

# Charles J Coronella

## List of Publications by Year in descending order

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35  
papers

2,982  
citations

304368

22  
h-index

360668

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2473  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal pretreatment of lignocellulosic biomass. <i>Environmental Progress and Sustainable Energy</i> , 2009, 28, 435-440.	1.3	382
2	Hydrothermal carbonization: Fate of inorganics. <i>Biomass and Bioenergy</i> , 2013, 49, 86-94.	2.9	381
3	Mass and Energy Balances of Wet Torrefaction of Lignocellulosic Biomass. <i>Energy &amp; Fuels</i> , 2010, 24, 4738-4742.	2.5	209
4	Acetic acid and lithium chloride effects on hydrothermal carbonization of lignocellulosic biomass. <i>Bioresource Technology</i> , 2011, 102, 6192-6199.	4.8	208
5	Effect of thermal pretreatment on equilibrium moisture content of lignocellulosic biomass. <i>Bioresource Technology</i> , 2011, 102, 4849-4854.	4.8	207
6	Hydrothermal carbonization of loblolly pine: reaction chemistry and water balance. <i>Biomass Conversion and Biorefinery</i> , 2014, 4, 311-321.	2.9	183
7	Effect of hydrothermal carbonization reaction parameters on the properties of hydrochar and pellets. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 676-680.	1.3	176
8	Reaction kinetics of hydrothermal carbonization of loblolly pine. <i>Bioresource Technology</i> , 2013, 139, 161-169.	4.8	171
9	Pelletization of biochar from hydrothermally carbonized wood. <i>Environmental Progress and Sustainable Energy</i> , 2012, 31, 225-234.	1.3	143
10	Engineered pellets from dry torrefied and HTC biochar blends. <i>Biomass and Bioenergy</i> , 2014, 63, 229-238.	2.9	121
11	Hydrothermal carbonization of various lignocellulosic biomass. <i>Biomass Conversion and Biorefinery</i> , 2015, 5, 173-181.	2.9	104
12	Hydrothermal carbonization (HTC) of cow manure: Carbon and nitrogen distributions in HTC products. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 1002-1011.	1.3	100
13	Effect of salt addition on hydrothermal carbonization of lignocellulosic biomass. <i>Fuel</i> , 2012, 99, 271-273.	3.4	85
14	Pretreatment of rice hulls by ionic liquid dissolution. <i>Bioresource Technology</i> , 2012, 114, 629-636.	4.8	72
15	Hydrothermal Carbonization of Autoclaved Municipal Solid Waste Pulp and Anaerobically Treated Pulp Digestate. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3649-3658.	3.2	49
16	Wet Air Oxidation of Hydrothermal Carbonization (HTC) Process Liquid. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3250-3254.	3.2	45
17	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.	3.2	45
18	Effects of water recycling in hydrothermal carbonization of loblolly pine. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 1309-1315.	1.3	44

#	ARTICLE	IF	CITATIONS
19	Factors Affecting Solubilization of Phosphorus and Nitrogen through Hydrothermal Carbonization of Animal Manure. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12462-12470.	3.2	36
20	Glycerol as an ionic liquid co-solvent for pretreatment of rice hulls to enhance glucose and xylose yield. <i>Bioresource Technology</i> , 2014, 166, 471-478.	4.8	25
21	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>Particuology</i> , 2017, 34, 61-69.	2.0	25
22	Pyrolysis kinetics of raw/hydrothermally carbonized lignocellulosic biomass. <i>Environmental Progress and Sustainable Energy</i> , 2012, 31, 200-204.	1.3	24
23	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.	3.2	20
24	Analysis of biosolids equilibrium moisture and drying. <i>Environmental Progress and Sustainable Energy</i> , 2009, 28, 291-298.	1.3	19
25	Hydrothermal Carbonization of Lignocellulosic Biomass. <i>Green Chemistry and Sustainable Technology</i> , 2014, , 275-311.	0.4	18
26	Acid-mediated hydrothermal treatment of sewage sludge for nutrient recovery. <i>Science of the Total Environment</i> , 2022, 838, 156494.	3.9	17
27	Hydrothermal carbonization of glucose in saline solution: sequestration of nutrients on carbonaceous materials. <i>AIMS Energy</i> , 2016, 4, 173-189.	1.1	13
28	Ash reduction of corn stover by mild hydrothermal preprocessing. <i>Biomass Conversion and Biorefinery</i> , 2014, 5, 21.	2.9	11
29	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.	2.6	11
30	Activated Carbons from Hydrothermal Carbonization and Chemical Activation of Olive Stones: Application in Sulfamethoxazole Adsorption. <i>Resources</i> , 2022, 11, 43.	1.6	11
31	<i>Grindelia squarrosa</i> : A Potential Arid Lands Biofuel Plant. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 995-1001.	3.2	8
32	Loblolly pine pretreatment by ionic liquid-glycerol mixtures. <i>Biomass Conversion and Biorefinery</i> , 2016, 6, 247-260.	2.9	6
33	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.	2.1	5
34	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.	2.1	4
35	Binder-free torrefied biomass pellets: significance of torrefaction temperature and pelletization parameters by multivariate analysis. <i>Biomass Conversion and Biorefinery</i> , 2020, , 1.	2.9	4