2013 , 33, n/a-n/a	2.5	22
15	Effects of grid size on predictions of bed expansion in bubbling fluidized beds of Geldart B particles: A generalized rule for a grid-independent solution of TFM simulations. <i>Particology</i> , 2017 , 34, 61-69	2.8	20
14	Corn Stover Pretreatment by Ionic Liquid and Glycerol Mixtures with Their Density, Viscosity, and Thermogravimetric Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3786-3793	8.3	19
13	Pyrolysis kinetics of raw/hydrothermally carbonized lignocellulosic biomass. <i>Environmental Progress and Sustainable Energy</i> , 2012 , 31, 200-204	2.5	17
12	Hydrothermal Carbonization of Lignocellulosic Biomass. <i>Green Chemistry and Sustainable Technology</i> , 2014 , 275-311	1.1	16
11	Analysis of biosolids equilibrium moisture and drying. <i>Environmental Progress and Sustainable Energy</i> , 2009 , 28, 291-298	2.5	15
10	Factors Affecting Solubilization of Phosphorus and Nitrogen through Hydrothermal Carbonization of Animal Manure. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12462-12470	8.3	11
9	Behavior of Stable Carbon and Stable Nitrogen Isotopes during Hydrothermal Carbonization of biomass. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018 , 131, 85-92	6	10
8	Hydrothermal carbonization of glucose in saline solution: sequestration of nutrients on carbonaceous materials. <i>AIMS Energy</i> , 2016 , 4, 173-189	1.8	10
7	Ash reduction of corn stover by mild hydrothermal preprocessing. <i>Biomass Conversion and Biorefinery</i> , 2014 , 5, 21	2.3	9
6	Loblolly pine pretreatment by ionic liquid-glycerol mixtures. <i>Biomass Conversion and Biorefinery</i> , 2016 , 6, 247-260	2.3	5
5	Grindelia squarrosa: A Potential Arid Lands Biofuel Plant. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 995-1001	8.3	4
4	A novel method for isokinetic measurement of particle flux within the riser of a circulating fluidized bed. <i>Powder Technology</i> , 1998 , 99, 211-219	5.2	4
3	Binder-free torrefied biomass pellets: significance of torrefaction temperature and pelletization parameters by multivariate analysis. <i>Biomass Conversion and Biorefinery</i> , 2020 , 1	2.3	3
2	3-D face-masking detection and tracking algorithm for bubble dynamics: Method and validation for gas-solid fluidized beds. <i>Powder Technology</i> , 2017 , 313, 88-98	5.2	2
1	Activated Carbons from Hydrothermal Carbonization and Chemical Activation of Olive Stones: Application in Sulfamethoxazole Adsorption. <i>Resources</i> , 2022 , 11, 43	3.7	0