

# Charles J Coronella

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

2,982  
citations

304743  
22  
h-index

361022  
35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2473  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal pretreatment of lignocellulosic biomass. Environmental Progress and Sustainable Energy, 2009, 28, 435-440.	2.3	382
2	Hydrothermal carbonization: Fate of inorganics. Biomass and Bioenergy, 2013, 49, 86-94.	5.7	381
3	Mass and Energy Balances of Wet Torrefaction of Lignocellulosic Biomass. Energy & Fuels, 2010, 24, 4738-4742.	5.1	209
4	Acetic acid and lithium chloride effects on hydrothermal carbonization of lignocellulosic biomass. Bioresource Technology, 2011, 102, 6192-6199.	9.6	208
5	Effect of thermal pretreatment on equilibrium moisture content of lignocellulosic biomass. Bioresource Technology, 2011, 102, 4849-4854.	9.6	207
6	Hydrothermal carbonization of loblolly pine: reaction chemistry and water balance. Biomass Conversion and Biorefinery, 2014, 4, 311-321.	4.6	183
7	Effect of hydrothermal carbonization reaction parameters on the properties of hydrochar and pellets. Environmental Progress and Sustainable Energy, 2014, 33, 676-680.	2.3	176
8	Reaction kinetics of hydrothermal carbonization of loblolly pine. Bioresource Technology, 2013, 139, 161-169.	9.6	171
9	Pelletization of biochar from hydrothermally carbonized wood. Environmental Progress and Sustainable Energy, 2012, 31, 225-234.	2.3	143
10	Engineered pellets from dry torrefied and HTC biochar blends. Biomass and Bioenergy, 2014, 63, 229-238.	5.7	121
11	Hydrothermal carbonization of various lignocellulosic biomass. Biomass Conversion and Biorefinery, 2015, 5, 173-181.	4.6	104
12	Hydrothermal carbonization (HTC) of cow manure: Carbon and nitrogen distributions in HTC products. Environmental Progress and Sustainable Energy, 2016, 35, 1002-1011.	2.3	100
13	Effect of salt addition on hydrothermal carbonization of lignocellulosic biomass. Fuel, 2012, 99, 271-273.	6.4	85
14	Pretreatment of rice hulls by ionic liquid dissolution. Bioresource Technology, 2012, 114, 629-636.	9.6	72
15	Hydrothermal Carbonization of Autoclaved Municipal Solid Waste Pulp and Anaerobically Treated Pulp Digestate. ACS Sustainable Chemistry and Engineering, 2016, 4, 3649-3658.	6.7	49
16	Wet Air Oxidation of Hydrothermal Carbonization (HTC) Process Liquid. ACS Sustainable Chemistry and Engineering, 2016, 4, 3250-3254.	6.7	45
17	Hydrothermal Carbonization (HTC) and Pelletization of Two Arid Land Plants Bagasse for Energy Densification. ACS Sustainable Chemistry and Engineering, 2016, 4, 1106-1114.	6.7	45
18	Effects of water recycling in hydrothermal carbonization of loblolly pine. Environmental Progress and Sustainable Energy, 2014, 33, 1309-1315.	2.3	44

#	ARTICLE	IF	CITATIONS
19	Factors Affecting Solubilization of Phosphorus and Nitrogen through Hydrothermal Carbonization of Animal Manure. ACS Sustainable Chemistry and Engineering, 2020, 8, 12462-12470.	6.7	36
20	Glycerol as an ionic liquid co-solvent for pretreatment of rice hulls to enhance glucose and xylose yield. Bioresource Technology, 2014, 166, 471-478.	9.6	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. Particuology, 2017, 34, 61-69.	3.6	25
22	Pyrolysis kinetics of raw/hydrothermally carbonized lignocellulosic biomass. Environmental Progress and Sustainable Energy, 2012, 31, 200-204.	2.3	24
23	Corn Stover Pretreatment by Ionic Liquid and Glycerol Mixtures with Their Density, Viscosity, and Thermogravimetric Properties. ACS Sustainable Chemistry and Engineering, 2016, 4, 3786-3793.	6.7	20
24	Analysis of biosolids equilibrium moisture and drying. Environmental Progress and Sustainable Energy, 2009, 28, 291-298.	2.3	19
25	Hydrothermal Carbonization of Lignocellulosic Biomass. Green Chemistry and Sustainable Technology, 2014, , 275-311.	0.7	18
26	Acid-mediated hydrothermal treatment of sewage sludge for nutrient recovery. Science of the Total Environment, 2022, 838, 156494.	8.0	17
27	Hydrothermal carbonization of glucose in saline solution: sequestration of nutrients on carbonaceous materials. AIMS Energy, 2016, 4, 173-189.	1.9	13
28	Ash reduction of corn stover by mild hydrothermal preprocessing. Biomass Conversion and Biorefinery, 2014, 5, 21.	4.6	11
29	Behavior of Stable Carbon and Stable Nitrogen Isotopes during Hydrothermal Carbonization of biomass. Journal of Analytical and Applied Pyrolysis, 2018, 131, 85-92.	5.5	11
30	Activated Carbons from Hydrothermal Carbonization and Chemical Activation of Olive Stones: Application in Sulfamethoxazole Adsorption. Resources, 2022, 11, 43.	3.5	11
31	Grindelia squarrosa: A Potential Arid Lands Biofuel Plant. ACS Sustainable Chemistry and Engineering, 2017, 5, 995-1001.	6.7	8
32	Loblolly pine pretreatment by ionic liquid-glycerol mixtures. Biomass Conversion and Biorefinery, 2016, 6, 247-260.	4.6	6
33	A novel method for isokinetic measurement of particle flux within the riser of a circulating fluidized bed. Powder Technology, 1998, 99, 211-219.	4.2	5
34	3-D face-masking detection and tracking algorithm for bubble dynamics: Method and validation for gas-solid fluidized beds. Powder Technology, 2017, 313, 88-98.	4.2	4
35	Binder-free torrefied biomass pellets: significance of torrefaction temperature and pelletization parameters by multivariate analysis. Biomass Conversion and Biorefinery, 2020, , 1.	4.6	4