

JosÃ© Carlos Rodrigues

List of Publications by Year in descending order

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67
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3,957
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201575

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68
docs citations

68
times ranked

4786
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of short-time vibratory ball milling on the shape of FT-IR spectra of wood and cellulose. <i>Vibrational Spectroscopy</i> , 2004, 36, 23-40.	1.2	1,054
2	A Review of Band Assignments in near Infrared Spectra of Wood and Wood Components. <i>Journal of Near Infrared Spectroscopy</i> , 2011, 19, 287-308.	0.8	485
3	Adsorption of acid orange 7 dye in aqueous solutions by spent brewery grains. <i>Separation and Purification Technology</i> , 2004, 40, 309-315.	3.9	178
4	Genetic parameters of growth and wood quality traits in <i>Picea abies</i> . <i>Scandinavian Journal of Forest Research</i> , 2004, 19, 14-29.	0.5	171
5	Glycerol and glyceryl esters of α -hydroxyacids in cutins. <i>Phytochemistry</i> , 2002, 61, 205-215.	1.4	126
6	Determination of tree to tree variation in syringyl/guaiacyl ratio of <i>Eucalyptus globulus</i> wood lignin by analytical pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 1999, 48, 121-128.	2.6	115
7	Analytical pyrolysis as a direct method to determine the lignin content in wood. <i>Journal of Analytical and Applied Pyrolysis</i> , 2006, 76, 209-213.	2.6	87
8	Genetic Variation in the Chemical Components of <i>Eucalyptus globulus</i> Wood. G3: Genes, Genomes, Genetics, 2011, 1, 151-159.	0.8	81
9	A common near infrared-based partial least squares regression model for the prediction of wood density of <i>Pinus pinaster</i> and <i>Larix laricina</i> . <i>Wood Science and Technology</i> , 2012, 46, 157-175.	1.4	77
10	Influence of tree eccentric growth on syringyl/guaiacyl ratio in <i>Eucalyptus globulus</i> wood lignin assessed by analytical pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2001, 58-59, 481-489.	2.6	70
11	Quantitative evaluation by attenuated total reflectance infrared (ATR-FTIR) spectroscopy of the chemical composition of decayed wood preserved in waterlogged conditions. <i>Talanta</i> , 2015, 131, 14-20.	2.9	67
12	Calibration of NIR to assess lignin composition (H/G ratio) in maritime pine wood using analytical pyrolysis as the reference method. <i>Holzforschung</i> , 2006, 60, 29-31.	0.9	61
13	A comprehensive assessment of the transcriptome of cork oak (<i>Quercus suber</i>) through EST sequencing. <i>BMC Genomics</i> , 2014, 15, 371.	1.2	53
14	Molecular and phenotypic profiling from the base to the crown in maritime pine wood-forming tissue. <i>New Phytologist</i> , 2008, 178, 283-301.	3.5	49
15	Variation of wood density and mechanical properties of blackwood (<i>Acacia melanoxylon</i> R. Br.). <i>Materials & Design</i> , 2014, 56, 975-980.	5.1	48
16	QTLs and candidate genes for wood properties in maritime pine (<i>Pinus pinaster</i> Ait.). <i>Tree Genetics and Genomes</i> , 2006, 2, 10-24.	0.6	47
17	Plasticity of maritime pine (<i>Pinus pinaster</i>) wood-forming tissues during a growing season. <i>New Phytologist</i> , 2008, 179, 1180-1194.	3.5	42
18	Determination of the Syringyl/Guaiacyl Ratio of <i>Eucalyptus Globulus</i> Wood Lignin by near Infrared-Based Partial Least Squares Regression Models Using Analytical Pyrolysis as the Reference Method. <i>Journal of Near Infrared Spectroscopy</i> , 2011, 19, 343-348.	0.8	42

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19	Contrasting nitrogen fertilization treatments impact xylem gene expression and secondary cell wall lignification in Eucalyptus. <i>BMC Plant Biology</i> , 2014, 14, 256.	1.6	41
20	Isolation and comparative characterization of a BjÅrkman lignin from the saponified cork of Douglas-fir bark. <i>Journal of Analytical and Applied Pyrolysis</i> , 2006, 77, 169-176.	2.6	38
21	Analytical pyrolysis as a direct method to determine the lignin content in wood. <i>Journal of Analytical and Applied Pyrolysis</i> , 2009, 85, 30-37.	2.6	35
22	Impact of high moisture conditions on the serviceability performance of wood plastic composite decks. <i>Materials and Design</i> , 2016, 103, 122-131.	3.3	35
23	Title is missing!. <i>Molecular Breeding</i> , 2003, 12, 157-167.	1.0	31
24	Estimation of Wood Basic Density of <i>Acacia Melanoxydon</i> (R. Br.) by near Infrared Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2012, 20, 267-274.	0.8	31
25	NIR PLSR results obtained by calibration with noisy, low-precision reference values: Are the results acceptable?. <i>Holzforschung</i> , 2006, 60, 402-408.	0.9	30
26	Determination of Lignin Content in Norway Spruce Wood by Fourier Transformed near Infrared Spectroscopy and Partial Least Squares Regression. Part 1: Wavenumber Selection and Evaluation of the Selected Range. <i>Journal of Near Infrared Spectroscopy</i> , 2011, 19, 319-329.	0.8	30
27	Near-infrared spectroscopy enables the genetic analysis of chemical properties in a large set of wood samples from <i>Populus nigra</i> (L.) natural populations. <i>Industrial Crops and Products</i> , 2017, 107, 159-171.	2.5	30
28	Improvement of the acetyl bromide method for lignin determination within large scale screening programmes. <i>European Journal of Wood and Wood Products</i> , 1999, 57, 341-345.	1.3	29
29	Rapid Determination of the Lignin Content in Sitka Spruce (<i>Picea sitchensis</i> (Bong.) Carr.) Wood by Fourier Transform Infrared Spectrometry. <i>Holzforschung</i> , 1999, 53, 597-602.	0.9	27
30	Improvement of <i>Pinus pinaster</i> Ait elite trees selection by combining near infrared spectroscopy and genetic tools. <i>Holzforschung</i> , 2007, 61, 611-622.	0.9	27
31	Long cold exposure induces transcriptional and biochemical remodelling of xylem secondary cell wall in Eucalyptus. <i>Tree Physiology</i> , 2018, 38, 409-422.	1.4	27
32	Pulping Yield and Delignification Kinetics of Heartwood and Sapwood of Maritime Pine. <i>Journal of Wood Chemistry and Technology</i> , 2005, 25, 217-230.	0.9	26
33	Does selecting for improved growth affect wood quality of <i>Pinus pinaster</i> in Portugal?. <i>Forest Ecology and Management</i> , 2009, 258, 115-121.	1.4	26
34	Analytical pyrolysis as a direct method to determine the lignin content in wood. <i>Journal of Analytical and Applied Pyrolysis</i> , 2008, 81, 167-172.	2.6	25
35	Determination of Eucalyptus Globulus Wood Extractives Content by near Infrared-Based Partial Least Squares Regression Models: Comparison between Extraction Procedures. <i>Journal of Near Infrared Spectroscopy</i> , 2012, 20, 275-285.	0.8	24
36	NIR PLSR model selection for Kappa number prediction of maritime pine Kraft pulps. <i>Wood Science and Technology</i> , 2007, 41, 491-499.	1.4	23

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37	Applying pyrolysis-gas chromatography/mass spectrometry to the identification of oriental lacquers: study of two lacquered shields. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 2167-2174.	1.9	23
38	Determination of Lignin Content in Norway Spruce Wood by Fourier Transformed near Infrared Spectroscopy and Partial Least Squares Regression Analysis. Part 2: Development and Evaluation of the Final Model. <i>Journal of Near Infrared Spectroscopy</i> , 2011, 19, 331-341.	0.8	23
39	Physical, chemical and mechanical properties of <i>Pinus sylvestris</i> wood at five sites in Portugal. <i>IForest</i> , 2017, 10, 669-679.	0.5	23
40	Determination of Monosaccharide Composition of <i>Eucalyptus globulus</i> Wood by FTIR Spectroscopy. <i>Holzforschung</i> , 2001, 55, 265-269.	0.9	22
41	Measuring the chemical composition of waterlogged decayed wood by near infrared spectroscopy. <i>Microchemical Journal</i> , 2015, 122, 176-188.	2.3	22
42	Chemotaxonomic application of Py-GC/MS: Identification of lacquer trees. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010, 89, 117-121.	2.6	21
43	Assessment of High Temperature Effects on Grain Yield and Composition in Bread Wheat Commercial Varieties. <i>Agronomy</i> , 2020, 10, 499.	1.3	21
44	Wood Chemistry in Relation to Quality. <i>ChemInform</i> , 2004, 35, no.	0.1	19
45	Application of near infrared spectroscopy and multivariate data analysis for the evaluation of glue lines of untreated and copper azole treated laminated timber before and after ageing. <i>Polymer Degradation and Stability</i> , 2009, 94, 1061-1071.	2.7	18
46	Genetic variation of chemical and mechanical traits of maritime pine (<i>Pinus pinaster</i> Aiton). Correlations with wood density components. <i>Annals of Forest Science</i> , 2011, 68, 255-265.	0.8	16
47	Pilot study for MDF manufacture from sugarcane bagasse and eucalyptus fibers. <i>European Journal of Wood and Wood Products</i> , 2012, 70, 537-539.	1.3	16
48	Assessment of resin formulations and determination of the formaldehyde to urea molar ratio by near infrared spectroscopy and multivariate data analysis. <i>Journal of Applied Polymer Science</i> , 2013, 128, 498-508.	1.3	13
49	Oil Content Estimation of Individual Kernels of <i>Quercus ilex</i> Subsp. <i>Rotundifolia</i> [(Lam) O. Schwarz] Acorns by Fourier Transform near Infrared Spectroscopy and Partial Least Squares Regression. <i>Journal of Near Infrared Spectroscopy</i> , 2007, 15, 247-260.	0.8	12
50	Resistance of Rice Varieties to the Stored-Product Insect, <i>Sitophilus zeamais</i> (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	0.8	12
51	Impact of solar activity on the growth of pine trees: case study. <i>European Journal of Forest Research</i> , 2014, 133, 639-648.	1.1	11
52	Impact of RAV1-engineering on poplar biomass production: a short-rotation coppice field trial. <i>Biotechnology for Biofuels</i> , 2017, 10, 110.	6.2	11
53	Calibration of near infrared spectroscopy for solid fat content of fat blends analysis using nuclear magnetic resonance data. <i>Analytica Chimica Acta</i> , 2005, 544, 213-218.	2.6	10
54	<i>Eucalyptus</i> Cell Wall Architecture: Clues for Lignocellulosic Biomass Deconstruction. <i>Bioenergy Research</i> , 2016, 9, 969-979.	2.2	10

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55	Improving spatial synchronization between X-ray and near-infrared spectra information to predict wood density profiles. <i>Wood Science and Technology</i> , 2020, 54, 1151-1164.	1.4	9
56	Flavonoid Supplementation Reduces the Extractive Content and Increases the Syringyl/Guaiacyl Ratio in <i>Eucalyptus grandis</i> x <i>Eucalyptus urophylla</i> Hybrid Trees. <i>BioResources</i> , 2013, 8, .	0.5	9
57	Kappa Number Prediction of <i>Acacia melanoxylon</i> Unbleached Kraft Pulps using NIR-PLSR Models with a Narrow Interval of Variation. <i>BioResources</i> , 2014, 9, .	0.5	8
58	Prediction of Wood Density Using near Infrared-Based Partial Least Squares Regression Models Calibrated with X-Ray Microdensity. <i>NIR News</i> , 2013, 24, 4-8.	1.6	7
59	Predicting the lignin H/G ratio of <i>Pinus sylvestris</i> L. wood samples by PLS-R models based on near-infrared spectroscopy. <i>Holzforschung</i> , 2020, 74, 655-662.	0.9	6
60	Physical, chemical and mechanical wood properties of <i>Pinus nigra</i> growing in Portugal. <i>Annals of Forest Science</i> , 2020, 77, 1.	0.8	6
61	Assessment of Four Portuguese Wheat Landrace Diversity to Cope With Global Warming. <i>Frontiers in Plant Science</i> , 2020, 11, 594977.	1.7	6
62	Characterization of residual lignin in cellulose isolated by the diglyme method from three <i>Pinus</i> species by IR spectroscopy and analytical pyrolysis. <i>Holzforschung</i> , 2018, 72, 91-96.	0.9	5
63	Assessment of eucalypts wood lignin content by analytical pyrolysis, comparison with Klason and total lignin contents. <i>Journal of Wood Chemistry and Technology</i> , 0, , 1-7.	0.9	4
64	Determination of extractive content in <i>Cupressus sempervirens</i> wood through a NIRS-PLSR model and its correlation with durability. <i>International Biodeterioration and Biodegradation</i> , 2021, 162, 105247.	1.9	1
65	Prediction of the extractives content of <i>Eucalyptus globulus</i> wood using NIR-based PLS-R models. Influence of spectral range and preprocessing on the percentage of outliers detected. <i>Journal of Wood Chemistry and Technology</i> , 2022, 42, 352-360.	0.9	1
66	Correlation between lignin content and syringyl-to-guaiacyl (S/G) ratio of <i>Eucalyptus globulus</i> wood. <i>Holzforschung</i> , 2022, .	0.9	1
67	Study of the red lacquer from a pair of Namban stirrups by Py-GC/MS. <i>Conservar Patrimônio</i> , 0, 9, 57-66.	0.5	0