

Rodrigo Llano-Ponte

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,402
citations

623734

14
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1964
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of fibre treatment on wettability and mechanical behaviour of flax/polypropylene composites. <i>Composites Science and Technology</i> , 2003, 63, 1247-1254.	7.8	389
2	Physicochemical properties of PLA lignin blends. <i>Polymer Degradation and Stability</i> , 2014, 108, 330-338.	5.8	232
3	Surface modification of sisal fibers: Effects on the mechanical and thermal properties of their epoxy composites. <i>Polymer Composites</i> , 2005, 26, 121-127.	4.6	130
4	A systematic investigation on the influence of the chemical treatment of natural fibers on the properties of their polymer matrix composites. <i>Polymer Composites</i> , 2004, 25, 470-479.	4.6	115
5	Ultrasound-assisted fractionation of the lignocellulosic material. <i>Bioresource Technology</i> , 2011, 102, 6326-6330.	9.6	88
6	Lactic acid production by alkaline hydrothermal treatment of corn cobs. <i>Chemical Engineering Journal</i> , 2012, 181-182, 655-660.	12.7	77
7	Characterization of hydrothermally treated wood in relation to changes on its chemical composition and physical properties. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 107, 256-266.	5.5	68
8	Polyols obtained from solvolysis liquefaction of biodiesel production solid residues. <i>Chemical Engineering Journal</i> , 2011, 175, 169-175.	12.7	63
9	Energy and economic assessment of soda and organosolv biorefinery processes. <i>Biomass and Bioenergy</i> , 2011, 35, 516-525.	5.7	44
10	Esterified organosolv lignin as hydrophobic agent for use on wood products. <i>Progress in Organic Coatings</i> , 2017, 103, 143-151.	3.9	41
11	Effect of wood drying and heat modification on some physical and mechanical properties of radiata pine. <i>Drying Technology</i> , 2018, 36, 537-544.	3.1	38
12	Evolution of thermally modified wood properties exposed to natural and artificial weathering and its potential as an element for façades systems. <i>Construction and Building Materials</i> , 2018, 172, 233-242.	7.2	32
13	Bread residues conversion into lactic acid by alkaline hydrothermal treatments. <i>Chemical Engineering Journal</i> , 2014, 250, 326-330.	12.7	18
14	Fine-tune of lignin properties by its fractionation with a sequential organic solvent extraction. <i>Industrial Crops and Products</i> , 2022, 175, 114251.	5.2	16
15	Obtaining of eucalyptus microfibrils for adsorption of aromatic compounds in aqueous solution. <i>Chemical Engineering Journal</i> , 2013, 229, 42-49.	12.7	14
16	Chemical analysis of industrial-scale hydrothermal wood degraded by wood-rotting basidiomycetes and its action mechanisms. <i>Polymer Degradation and Stability</i> , 2015, 117, 37-45.	5.8	12
17	Influence of the wood quality and treatment temperature on the physical and mechanical properties of thermally modified radiata pine. <i>European Journal of Wood and Wood Products</i> , 2019, 77, 661-671.	2.9	12
18	Characterization of pine wood liquid and solid residues generated during industrial hydrothermal treatment. <i>Biomass and Bioenergy</i> , 2016, 95, 174-181.	5.7	7

#	ARTICLE	IF	CITATIONS
19	Energy Optimization of a Kraft Pulp Mill. Computer Aided Chemical Engineering, 2009, , 417-422.	0.5	3
20	Energy and Economic Assessment of Soda and Organosolv Biorefinery Processes. Computer Aided Chemical Engineering, 2010, , 115-120.	0.5	2
21	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.	4.8	1