Rodrigo Llano-Ponte

List of Publications by Year
in descending order

21 papers	1,402 citations	623188 14 h-index	713013 21 g-index
21 all docs	21 docs citations	21 times ranked	1964 citing authors

#	Article	IF	Citations
1	Fine-tune of lignin properties by its fractionation with a sequential organic solvent extraction. Industrial Crops and Products, 2022, 175, 114251.	2.5	16
2	Influence of the wood quality and treatment temperature on the physical and mechanical properties of thermally modified radiata pine. European Journal of Wood and Wood Products, 2019, 77, 661-671.	1.3	12
3	Evolution of thermally modified wood properties exposed to natural and artificial weathering and its potential as an element for faÃ§ades systems. Construction and Building Materials, 2018, 172, 233-242.	3.2	32
4	Effect of wood drying and heat modification on some physical and mechanical properties of radiata pine. Drying Technology, 2018, 36, 537-544.	1.7	38
5	Esterified organosolv lignin as hydrophobic agent for use on wood products. Progress in Organic Coatings, 2017, 103, 143-151.	1.9	41
6	Characterization of pine wood liquid and solid residues generated during industrial hydrothermal treatment. Biomass and Bioenergy, 2016, 95, 174-181.	2.9	7
7	Chemical analysis of industrial-scale hydrothermal wood degraded by wood-rotting basidiomycetes and its action mechanisms. Polymer Degradation and Stability, 2015, 117, 37-45.	2.7	12
8	Characterization of hydrothermally treated wood in relation to changes on its chemical composition and physical properties. Journal of Analytical and Applied Pyrolysis, 2014, 107, 256-266.	2.6	68
9	Bread residues conversion into lactic acid by alkaline hydrothermal treatments. Chemical Engineering Journal, 2014, 250, 326-330.	6.6	18
10	Physicochemical properties of PLA lignin blends. Polymer Degradation and Stability, 2014, 108, 330-338.	2.7	232
11	Obtaining of eucalyptus microfibrils for adsorption of aromatic compounds in aqueous solution. Chemical Engineering Journal, 2013, 229, 42-49.	6.6	14
12	Evaluation of the biomass fractionation capability of the ultrafiltration permeate: A learning project for chemical engineering students. Education for Chemical Engineers, 2012, 7, e241-e246.	2.8	1
13	Lactic acid production by alkaline hydrothermal treatment of corn cobs. Chemical Engineering Journal, 2012, 181-182, 655-660.	6.6	77
14	Polyols obtained from solvolysis liquefaction of biodiesel production solid residues. Chemical Engineering Journal, 2011, 175, 169-175.	6.6	63
15	Ultrasound-assisted fractionation of the lignocellulosic material. Bioresource Technology, 2011, 102, 6326-6330.	4.8	88
16	Energy and economic assessment of soda and organosolv biorefinery processes. Biomass and Bioenergy, 2011, 35, 516-525.	2.9	44
17	Energy and Economic Assessment of Soda and Organosolv Biorefinery Processes. Computer Aided Chemical Engineering, 2010, , 115-120.	0.3	2
18	Energy Optimization of a Kraft Pulp Mill. Computer Aided Chemical Engineering, 2009, , 417-422.	0.3	3

#	Article	IF	Citations
19	Surface modification of sisal fibers: Effects on the mechanical and thermal properties of their epoxy composites. Polymer Composites, 2005, 26, 121-127.	2.3	130
20	A systematic investigation on the influence of the chemical treatment of natural fibers on the properties of their polymer matrix composites. Polymer Composites, 2004, 25, 470-479.	2.3	115
21	Effects of fibre treatment on wettability and mechanical behaviour of flax/polypropylene composites. Composites Science and Technology, 2003, 63, 1247-1254.	3.8	389