

Carlos Pascoal Neto

List of Publications by Year in descending order

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188
papers

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18482
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times ranked

11259
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#	ARTICLE	IF	CITATIONS
1	The furan counterpart of poly(ethylene terephthalate): An alternative material based on renewable resources. <i>Journal of Polymer Science Part A</i> , 2009, 47, 295-298.	2.3	425
2	Antibacterial activity of nanocomposites of silver and bacterial or vegetable cellulosic fibers. <i>Acta Biomaterialia</i> , 2009, 5, 2279-2289.	8.3	262
3	Controlled heterogeneous modification of cellulose fibers with fatty acids: Effect of reaction conditions on the extent of esterification and fiber properties. <i>Journal of Applied Polymer Science</i> , 2006, 100, 1093-1102.	2.6	216
4	Novel transparent nanocomposite films based on chitosan and bacterial cellulose. <i>Green Chemistry</i> , 2009, 11, 2023.	9.0	216
5	Comprehensive Study on the Chemical Structure of Dioxane Lignin from Plantation <i>Eucalyptus globulus</i> Wood. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 4252-4261.	5.2	213
6	Transparent chitosan films reinforced with a high content of nanofibrillated cellulose. <i>Carbohydrate Polymers</i> , 2010, 81, 394-401.	10.2	209
7	Characterization of an acetylated heteroxylan from <i>Eucalyptus globulus</i> Labill. <i>Carbohydrate Research</i> , 2003, 338, 597-604.	2.3	194
8	Bacterial cellulose membranes applied in topical and transdermal delivery of lidocaine hydrochloride and ibuprofen: In vitro diffusion studies. <i>International Journal of Pharmaceutics</i> , 2012, 435, 83-87.	5.2	172
9	Characterization of Phenolic Components in Polar Extracts of <i>Eucalyptus globulus</i> Labill. Bark by High-Performance Liquid Chromatography–Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 9386-9393.	5.2	171
10	New biocomposites based on thermoplastic starch and bacterial cellulose. <i>Composites Science and Technology</i> , 2009, 69, 2163-2168.	7.8	168
11	Utilization of residues from agro-forest industries in the production of high value bacterial cellulose. <i>Bioresource Technology</i> , 2011, 102, 7354-7360.	9.6	167
12	Electrostatic assembly of Ag nanoparticles onto nanofibrillated cellulose for antibacterial paper products. <i>Cellulose</i> , 2012, 19, 1425-1436.	4.9	161
13	Suberin: A promising renewable resource for novel macromolecular materials. <i>Progress in Polymer Science</i> , 2006, 31, 878-892.	24.7	159
14	Production of bacterial cellulose by <i>Gluconacetobacter sacchari</i> using dry olive mill residue. <i>Biomass and Bioenergy</i> , 2013, 55, 205-211.	5.7	153
15	Protein-based materials: from sources to innovative sustainable materials for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3715.	5.8	146
16	<i>Gluconacetobacter sacchari</i> : An efficient bacterial cellulose cell-factory. <i>Carbohydrate Polymers</i> , 2011, 86, 1417-1420.	10.2	140
17	Antibacterial activity of optically transparent nanocomposite films based on chitosan or its derivatives and silver nanoparticles. <i>Carbohydrate Research</i> , 2012, 348, 77-83.	2.3	136
18	Biocellulose Membranes as Supports for Dermal Release of Lidocaine. <i>Biomacromolecules</i> , 2011, 12, 4162-4168.	5.4	129

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19	Transparent bionanocomposites with improved properties prepared from acetylated bacterial cellulose and poly(lactic acid) through a simple approach. <i>Green Chemistry</i> , 2011, 13, 419.	9.0	126
20	Bacterial cellulose membranes as transdermal delivery systems for diclofenac: In vitro dissolution and permeation studies. <i>Carbohydrate Polymers</i> , 2014, 106, 264-269.	10.2	126
21	Alternatives for lignocellulosic pulp delignification using polyoxometalates and oxygen: a review. <i>Green Chemistry</i> , 2007, 9, 717.	9.0	123
22	Antibacterial paper based on composite coatings of nanofibrillated cellulose and ZnO. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 417, 111-119.	4.7	123
23	Titanium dioxide/cellulose nanocomposites prepared by a controlled hydrolysis method. <i>Composites Science and Technology</i> , 2006, 66, 1038-1044.	7.8	117
24	Cork suberin as a new source of chemicals.. <i>International Journal of Biological Macromolecules</i> , 1998, 22, 71-80.	7.5	116
25	Antifungal activity of transparent nanocomposite thin films of pullulan and silver against <i>Aspergillus niger</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 143-148.	5.0	110
26	Pullulanâ€“nanofibrillated cellulose composite films with improved thermal and mechanical properties. <i>Composites Science and Technology</i> , 2012, 72, 1556-1561.	7.8	107
27	Supercritical fluid extraction of phenolic compounds from <i>Eucalyptus globulus</i> Labill bark. <i>Journal of Supercritical Fluids</i> , 2012, 71, 71-79.	3.2	107
28	Surface modification of cellulosic fibres for multi-purpose TiO ₂ based nanocomposites. <i>Composites Science and Technology</i> , 2009, 69, 1051-1056.	7.8	104
29	Antibacterial Activity of Nanocomposites of Copper and Cellulose. <i>BioMed Research International</i> , 2013, 2013, 1-6.	1.9	101
30	<i>Quercus suber</i> and <i>Betula pendula</i> outer barks as renewable sources of oleochemicals: A comparative study. <i>Industrial Crops and Products</i> , 2009, 29, 126-132.	5.2	100
31	(2-O-Î±-d-Galactopyranosyl-4-O-methyl-Î±-d-glucurono)-d-xylan from <i>Eucalyptus globulus</i> Labill. <i>Carbohydrate Research</i> , 1999, 320, 93-99.	2.3	99
32	Phenolic composition and antioxidant activity of <i>Eucalyptus grandis</i> , <i>E. urograndis</i> (<i>E. grandis</i> Ã— <i>E.</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	8.2	98
33	Silverâ€“bacterial cellulosic sponges as active SERS substrates. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 439-443.	2.5	97
34	Novel SiO ₂ /cellulose nanocomposites obtained by in situ synthesis and via polyelectrolytes assembly. <i>Composites Science and Technology</i> , 2008, 68, 1088-1093.	7.8	97
35	Novel bacterial celluloseâ€“acrylic resin nanocomposites. <i>Composites Science and Technology</i> , 2010, 70, 1148-1153.	7.8	96
36	Superhydrophobic cellulose nanocomposites. <i>Journal of Colloid and Interface Science</i> , 2008, 324, 42-46.	9.4	95

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37	Chemical composition and antioxidant activity of phenolic extracts of cork from <i>Quercus suber</i> L.. <i>Industrial Crops and Products</i> , 2010, 31, 521-526.	5.2	95
38	Sustainable nanocomposite films based on bacterial cellulose and pullulan. <i>Cellulose</i> , 2012, 19, 729-737.	4.9	94
39	Chemical characterisation of bark and of alkaline bark extracts from maritime pine grown in Portugal. <i>Industrial Crops and Products</i> , 2002, 16, 23-32.	5.2	93
40	Composites based on acylated cellulose fibers and low-density polyethylene: Effect of the fiber content, degree of substitution and fatty acid chain length on final properties. <i>Composites Science and Technology</i> , 2008, 68, 3358-3364.	7.8	92
41	Phenolic profile of Sercial and Tinta Negra <i>Vitis vinifera</i> L. grape skins by HPLC-ESI-MSn. <i>Food Chemistry</i> , 2012, 135, 94-104.	8.2	91
42	Identification of New Hydroxy Fatty Acids and Ferulic Acid Esters in the Wood of <i>Eucalyptus globulus</i> . <i>Holzforschung</i> , 2002, 56, 143-149.	1.9	90
43	Novel materials based on chitosan and cellulose. <i>Polymer International</i> , 2011, 60, 875-882.	3.1	89
44	Preparation and characterization of bacterial cellulose membranes with tailored surface and barrier properties. <i>Cellulose</i> , 2010, 17, 1203-1211.	4.9	87
45	¹³ C solid-state nuclear magnetic resonance and Fourier transform infrared studies of the thermal decomposition of cork. <i>Solid State Nuclear Magnetic Resonance</i> , 1995, 4, 143-151.	2.3	86
46	Structural Characterization of the Lignin from the Nodes and Internodes of <i>Arundo donax</i> Reed. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 817-824.	5.2	85
47	Composition of Suberin Extracted upon Gradual Alkaline Methanolysis of <i>Quercus suber</i> L. Cork. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 383-391.	5.2	82
48	Lipophilic Extractives of the Inner and Outer Barks of <i>Eucalyptus globulus</i> . <i>Holzforschung</i> , 2002, 56, 372-379.	1.9	82
49	<i>Eucalyptus globulus</i> biomass residues from pulping industry as a source of high value triterpenic compounds. <i>Industrial Crops and Products</i> , 2010, 31, 65-70.	5.2	82
50	Structure of hardwood glucuronoxylans: modifications and impact on pulp retention during wood kraft pulping. <i>Carbohydrate Polymers</i> , 2005, 60, 489-497.	10.2	81
51	Nanostructured Bacterial Cellulose-Poly(4-styrene sulfonic acid) Composite Membranes with High Storage Modulus and Protonic Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7864-7875.	8.0	81
52	Effect of Structural Features of Wood Biopolymers on Hardwood Pulping and Bleaching Performance. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 9777-9784.	3.7	80
53	Electrostatic assembly and growth of gold nanoparticles in cellulosic fibres. <i>Journal of Colloid and Interface Science</i> , 2007, 312, 506-512.	9.4	78
54	High value triterpenic compounds from the outer barks of several <i>Eucalyptus</i> species cultivated in Brazil and in Portugal. <i>Industrial Crops and Products</i> , 2011, 33, 158-164.	5.2	75

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55	Solid-State Nmr Studies Of Wood And Other Lignocellulosic Materials. Annual Reports on NMR Spectroscopy, 1999, , 75-117.	1.5	73
56	Nanostructured Composites Obtained by ATRP Sleeving of Bacterial Cellulose Nanofibers with Acrylate Polymers. Biomacromolecules, 2013, 14, 2063-2073.	5.4	73
57	Surface hydrophobization of bacterial and vegetable cellulose fibers using ionic liquids as solvent media and catalysts. Green Chemistry, 2011, 13, 2464.	9.0	71
58	A ¹³ C solid state nuclear magnetic resonance spectroscopic study of cork cell wall structure: the effect of suberin removal. International Journal of Biological Macromolecules, 1997, 20, 293-305.	7.5	70
59	What Is the Real Value of Chitosan's Surface Energy?. Biomacromolecules, 2008, 9, 610-614.	5.4	70
60	Ultra-high performance liquid chromatography coupled to mass spectrometry applied to the identification of valuable phenolic compounds from Eucalyptus wood. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 938, 65-74.	2.3	70
61	Preparation of highly hydrophobic and lipophobic cellulose fibers by a straightforward gas-solid reaction. Journal of Colloid and Interface Science, 2010, 344, 588-595.	9.4	67
62	Optimization of the supercritical fluid extraction of triterpenic acids from Eucalyptus globulus bark using experimental design. Journal of Supercritical Fluids, 2013, 74, 105-114.	3.2	67
63	Do bacterial cellulose membranes have potential in drug-delivery systems?. Expert Opinion on Drug Delivery, 2014, 11, 1113-1124.	5.0	66
64	Phenolic composition and antioxidant activity of industrial cork by-products. Industrial Crops and Products, 2013, 47, 262-269.	5.2	65
65	Oxidative delignification in the presence of molybdovanadophosphate heteropolyanions: mechanism and kinetic studies. Applied Catalysis A: General, 1998, 167, 123-139.	4.3	63
66	Oxypropylation of Cork and the Use of the Ensuing Polyols in Polyurethane Formulations. Biomacromolecules, 2002, 3, 57-62.	5.4	63
67	Growth, Structural, and Optical Characterization of ZnO-Coated Cellulosic Fibers. Crystal Growth and Design, 2009, 9, 386-390.	3.0	63
68	Phenolic constituents from the core of Kenaf (Hibiscus cannabinus). Phytochemistry, 2001, 56, 759-767.	2.9	62
69	Chemical composition and structural features of the macromolecular components of Hibiscus cannabinus grown in Portugal. Industrial Crops and Products, 1996, 5, 189-196.	5.2	61
70	Variations in chemical composition and structure of macromolecular components in different morphological regions and maturity stages of Arundo donax. Industrial Crops and Products, 1997, 6, 51-58.	5.2	61
71	Isolation and structural characterization of polysaccharides dissolved in Eucalyptus globulus kraft black liquors. Carbohydrate Polymers, 2005, 60, 77-85.	10.2	61
72	Highly Hydrophobic Biopolymers Prepared by the Surface Pentafluorobenzoylation of Cellulose Substrates. Biomacromolecules, 2007, 8, 1347-1352.	5.4	61

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73	Variability of cork from Portuguese <i>Quercus suber</i> studied by solid-state ^{13}C -NMR and FTIR spectroscopies. <i>Biopolymers</i> , 2001, 62, 268-277.	2.4	60
74	Triterpenic and Other Lipophilic Components from Industrial Cork Byproducts. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 6888-6893.	5.2	60
75	Topical caffeine delivery using biocellulose membranes: a potential innovative system for cellulite treatment. <i>Cellulose</i> , 2014, 21, 665-674.	4.9	59
76	Synthesis and characterization of new CaCO_3 /cellulose nanocomposites prepared by controlled hydrolysis of dimethylcarbonate. <i>Carbohydrate Polymers</i> , 2010, 79, 1150-1156.	10.2	58
77	Ecopolyol Production from Industrial Cork Powder via Acid Liquefaction Using Polyhydric Alcohols. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 846-854.	6.7	58
78	Lignanamides and other phenolic constituents from the bark of kenaf (<i>Hibiscus cannabinus</i>). <i>Phytochemistry</i> , 2001, 58, 1219-1223.	2.9	57
79	The role of nanocellulose fibers, starch and chitosan on multipolysaccharide based films. <i>Cellulose</i> , 2013, 20, 1807-1818.	4.9	57
80	Surface characterization by XPS, contact angle measurements and ToF-SIMS of cellulose fibers partially esterified with fatty acids. <i>Journal of Colloid and Interface Science</i> , 2006, 301, 205-209.	9.4	56
81	An Efficient Method for Determination of the Degree of Substitution of Cellulose Esters of Long Chain Aliphatic Acids. <i>Cellulose</i> , 2005, 12, 449-458.	4.9	53
82	BEHAVIOR OF EUCALYPTUS GLOBULUS LIGNIN DURING KRAFT PULPING. II. ANALYSIS BY NMR, ESI/MS, AND GPC. <i>Journal of Wood Chemistry and Technology</i> , 2002, 22, 109-125.	1.7	52
83	Production of Coated Papers with Improved Properties by Using a Water-Soluble Chitosan Derivative. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 6432-6438.	3.7	51
84	Valorization of olive mill residues: Antioxidant and breast cancer antiproliferative activities of hydroxytyrosol-rich extracts derived from olive oil by-products. <i>Industrial Crops and Products</i> , 2013, 46, 359-368.	5.2	51
85	Urethanes and polyurethanes from suberin: 1. Kinetic study. <i>Industrial Crops and Products</i> , 1997, 6, 163-167.	5.2	50
86	Lignin aerobic oxidation promoted by molybdovanadophosphate polyanion $[\text{PMo}_7\text{V}_5\text{O}_{40}]^{8-}$. Study on the oxidative cleavage of 1,2-O-4 aryl ether structures using model compounds. <i>Journal of Molecular Catalysis A</i> , 2000, 154, 217-224.	4.8	50
87	Effect of oxygen, ozone and hydrogen peroxide bleaching stages on the contents and composition of extractives of <i>Eucalyptus globulus</i> kraft pulps. <i>Bioresource Technology</i> , 2006, 97, 420-428.	9.6	49
88	Supercritical Fluid Extraction of <i>Eucalyptus globulus</i> Bark – A Promising Approach for Triterpenoid Production. <i>International Journal of Molecular Sciences</i> , 2012, 13, 7648-7662.	4.1	49
89	Novel suberin-based biopolyesters: From synthesis to properties. <i>Journal of Polymer Science Part A</i> , 2011, 49, 2281-2291.	2.3	48
90	Bioactive Triterpenic Acids: From Agroforestry Biomass Residues to Promising Therapeutic Tools. <i>Mini-Reviews in Organic Chemistry</i> , 2014, 11, 382-399.	1.3	48

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91	Miscanthus x giganteus Extractives: A Source of Valuable Phenolic Compounds and Sterols. Journal of Agricultural and Food Chemistry, 2009, 57, 3626-3631.	5.2	47
92	Synthesis and Characterization of Novel Biopolyesters from Suberin and Model Comonomers. ChemSusChem, 2008, 1, 1020-1025.	6.8	45
93	The bulk oxypropylation of chitin and chitosan and the characterization of the ensuing polyols. Green Chemistry, 2008, 10, 93-97.	9.0	45
94	Cork suberin as a new source of chemicals: 2. Crystallinity, thermal and rheological properties. Bioresource Technology, 1998, 63, 153-158.	9.6	44
95	Enzymatic isolation and structural characterisation of polymeric suberin of cork from Quercus suber L.. International Journal of Biological Macromolecules, 2001, 28, 107-119.	7.5	43
96	Urethanes and polyurethanes from suberin 2: synthesis and characterization. Industrial Crops and Products, 1999, 10, 1-10.	5.2	41
97	Chemical composition of the epicuticular wax from the fruits of Eucalyptus globulus. Phytochemical Analysis, 2005, 16, 364-369.	2.4	41
98	Characterization and evaluation of the hydrolytic stability of trifluoroacetylated cellulose fibers. Journal of Colloid and Interface Science, 2007, 316, 360-366.	9.4	41
99	Chemical Composition and Structural Features of the Macromolecular Components of Plantation Acacia mangium Wood. Journal of Agricultural and Food Chemistry, 2005, 53, 7856-7862.	5.2	40
100	Preparation and evaluation of the barrier properties of cellophane membranes modified with fatty acids. Carbohydrate Polymers, 2011, 83, 836-842.	10.2	40
101	Oxygen bleaching of kraft pulp catalysed by Mn(III)-substituted polyoxometalates. Applied Catalysis A: General, 2003, 239, 157-168.	4.3	39
102	Growth of BiVO ₄ particles in cellulosic fibres by in situ reaction. Dyes and Pigments, 2005, 65, 125-127.	3.7	39
103	Novel sustainable composites prepared from cork residues and biopolymers. Biomass and Bioenergy, 2013, 55, 148-155.	5.7	39
104	Carbohydrate-Derived Chlorinated Compounds in ECF Bleaching of Hardwood Pulps: Formation, Degradation, and Contribution To AOX in a Bleached Kraft Pulp Mill. Environmental Science & Technology, 2003, 37, 811-814.	10.0	38
105	Biocompatible Bacterial Cellulose-Poly(2-hydroxyethyl methacrylate) Nanocomposite Films. BioMed Research International, 2013, 2013, 1-14.	1.9	38
106	Spent coffee grounds as a renewable source for ecopolyols production. Journal of Chemical Technology and Biotechnology, 2015, 90, 1480-1488.	3.2	38
107	Growth and Chemical Stability of Copper Nanostructures on Cellulosic Fibers. European Journal of Inorganic Chemistry, 2012, 2012, 5043-5049.	2.0	37
108	Unveiling the Chemistry behind the Green Synthesis of Metal Nanoparticles. ChemSusChem, 2014, 7, 2704-2711.	6.8	37

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109	Cellulose degradation in the reaction system O ₂ /heteropolyanions of series [PMo(12- <i>n</i>)VnO ₄₀](3+ <i>n</i>) ⁻ . Carbohydrate Polymers, 2000, 43, 23-32.	10.2	36
110	Preparation and characterization of novel highly omniphobic cellulose fibers organic-inorganic hybrid materials. Carbohydrate Polymers, 2010, 80, 1048-1056.	10.2	36
111	<i>Eucalyptus globulus</i> Bark as Source of Tannin Extracts for Application in Leather industry. ACS Sustainable Chemistry and Engineering, 2013, 1, 950-955.	6.7	36
112	In situ synthesis of bacterial cellulose/polycaprolactone blends for hot pressing nanocomposite films production. Carbohydrate Polymers, 2015, 132, 400-408.	10.2	36
113	Structural Characterization of the Bark and Core Lignins from Kenaf (<i>Hibiscus cannabinus</i>). Journal of Agricultural and Food Chemistry, 1998, 46, 3100-3108.	5.2	35
114	Chemical composition of the light petroleum extract of <i>Hibiscus cannabinus</i> bark and core. Phytochemical Analysis, 2000, 11, 345-350.	2.4	34
115	The oxypropylation of cork residues: preliminary results. Bioresource Technology, 2000, 73, 187-189.	9.6	34
116	BEHAVIOR OF <i>EUCALYPTUS GLOBULUS</i> LIGNIN DURING KRAFT PULPING. I. ANALYSIS BY CHEMICAL DEGRADATION METHODS. Journal of Wood Chemistry and Technology, 2002, 22, 93-108.	1.7	34
117	Polyoxometalate-Catalyzed Oxygen Delignification of Kraft Pulp: A Pilot-Plant Experience. Industrial & Engineering Chemistry Research, 2004, 43, 7754-7761.	3.7	34
118	Measurement and modeling of supercritical fluid extraction curves of <i>Eucalyptus globulus</i> bark: Influence of the operating conditions upon yields and extract composition. Journal of Supercritical Fluids, 2012, 72, 176-185.	3.2	34
119	Characterization of the Cork Surface by Inverse Gas Chromatography. Journal of Colloid and Interface Science, 1995, 174, 246-249.	9.4	33
120	Surface Properties of Suberin. Journal of Colloid and Interface Science, 1997, 187, 498-508.	9.4	33
121	Urethanes and polyurethanes based on oxypropylated cork: 1. Appraisal and reactivity of products. Polymer International, 2001, 50, 1150-1155.	3.1	33
122	Lignin Degradation in Oxygen Delignification Catalysed by [PMo ₇ V ₅ O ₄₀] ⁸⁻ Polyanion. Part II. Study on Lignin Monomeric Model Compounds. Holzforschung, 2000, 54, 511-518.	1.9	32
123	Reversible hydrophobization and lipophobization of cellulose fibers via trifluoroacetylation. Journal of Colloid and Interface Science, 2006, 301, 333-336.	9.4	32
124	Lignin Degradation in Oxygen Delignification Catalysed by [PMo ₇ V ₅ O ₄₀] ⁸⁻ Polyanion. Part I. Study on Wood Lignin. Holzforschung, 2000, 54, 381-389.	1.9	31
125	Novel cellulose-based composites based on nanofibrillated plant and bacterial cellulose: recent advances at the University of Aveiro – a review. Holzforschung, 2013, 67, 603-612.	1.9	31
126	Lipophilic extractives from the bark of <i>Eucalyptus grandis</i> x <i>globulus</i> , a rich source of methyl morolate: Selective extraction with supercritical CO ₂ . Industrial Crops and Products, 2013, 43, 340-348.	5.2	31

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127	Comparative study of lipophilic extractives of hardwoods and corresponding ECF bleached kraft pulps. <i>BioResources</i> , 2006, 1, 3-17.	1.0	31
128	Electrospray tandem mass spectrometry of underivatized acetylated xylo-oligosaccharides. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 3589-3599.	1.5	30
129	Photodegradation of the fungicide thiram in aqueous solutions. Kinetic studies and identification of the photodegradation products by HPLC-MS/MS. <i>Chemosphere</i> , 2013, 91, 993-1001.	8.2	30
130	A study of the distribution of chitosan onto and within a paper sheet using a fluorescent chitosan derivative. <i>Carbohydrate Polymers</i> , 2009, 78, 760-766.	10.2	29
131	Suberin of Potato (<i>Solanum tuberosum</i> Var. Nikola): Comparison of the Effect of Cutinase CcCut1 with Chemical Depolymerization. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 9016-9027.	5.2	29
132	Synthesis of aliphatic suberin-like polyesters by ecofriendly catalytic systems. <i>High Performance Polymers</i> , 2012, 24, 4-8.	1.8	29
133	Lipophilic Extractives in <i>Eucalyptus globulus</i> Kraft Pulps. Behavior during ECF Bleaching. <i>Journal of Wood Chemistry and Technology</i> , 2005, 25, 67-80.	1.7	28
134	2D-NMR (HSQC) difference spectra between specifically ¹³ C-enriched and unenriched protolignin of <i>Ginkgo biloba</i> obtained in the solution state of whole cell wall material. <i>Holzforschung</i> , 2009, 63, .	1.9	28
135	Secondary metabolites from <i>Eucalyptus grandis</i> wood cultivated in Portugal, Brazil and South Africa. <i>Industrial Crops and Products</i> , 2017, 95, 357-364.	5.2	28
136	Bi-phobic Cellulose Fibers Derivatives via Surface Trifluoropropanoylation. <i>Langmuir</i> , 2007, 23, 10801-10806.	3.5	27
137	Hydroperoxide production from linoleic acid by heterologous <i>Gaeumannomyces graminis tritici</i> lipooxygenase: Optimization and scale-up. <i>Chemical Engineering Journal</i> , 2013, 217, 82-90.	12.7	26
138	Transition metal substituted polyoxotungstates for the oxygen delignification of kraft pulp. <i>Applied Catalysis A: General</i> , 2005, 295, 134-141.	4.3	24
139	Spectral editing of ¹³ C CP/MAS NMR spectra of complex systems: application to the structural characterisation of cork cell walls. <i>Solid State Nuclear Magnetic Resonance</i> , 2000, 16, 109-121.	2.3	23
140	Cork suberin as an additive in offset lithographic printing inks. <i>Industrial Crops and Products</i> , 2000, 11, 63-71.	5.2	23
141	Bulk and surface composition of ECF bleached hardwood kraft pulp fibres. <i>Nordic Pulp and Paper Research Journal</i> , 2004, 19, 513-520.	0.7	22
142	Identification of ¹³ C phytosterols and phytosteryl glucosides in the wood and bark of several <i>Acacia</i> species. <i>Lipids</i> , 2005, 40, 317-322.	1.7	22
143	Chemical composition of oleo-gum-resin from <i>Ferula gummosa</i> . <i>Industrial Crops and Products</i> , 2011, 33, 549-553.	5.2	22
144	Polyoxometalates as mediators in the laccase catalyzed delignification. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001, 16, 131-140.	1.8	21

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145	NEW LIPOPHILIC COMPONENTS OF PITCH DEPOSITS FROM ANEUCALYPTUS GLOBULUSECF BLEACHED KRAFT PULP MILL. Journal of Wood Chemistry and Technology, 2002, 22, 55-66.	1.7	21
146	Structural differentiation of uronosyl substitution patterns in acidic heteroxylans by electrospray tandem mass spectrometry. Journal of the American Society for Mass Spectrometry, 2004, 15, 43-47.	2.8	21
147	Screening of lipophilic and phenolic extractives from different morphological parts of Halimione portulacoides. Industrial Crops and Products, 2014, 52, 373-379.	5.2	21
148	Effect of cationization pretreatment on the properties of cationic Eucalyptus micro/nanofibrillated cellulose. International Journal of Biological Macromolecules, 2022, 201, 468-479.	7.5	20
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