Charles J Coronella

List of Publications by Year
in descending order

35	2,982	304743	361022
papers	citations	22 h-index	35 g-index

35	35	35	2473
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Activated Carbons from Hydrothermal Carbonization and Chemical Activation of Olive Stones: Application in Sulfamethoxazole Adsorption. Resources, 2022, 11, 43.	3.5	11
2	Acid-mediated hydrothermal treatment of sewage sludge for nutrient recovery. Science of the Total Environment, 2022, 838, 156494.	8.0	17
3	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
4	Binder-free torrefied biomass pellets: significance of torrefaction temperature and pelletization parameters by multivariate analysis. Biomass Conversion and Biorefinery, 2020, , 1.	4.6	4
5	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
6	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
7	3-D face-masking detection and tracking algorithm for bubble dynamics: Method and validation for gasâ€“solid fluidized beds. Powder Technology, 2017, 313, 88-98.	4.2	4
8	Grindelia squarrosa: A Potential Arid Lands Biofuel Plant. ACS Sustainable Chemistry and Engineering, 2017, 5, 995-1001.	6.7	8
9	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
10	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
11	Wet Air Oxidation of Hydrothermal Carbonization (HTC) Process Liquid. ACS Sustainable Chemistry and Engineering, 2016, 4, 3250-3254.	6.7	45
12	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
13	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
14	Loblolly pine pretreatment by ionic liquid-glycerol mixtures. Biomass Conversion and Biorefinery, 2016, 6, 247-260.	4.6	6
15	Hydrothermal carbonization of glucose in saline solution: sequestration of nutrients on carbonaceous materials. AIMS Energy, 2016, 4, 173-189.	1.9	13
16	Hydrothermal carbonization of various lignocellulosic biomass. Biomass Conversion and Biorefinery, 2015, 5, 173-181.	4.6	104
17	Effects of water recycling in hydrothermal carbonization of loblolly pine. Environmental Progress and Sustainable Energy, 2014, 33, 1309-1315.	2.3	44
18	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

#	Article	IF	Citations
19	Hydrothermal Carbonization of Lignocellulosic Biomass. Green Chemistry and Sustainable Technology, 2014, , 275-311.	0.7	18
20	Hydrothermal carbonization of loblolly pine: reaction chemistry and water balance. Biomass Conversion and Biorefinery, 2014, 4, 311-321.	4.6	183
21	Ash reduction of corn stover by mild hydrothermal preprocessing. Biomass Conversion and Biorefinery, 2014, 5, 21.	4.6	11
22	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
23	Engineered pellets from dry torrefied and HTC biochar blends. Biomass and Bioenergy, 2014, 63, 229-238.	5.7	121
24	Hydrothermal carbonization: Fate of inorganics. Biomass and Bioenergy, 2013, 49, 86-94.	5.7	381
25	Reaction kinetics of hydrothermal carbonization of loblolly pine. Bioresource Technology, 2013, 139, 161-169.	9.6	171
26	Effect of salt addition on hydrothermal carbonization of lignocellulosic biomass. Fuel, 2012, 99, 271-273.	6.4	85
27	Pyrolysis kinetics of raw/hydrothermally carbonized lignocellulosic biomass. Environmental Progress and Sustainable Energy, 2012, 31, 200-204.	2.3	24
28	Pelletization of biochar from hydrothermally carbonized wood. Environmental Progress and Sustainable Energy, 2012, 31, 225-234.	2.3	143
29	Pretreatment of rice hulls by ionic liquid dissolution. Bioresource Technology, 2012, 114, 629-636.	9.6	72
30	Effect of thermal pretreatment on equilibrium moisture content of lignocellulosic biomass. Bioresource Technology, 2011, 102, 4849-4854.	9.6	207
31	Acetic acid and lithium chloride effects on hydrothermal carbonization of lignocellulosic biomass. Bioresource Technology, 2011, 102, 6192-6199.	9.6	208
32	Mass and Energy Balances of Wet Torrefaction of Lignocellulosic Biomass. Energy & Fuels, 2010, 24, 4738-4742.	5.1	209
33	Analysis of biosolids equilibrium moisture and drying. Environmental Progress and Sustainable Energy, 2009, 28, 291-298.	2.3	19
34	Thermal pretreatment of lignocellulosic biomass. Environmental Progress and Sustainable Energy, 2009, 28, 435-440.	2.3	382
35	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