Carlos Pascoal Neto

List of Publications by Year
in descending order

188 papers	11,420 citations	18436 62 h-index	38300 95 g-index
191 all docs	191 docs citations	191 times ranked	11259 citing authors

#	Article	IF	Citations
1	The furan counterpart of poly(ethylene terephthalate): An alternative material based on renewable resources. Journal of Polymer Science Part A, 2009, 47, 295-298.	2.5	425
2	Antibacterial activity of nanocomposites of silver and bacterial or vegetable cellulosic fibers. Acta Biomaterialia, 2009, 5, 2279-2289.	4.1	262
3	Controlled heterogeneous modification of cellulose fibers with fatty acids: Effect of reaction conditions on the extent of esterification and fiber properties. Journal of Applied Polymer Science, 2006, 100, 1093-1102.	1.3	216
4	Novel transparent nanocomposite films based on chitosan and bacterial cellulose. Green Chemistry, 2009, 11, 2023.	4.6	216
5	Comprehensive Study on the Chemical Structure of Dioxane Lignin from PlantationEucalyptus globulusWood. Journal of Agricultural and Food Chemistry, 2001, 49, 4252-4261.	2.4	213
6	Transparent chitosan films reinforced with a high content of nanofibrillated cellulose. Carbohydrate Polymers, 2010, 81, 394-401.	5.1	209
7	Characterization of an acetylated heteroxylan from Eucalyptus globulus Labill. Carbohydrate Research, 2003, 338, 597-604.	1.1	194
8	Bacterial cellulose membranes applied in topical and transdermal delivery of lidocaine hydrochloride and ibuprofen: In vitro diffusion studies. International Journal of Pharmaceutics, 2012, 435, 83-87.	2.6	172
9	Characterization of Phenolic Components in Polar Extracts of Eucalyptus globulus Labill. Bark by High-Performance Liquid Chromatographyâ€“Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2011, 59, 9386-9393.	2.4	171
10	New biocomposites based on thermoplastic starch and bacterial cellulose. Composites Science and Technology, 2009, 69, 2163-2168.	3.8	168
11	Utilization of residues from agro-forest industries in the production of high value bacterial cellulose. Bioresource Technology, 2011, 102, 7354-7360.	4.8	167
12	Electrostatic assembly of Ag nanoparticles onto nanofibrillated cellulose for antibacterial paper products. Cellulose, 2012, 19, 1425-1436.	2.4	161
13	Suberin: A promising renewable resource for novel macromolecular materials. Progress in Polymer Science, 2006, 31, 878-892.	11.8	159
14	Production of bacterial cellulose by Gluconacetobacter sacchari using dry olive mill residue. Biomass and Bioenergy, 2013, 55, 205-211.	2.9	153
15	Protein-based materials: from sources to innovative sustainable materials for biomedical applications. Journal of Materials Chemistry B, 2014, 2, 3715.	2.9	146
16	Gluconacetobacter sacchari: An efficient bacterial cellulose cell-factory. Carbohydrate Polymers, 2011, 86, 1417-1420.	5.1	140
17	Antibacterial activity of optically transparent nanocomposite films based on chitosan or its derivatives and silver nanoparticles. Carbohydrate Research, 2012, 348, 77-83.	1.1	136
18	Biocellulose Membranes as Supports for Dermal Release of Lidocaine. Biomacromolecules, 2011, 12, 4162-4168.	2.6	129

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19	Transparent bionanocomposites with improved properties prepared from acetylated bacterial cellulose and poly(lactic acid) through a simple approach. Green Chemistry, 2011, 13, 419.	4.6	126
20	Bacterial cellulose membranes as transdermal delivery systems for diclofenac: In vitro dissolution and permeation studies. Carbohydrate Polymers, 2014, 106, 264-269.	5.1	126
21	Alternatives for lignocellulosic pulp delignification using polyoxometalates and oxygen: a review. Green Chemistry, 2007, 9, 717.	4.6	123
22	Antibacterial paper based on composite coatings of nanofibrillated cellulose and ZnO. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 417, 111-119.	2.3	123
23	Titanium dioxide/cellulose nanocomposites prepared by a controlled hydrolysis method. Composites Science and Technology, 2006, 66, 1038-1044.	3.8	117
24	Cork suberin as a new source of chemicals.. International Journal of Biological Macromolecules, 1998, 22, 71-80.	3.6	116
25	Antifungal activity of transparent nanocomposite thin films of pullulan and silver against Aspergillus niger. Colloids and Surfaces B: Biointerfaces, 2013, 103, 143-148.	2.5	110
26	Pullulanâ€"nanofibrillated cellulose composite films with improved thermal and mechanical properties. Composites Science and Technology, 2012, 72, 1556-1561.	3.8	107
27	Supercritical fluid extraction of phenolic compounds from Eucalyptus globulus Labill bark. Journal of Supercritical Fluids, 2012, 71, 71-79.	1.6	107
28	Surface modification of cellulosic fibres for multi-purpose TiO2 based nanocomposites. Composites Science and Technology, 2009, 69, 1051-1056.	3.8	104
29	Antibacterial Activity of Nanocomposites of Copper and Cellulose. BioMed Research International, 2013, 2013, 1-6.	0.9	101
30	Quercus suber and Betula pendula outer barks as renewable sources of oleochemicals: A comparative study. Industrial Crops and Products, 2009, 29, 126-132.	2.5	100
31	(2-O-Î±-d-Galactopyranosyl-4-O-methyl-Î±-d-glucurono)-d-xylan from Eucalyptus globulus Labill. Carbohydrate Research, 1999, 320, 93-99.	1.1	99
32	Phenolic composition and antioxidant activity of Eucalyptus grandis, E. urograndis (E. grandisÃ—E.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.5	98
33	Silverâ€bacterial cellulosic sponges as active SERS substrates. Journal of Raman Spectroscopy, 2008, 39, 439-443.	1.2	97
34	Novel SiO2/cellulose nanocomposites obtained by in situ synthesis and via polyelectrolytes assembly. Composites Science and Technology, 2008, 68, 1088-1093.	3.8	97
35	Novel bacterial celluloseâ€"acrylic resin nanocomposites. Composites Science and Technology, 2010, 70, 1148-1153.	3.8	96
36	Superhydrophobic cellulose nanocomposites. Journal of Colloid and Interface Science, 2008, 324, 42-46.	5.0	95

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37	Chemical composition and antioxidant activity of phenolic extracts of cork from Quercus suber L.. Industrial Crops and Products, 2010, 31, 521-526.	2.5	95
38	Sustainable nanocomposite films based on bacterial cellulose and pullulan. Cellulose, 2012, 19, 729-737.	2.4	94
39	Chemical characterisation of bark and of alkaline bark extracts from maritime pine grown in Portugal. Industrial Crops and Products, 2002, 16, 23-32.	2.5	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. Composites Science and Technology, 2008, 68, 3358-3364.	3.8	92
41	Phenolic profile of Sercial and Tinta Negra Vitis vinifera L. grape skins by HPLCâ€“DADâ€“ESI-MSn. Food Chemistry, 2012, 135, 94-104.	4.2	91
42	Identification of New Hydroxy Fatty Acids and Ferulic Acid Esters in the Wood of Eucalyptus globulus. Holzforschung, 2002, 56, 143-149.	0.9	90
43	Novel materials based on chitosan and cellulose. Polymer International, 2011, 60, 875-882.	1.6	89
44	Preparation and characterization of bacterial cellulose membranes with tailored surface and barrier properties. Cellulose, 2010, 17, 1203-1211.	2.4	87
45	13C solid-state nuclear magnetic resonance and Fourier transform infrared studies of the thermal decomposition of cork. Solid State Nuclear Magnetic Resonance, 1995, 4, 143-151.	1.5	86
46	Structural Characterization of the Lignin from the Nodes and Internodes ofArundo donaxReed. Journal of Agricultural and Food Chemistry, 2000, 48, 817-824.	2.4	85
47	Composition of Suberin Extracted upon Gradual Alkaline Methanolysis ofQuercus suberL. Cork. Journal of Agricultural and Food Chemistry, 2000, 48, 383-391.	2.4	82
48	Lipophilic Extractives of the Inner and Outer Barks of Eucalyptus globulus. Holzforschung, 2002, 56, 372-379.	0.9	82
49	Eucalyptus globulus biomass residues from pulping industry as a source of high value triterpenic compounds. Industrial Crops and Products, 2010, 31, 65-70.	2.5	82
50	Structure of hardwood glucuronoxylans: modifications and impact on pulp retention during wood kraft pulping. Carbohydrate Polymers, 2005, 60, 489-497.	5.1	81
51	Nanostructured Bacterial Celluloseâ€“Poly(4-styrene sulfonic acid) Composite Membranes with High Storage Modulus and Protonic Conductivity. ACS Applied Materials & Interfaces, 2014, 6, 7864-7875.	4.0	81
52	Effect of Structural Features of Wood Biopolymers on Hardwood Pulping and Bleaching Performance. Industrial & Engineering Chemistry Research, 2005, 44, 9777-9784.	1.8	80
53	Electrostatic assembly and growth of gold nanoparticles in cellulosic fibres. Journal of Colloid and Interface Science, 2007, 312, 506-512.	5.0	78
54	High value triterpenic compounds from the outer barks of several Eucalyptus species cultivated in Brazil and in Portugal. Industrial Crops and Products, 2011, 33, 158-164.	2.5	75

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55	Solid-State Nmr Studies Of Wood And Other Lignocellulosic Materials. Annual Reports on NMR Spectroscopy, 1999, , 75-117.	0.7	73
56	Nanostructured Composites Obtained by ATRP Sleeving of Bacterial Cellulose Nanofibers with Acrylate Polymers. Biomacromolecules, 2013, 14, 2063-2073.	2.6	73
57	Surface hydrophobization of bacterial and vegetable cellulose fibers using ionic liquids as solvent media and catalysts. Green Chemistry, 2011, 13, 2464.	4.6	71
58	A 13C 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.	3.6	70
59	What Is the Real Value of Chitosanâ€™s Surface Energy?. Biomacromolecules, 2008, 9, 610-614.	2.6	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.	1.2	70
61	Preparation of highly hydrophobic and lipophobic cellulose fibers by a straightforward gasâ€“solid reaction. Journal of Colloid and Interface Science, 2010, 344, 588-595.	5.0	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.	1.6	67
63	Do bacterial cellulose membranes have potential in drug-delivery systems?. Expert Opinion on Drug Delivery, 2014, 11, 1113-1124.	2.4	66
64	Phenolic composition and antioxidant activity of industrial cork by-products. Industrial Crops and Products, 2013, 47, 262-269.	2.5	65
65	Oxidative delignification in the presence of molybdovanadophosphate heteropolyanions: mechanism and kinetic studies. Applied Catalysis A: General, 1998, 167, 123-139.	2.2	63
66	Oxypropylation of Cork and the Use of the Ensuing Polyols in Polyurethane Formulations. Biomacromolecules, 2002, 3, 57-62.	2.6	63
67	Growth, Structural, and Optical Characterization of ZnO-Coated Cellulosic Fibers. Crystal Growth and Design, 2009, 9, 386-390.	1.4	63
68	Phenolic constituents from the core of Kenaf (Hibiscus cannabinus). Phytochemistry, 2001, 56, 759-767.	1.4	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.	2.5	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.	2.5	61
71	Isolation and structural characterization of polysaccharides dissolved in Eucalyptus globulus kraft black liquors. Carbohydrate Polymers, 2005, 60, 77-85.	5.1	61
72	Highly Hydrophobic Biopolymers Prepared by the Surface Pentafluorobenzoylation of Cellulose Substrates. Biomacromolecules, 2007, 8, 1347-1352.	2.6	61

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73	Variability of cork from PortugueseQuercus suber studied by solid-state13C-NMR and FTIR spectroscopies. Biopolymers, 2001, 62, 268-277.	1.2	60
74	Triterpenic and Other Lipophilic Components from Industrial Cork Byproducts. Journal of Agricultural and Food Chemistry, 2006, 54, 6888-6893.	2.4	60
75	Topical caffeine delivery using biocellulose membranes: a potential innovative system for cellulite treatment. Cellulose, 2014, 21, 665-674.	2.4	59
76	Synthesis and characterization of new CaCO3/cellulose nanocomposites prepared by controlled hydrolysis of dimethylcarbonate. Carbohydrate Polymers, 2010, 79, 1150-1156.	5.1	58
77	Ecopolyol Production from Industrial Cork Powder via Acid Liquefaction Using Polyhydric Alcohols. ACS Sustainable Chemistry and Engineering, 2014, 2, 846-854.	3.2	58
78	Lignanamides and other phenolic constituents from the bark of kenaf (Hibiscus cannabinus). Phytochemistry, 2001, 58, 1219-1223.	1.4	57
79	The role of nanocellulose fibers, starch and chitosan on multipolysaccharide based films. Cellulose, 2013, 20, 1807-1818.	2.4	57
80	Surface characterization by XPS, contact angle measurements and ToF-SIMS of cellulose fibers partially esterified with fatty acids. Journal of Colloid and Interface Science, 2006, 301, 205-209.	5.0	56
81	An Efficient Method for Determination of the Degree of Substitution of Cellulose Esters of Long Chain Aliphatic Acids. Cellulose, 2005, 12, 449-458.	2.4	53
82	BEHAVIOR OFEUCALYPTUS GLOBULUSLIGNIN DURING KRAFT PULPING. II. ANALYSIS BY NMR, ESI/MS, AND GPC. Journal of Wood Chemistry and Technology, 2002, 22, 109-125.	0.9	52
83	Production of Coated Papers with Improved Properties by Using a Water-Soluble Chitosan Derivative. Industrial & Engineering Chemistry Research, 2010, 49, 6432-6438.	1.8	51
84	Valorization of olive mill residues: Antioxidant and breast cancer antiproliferative activities of hydroxytyrosol-rich extracts derived from olive oil by-products. Industrial Crops and Products, 2013, 46, 359-368.	2.5	51
85	Urethanes and polyurethanes from suberin: 1. Kinetic study. Industrial Crops and Products, 1997, 6, 163-167.	2.5	50
86	Lignin aerobic oxidation promoted by molybdovanadophosphate polyanion [PMo7V5O40]8â^'. Study on the oxidative cleavage of Î²-O-4 aryl ether structures using model compounds. Journal of Molecular Catalysis A, 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 Eucalyptus globulus kraft pulps. Bioresource Technology, 2006, 97, 420-428.	4.8	49
88	Supercritical Fluid Extraction of Eucalyptus globulus Barkâ€"A Promising Approach for Triterpenoid Production. International Journal of Molecular Sciences, 2012, 13, 7648-7662.	1.8	49
89	Novel suberinâ€based biopolyesters: From synthesis to properties. Journal of Polymer Science Part A, 2011, 49, 2281-2291.	2.5	48
90	Bioactive Triterpenic Acids: From Agroforestry Biomass Residues to Promising Therapeutic Tools. Mini-Reviews in Organic Chemistry, 2014, 11, 382-399.	0.6	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.	2.4	47
92	Synthesis and Characterization of Novel Biopolyesters from Suberin and Model Comonomers. ChemSusChem, 2008, 1, 1020-1025.	3.6	45
93	The bulk oxypropylation of chitin and chitosan and the characterization of the ensuing polyols. Green Chemistry, 2008, 10, 93-97.	4.6	45
94	Cork suberin as a new source of chemicals: 2. Crystallinity, thermal and rheological properties. Bioresource Technology, 1998, 63, 153-158.	4.8	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.	3.6	43
96	Urethanes and polyurethanes from suberin 2: synthesis and characterization. Industrial Crops and Products, 1999, 10, 1-10.	2.5	41
97	Chemical composition of the epicuticular wax from the fruits ofEucalyptus globulus. Phytochemical Analysis, 2005, 16, 364-369.	1.2	41
98	Characterization and evaluation of the hydrolytic stability of trifluoroacetylated cellulose fibers. Journal of Colloid and Interface Science, 2007, 316, 360-366.	5.0	41
99	Chemical Composition and Structural Features of the Macromolecular Components of PlantationAcacia mangiumWood. Journal of Agricultural and Food Chemistry, 2005, 53, 7856-7862.	2.4	40
100	Preparation and evaluation of the barrier properties of cellophane membranes modified with fatty acids. Carbohydrate Polymers, 2011, 83, 836-842.	5.1	40
101	Oxygen bleaching of kraft pulp catalysed by Mn(III)-substituted polyoxometalates. Applied Catalysis A: General, 2003, 239, 157-168.	2.2	39
102	Growth of BiVO4 particles in cellulosic fibres by in situ reaction. Dyes and Pigments, 2005, 65, 125-127.	2.0	39
103	Novel sustainable composites prepared from cork residues and biopolymers. Biomass and Bioenergy, 2013, 55, 148-155.	2.9	39
104	Carbohydrate-Derived Chlorinated Compounds in ECF Bleaching of Hardwood Pulps:Â Formation, Degradation, and Contribution To AOX in a Bleached Kraft Pulp Mill. Environmental Science & Technology, 2003, 37, 811-814.	4.6	38
105	Biocompatible Bacterial Cellulose-Poly(2-hydroxyethyl methacrylate) Nanocomposite Films. BioMed Research International, 2013, 2013, 1-14.	0.9	38
106	Spent coffee grounds as a renewable source for ecopolyols production. Journal of Chemical Technology and Biotechnology, 2015, 90, 1480-1488.	1.6	38
107	Growth and Chemical Stability of Copper Nanostructures on Cellulosic Fibers. European Journal of Inorganic Chemistry, 2012, 2012, 5043-5049.	1.0	37
108	Unveiling the Chemistry behind the Green Synthesis of Metal Nanoparticles. ChemSusChem, 2014, 7, 2704-2711.	3.6	37

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109	Cellulose degradation in the reaction system O2/heteropolyanions of series [PMo(12â^’n)VnO40](3+n)â^’. Carbohydrate Polymers, 2000, 43, 23-32.	5.1	36
110	Preparation and characterization of novel highly omniphobic cellulose fibers organicâ€“inorganic hybrid materials. Carbohydrate Polymers, 2010, 80, 1048-1056.	5.1	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.	3.2	36
112	In situ synthesis of bacterial cellulose/polycaprolactone blends for hot pressing nanocomposite films production. Carbohydrate Polymers, 2015, 132, 400-408.	5.1	36
113	Structural Characterization of the Bark and Core Lignins from Kenaf (Hibiscus cannabinus). Journal of Agricultural and Food Chemistry, 1998, 46, 3100-3108.	2.4	35
114	Chemical composition of the light petroleum extract ofHibiscus cannabinus bark and core. Phytochemical Analysis, 2000, 11, 345-350.	1.2	34
115	The oxypropylation of cork residues: preliminary results. Bioresource Technology, 2000, 73, 187-189.	4.8	34
116	BEHAVIOR OFEUCALYPTUS GLOBULUSLIGNIN DURING KRAFT PULPING. I. ANALYSIS BY CHEMICAL DEGRADATION METHODS. Journal of Wood Chemistry and Technology, 2002, 22, 93-108.	0.9	34
117	Polyoxometalate-Catalyzed Oxygen Delignification of Kraft Pulp:â€‰ A Pilot-Plant Experience. Industrial & Engineering Chemistry Research, 2004, 43, 7754-7761.	1.8	34
118	Measurement and modeling of supercritical fluid extraction curves of Eucalyptus globulus bark: Influence of the operating conditions upon yields and extract composition. Journal of Supercritical Fluids, 2012, 72, 176-185.	1.6	34
119	Characterization of the Cork Surface by Inverse Gas Chromatography. Journal of Colloid and Interface Science, 1995, 174, 246-249.	5.0	33
120	Surface Properties of Suberin. Journal of Colloid and Interface Science, 1997, 187, 498-508.	5.0	33
121	Urethanes and polyurethanes based on oxypropylated cork: 1. Appraisal and reactivity of products. Polymer International, 2001, 50, 1150-1155.	1.6	33
122	Lignin Degradation in Oxygen Delignification Catalysed by [PMo7V5O40]8- Polyanion. Part II. Study on Lignin Monomeric Model Compounds. Holzforschung, 2000, 54, 511-518.	0.9	32
123	Reversible hydrophobization and lipophobization of cellulose fibers via trifluoroacetylation. Journal of Colloid and Interface Science, 2006, 301, 333-336.	5.0	32
124	Lignin Degradation in Oxygen Delignification Catalysed by [PMo7V5O40]8- Polyanion. Part I. Study on Wood Lignin. Holzforschung, 2000, 54, 381-389.	0.9	31
125	Novel cellulose-based composites based on nanofibrillated plant and bacterial cellulose: recent advances at the University of Aveiro â€“ a review. Holzforschung, 2013, 67, 603-612.	0.9	31
126	Lipophilic extractives from the bark of Eucalyptus grandis x globulus, a rich source of methyl morolate: Selective extraction with supercritical CO2. Industrial Crops and Products, 2013, 43, 340-348.	2.5	31

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127	Comparative study of lipophilic extractives of hardwoods and corresponding ECF bleached kraft pulps. BioResources, 2006, 1, 3-17.	0.5	31
128	Electrospray tandem mass spectrometry of underivatised acetylated xylo-oligosaccharides. Rapid Communications in Mass Spectrometry, 2005, 19, 3589-3599.	0.7	30
129	Photodegradation of the fungicide thiram in aqueous solutions. Kinetic studies and identification of the photodegradation products by HPLCâ€“MS/MS. Chemosphere, 2013, 91, 993-1001.	4.2	30
130	A study of the distribution of chitosan onto and within a paper sheet using a fluorescent chitosan derivative. Carbohydrate Polymers, 2009, 78, 760-766.	5.1	29
131	Suberin of Potato (Solanum tuberosum Var. Nikola): Comparison of the Effect of Cutinase CcCut1 with Chemical Depolymerization. Journal of Agricultural and Food Chemistry, 2009, 57, 9016-9027.	2.4	29
132	Synthesis of aliphatic suberin-like polyesters by ecofriendly catalytic systems. High Performance Polymers, 2012, 24, 4-8.	0.8	29
133	Lipophilic Extractives in<i>Eucalyptus globulus</i>Kraft Pulps. Behavior during ECF Bleaching. Journal of Wood Chemistry and Technology, 2005, 25, 67-80.	0.9	28
134	2D-NMR (HSQC) difference spectra between specifically 13C-enriched and unenriched protolignin of Ginkgo biloba obtained in the solution state of whole cell wall material. Holzforschung, 2009, 63, .	0.9	28
135	Secondary metabolites from Eucalyptus grandis wood cultivated in Portugal, Brazil and South Africa. Industrial Crops and Products, 2017, 95, 357-364.	2.5	28
136	Bi-phobic Cellulose Fibers Derivatives via Surface Trifluoropropanoylation. Langmuir, 2007, 23, 10801-10806.	1.6	27
137	Hydroperoxide production from linoleic acid by heterologous Gaeumannomyces graminis tritici lipoxygenase: Optimization and scale-up. Chemical Engineering Journal, 2013, 217, 82-90.	6.6	26
138	Transition metal substituted polyoxotungstates for the oxygen delignification of kraft pulp. Applied Catalysis A: General, 2005, 295, 134-141.	2.2	24
139	Spectral editing of 13C CP/MAS NMR spectra of complex systems: application to the structural characterisation of cork cell walls. Solid State Nuclear Magnetic Resonance, 2000, 16, 109-121.	1.5	23
140	Cork suberin as an additive in offset lithographic printing inks. Industrial Crops and Products, 2000, 11, 63-71.	2.5	23
141	Bulk and surface composition of ECF bleached hardwood kraft pulp fibres. Nordic Pulp and Paper Research Journal, 2004, 19, 513-520.	0.3	22
142	Identification of Î”7 phytosterols and phytosteryl glucosides in the wood and bark of several Acacia speciesphytosterols and phytosteryl glucosides in the wood and bark of several Acacia species. Lipids, 2005, 40, 317-322.	0.7	22
143	Chemical composition of oleo-gum-resin from Ferula gummosa. Industrial Crops and Products, 2011, 33, 549-553.	2.5	22
144	Polyoxometalates as mediators in the laccase catalyzed delignification. Journal of Molecular Catalysis B: Enzymatic, 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.	0.9	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.	1.2	21
147	Screening of lipophilic and phenolic extractives from different morphological parts of Halimione portulacoides. Industrial Crops and Products, 2014, 52, 373-379.	2.5	21
148	Effect of cationization pretreatment on the properties of cationic Eucalyptus micro/nanofibrillated cellulose. International Journal of Biological Macromolecules, 2022, 201, 468-479.	3.6	20
149	Demonstration of long-chainn-alkyl caffeates and Î”7-steryl glucosides in the bark ofAcacia species by gas chromatographyâ€“mass spectrometry. Phytochemical Analysis, 2007, 18, 151-156.	1.2	19
150	Preparation and characterization of novel biodegradable composites based on acylated cellulose fibers and poly(ethylene sebacate). Composites Science and Technology, 2011, 71, 1908-1913.	3.8	19
151	Oxidized Derivatives of Lipophilic Extractives Formed during Hardwood Kraft Pulp Bleaching. Holzforschung, 2003, 57, 503-512.	0.9	18
152	Chemical composition of the essential oil distilled from the fruits ofEucalyptus globulus grown in Portugal. Flavour and Fragrance Journal, 2005, 20, 407-409.	1.2	18
153	Very high-resolution MAS NMR of a natural polymeric material. Solid State Nuclear Magnetic Resonance, 1999, 15, 59-67.	1.5	17
154	An NMR microscopy study of water absorption in cork. Journal of Materials Science, 2000, 35, 1891-1900.	1.7	17
155	Chemicals Generated During Oxygen-Organosolv Pulping of Wood. Journal of Wood Chemistry and Technology, 1994, 14, 383-402.	0.9	16
156	Cloned Pseudomonas aeruginosa lipoxygenase as efficient approach for the clean conversion of linoleic acid into valuable hydroperoxides. Chemical Engineering Journal, 2013, 231, 519-525.	6.6	16
157	Condensation Reactions of Lignin During Oxygen Delignification Under Acidic Conditions. Journal of Wood Chemistry and Technology, 1997, 17, 41-55.	0.9	15
158	Luminescent Transparent Composite Films Based on Lanthanopolyoxometalates and Filmogenic Polysaccharides. European Journal of Inorganic Chemistry, 2013, 2013, 1890-1896.	1.0	15
159	Effect of Pulping Conditions on the ECF Bleachability ofEucalyptus globulusKraft Pulps. Industrial & Engineering Chemistry Research, 2002, 41, 6200-6206.	1.8	14
160	Wood adhesives derived from alkaline extracts of maritime Pine bark: preparation, physical characteristics and bonding efficacy. European Journal of Wood and Wood Products, 2002, 60, 303-310.	1.3	14
161	The Organosolv Fractionation of Cork Components. Holzforschung, 2002, 56, 135-142.	0.9	13
162	Cytotoxic activity of lignans from Hibiscus cannabinus. FÃ¬toterapÃ¬Ã¢, 2007, 78, 385-387.	1.1	13

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163	Miscanthus x giganteus Bark Organosolv Fractionation: Fate of Lipophilic Components and Formation of Valuable Phenolic Byproducts. Journal of Agricultural and Food Chemistry, 2010, 58, 8279-8285.	2.4	13
164	Lignin reactions in oxygen delignification catalysed by Mn(II)-substituted molybdovanadophosphate polyanion. Holzforschung, 2004, 58, 640-649.	0.9	12
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