Ana LourenÃ§o

List of Publications by Year
in descending order

43 papers	1,286 citations	430754 18 h-index	395590 33 g-index
45 all docs	45 docs citations	45 times ranked	1566 citing authors

#	Article	IF	Citations
1	Characterization of walnut, almond, and pine nut shells regarding chemical composition and extract composition. Biomass Conversion and Biorefinery, 2020, 10, 175-188.	2.9	122
2	Cynara cardunculus L. as a biomass and multi-purpose crop: A review of 30 years of research. Biomass and Bioenergy, 2018, 109, 257-275.	2.9	116
3	Lignin Composition and Structure Differs between Xylem, Phloem and Phellem in Quercus suber L.. Frontiers in Plant Science, 2016, 7, 1612.	1.7	104
4	Large scale cultivation of Cynara cardunculus L. for biomass productionâ€"A case study. Industrial Crops and Products, 2011, 33, 1-6.	2.5	88
5	Compositional Variability of Lignin in Biomass. , 0, , .		56
6	Characterization of lignin in heartwood, sapwood and bark from Tectona grandis using Pyâ€"GCâ€"MS/FID. Wood Science and Technology, 2015, 49, 159-175.	1.4	54
7	Improvement of gasification performance of Eucalyptus globulus stumps with torrefaction and densification pre-treatments. Fuel, 2017, 206, 289-299.	3.4	51
8	Chemical composition and kraft pulping potential of 12 eucalypt species. Industrial Crops and Products, 2015, 66, 89-95.	2.5	48
9	Characterization of hairs and pappi from Cynara cardunculus capitula and their suitability for paper production. Industrial Crops and Products, 2009, 29, 116-125.	2.5	47
10	Chemical and fuel properties of stumps biomass from Eucalyptus globulus plantations. Industrial Crops and Products, 2012, 39, 12-16.	2.5	42
11	The influence of heartwood on the pulping properties of Acacia melanoxylon wood. Journal of Wood Science, 2008, 54, 464-469.	0.9	41
12	Reactivity of syringyl and guaiacyl lignin units and delignification kinetics in the kraft pulping of Eucalyptus globulus wood using Py-GCâ€"MS/FID. Bioresource Technology, 2012, 123, 296-302.	4.8	36
13	Characterization of crop residues from false banana /Ensete ventricosum/ in Ethiopia in view of a full-resource valorization. PLoS ONE, 2018, 13, e0199422.	1.1	35
14	Variation of Lignin Monomeric Composition During Kraft Pulping ofEucalyptus globulusHeartwood and Sapwood. Journal of Wood Chemistry and Technology, 2013, 33, 1-18.	0.9	28
15	The influence of irrigation and fertilization on heartwood and sapwood contents in 18-year-old Eucalyptus globulus trees. Canadian Journal of Forest Research, 2006, 36, 2675-2683.	0.8	27
16	Biomass production of four Cynara cardunculus clones and lignin composition analysis. Biomass and Bioenergy, 2015, 76, 86-95.	2.9	24
17	Steam Explosion as a Pretreatment of Cynara cardunculus Prior to Delignification. Industrial & Engineering Chemistry Research, 2017, 56, 424-433.	1.8	22
18	Effect of Rice Husk Torrefaction on Syngas Production and Quality. Energy & Fuels, 2017, 31, 5183-5192.	2.5	20

#	Article	IF	Citations
19	Cellulose Structural Changes during Mild Torrefaction of Eucalyptus Wood. Polymers, 2020, 12, 2831.	2.0	20
20	Thermal Conversion of Cynara cardunculus L. and Mixtures with Eucalyptus globulus by Fluidized-Bed Combustion and Gasification. Energy & Fuels, 2013, 27, 6725-6737.	2.5	19
21	Distillery Residues from Cistus ladanifer (Rockrose) as Feedstock for the Production of Added-Value Phenolic Compounds and Hemicellulosic Oligosaccharides. Bioenergy Research, 2019, 12, 347-358.	2.2	19
22	Eucalyptus globulus Stumpwood as a Raw Material for Pulping. BioResources, 2014, 9, .	0.5	19
23	Py-GC/MS(FID) assessed behavior of polysaccharides during kraft delignification of Eucalyptus globulus heartwood and sapwood. Journal of Analytical and Applied Pyrolysis, 2013, 101, 142-149.	2.6	18
24	The Potential of Hydrothermally Pretreated Industrial Barks FromE. globulusas a Feedstock for Pulp Production. Journal of Wood Chemistry and Technology, 2016, 36, 383-392.	0.9	18
25	Chemical characterization of cork, phloem and wood from different Quercus suber provenances and trees. Heliyon, 2019, 5, e02910.	1.4	18
26	Delignification of Cistus ladanifer Biomass by Organosolv and Alkali Processes. Energies, 2021, 14, 1127.	1.6	17
27	Comparison of Py-GC/FID and Wet Chemistry Analysis for Lignin Determination in Wood and Pulps from Eucalyptus globulus. BioResources, 2013, 8, .	0.5	16
28	Structural changes in lignin of thermally treated eucalyptus wood. Journal of Wood Chemistry and Technology, 2020, 40, 258-268.	0.9	14
29	Isolation and Structural Characterization of Lignin from Cardoon (Cynara cardunculus L.) Stalks. Bioenergy Research, 2015, 8, 1946-1955.	2.2	13
30	The effect of different pre-treatments to improve delignification of eucalypt stumps in a biorefinery context. Bioresource Technology Reports, 2019, 6, 89-95.	1.5	13
31	An extensive study on the chemical diversity of lipophilic extractives from Eucalyptus globulus wood. Phytochemistry, 2020, 180, 112520.	1.4	13
32	Chemical composition and cellular structure of ponytail palm (Beaucarnea recurvata) cork. Industrial Crops and Products, 2018, 124, 845-855.	2.5	12
33	Cistus ladanifer as a source of chemicals: structural and chemical characterization. Biomass Conversion and Biorefinery, 2020, 10, 325-337.	2.9	12
34	ECB12: 12th European Congess on Biotechnology. Journal of Biotechnology, 2005, 118, 1-189.	1.9	11
35	Modeling of sapwood and heartwood delignification kinetics of Eucalyptus globulus using consecutive and simultaneous approaches. Journal of Wood Science, 2011, 57, 20-26.	0.9	11
36	Chemical Characterization of Lignocellulosic Materials by Analytical Pyrolysis. , 0, , .		11

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37	Eucalyptus globulus Stumps Bark: Chemical and Anatomical Characterization Under a Valorisation Perspective. Waste and Biomass Valorization, 2021, 12, 1253-1265.	1.8	11
38	Variation of Wood Pulping and Bleached Pulp Properties Along the Stem in Mature Eucalyptus globulus Trees. BioResources, 2015, 10, .	0.5	8
39	Structural Features of Cork Dioxane Lignin from Quercus suber L.. Journal of Agricultural and Food Chemistry, 2021, 69, 8555-8564.	2.4	8
40	Physical and mechanical properties of heat treated wood from Aspidosperma populifolium, dipteryx odorata and mimosa scabrella. Maderas: Ciencia Y Tecnologia, 2016, , 0-0.	0.7	7
41	The effect of eucalypt tree overaging on pulping and paper properties. European Journal of Wood and Wood Products, 2016, 74, 101-108.	1.3	5
42	The Identification of New Triterpenoids in Eucalyptus globulus Wood. Molecules, 2021, 26, 3495.	1.7	4
43	Radial and Axial Variation of Heartwood Properties and Extractives in Mature Trees of Eucalyptus globulus. BioResources, 2014, 10, .	0.5	3