

# Carlos Pascoal Neto

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189  
papers

9,792  
citations

58  
h-index

88  
g-index

191  
ext. papers

10,536  
ext. citations

5.6  
avg, IF

5.91  
L-index

#	Paper	IF	Citations
189	Effect of cationization pretreatment on the properties of cationic Eucalyptus micro/nanofibrillated cellulose.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 201, 468-479	7.9	2
188	Secondary metabolites from Eucalyptus grandis wood cultivated in Portugal, Brazil and South Africa. <i>Industrial Crops and Products</i> , <b>2017</b> , 95, 357-364	5.9	21
187	1 Development and applications of cellulose nanofibres based polymer nanocomposites <b>2017</b> , 1-65		2
186	Unravelling the distinct crystallinity and thermal properties of suberin compounds from Quercus suber and Betula pendula outer barks. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 686-694	7.9	9
185	Spent coffee grounds as a renewable source for ecopolyols production. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2015</b> , 90, 1480-1488	3.5	28
184	In situ synthesis of bacterial cellulose/polycaprolactone blends for hot pressing nanocomposite films production. <i>Carbohydrate Polymers</i> , <b>2015</b> , 132, 400-8	10.3	28
183	Screening of lipophilic and phenolic extractives from different morphological parts of Halimione portulacoides. <i>Industrial Crops and Products</i> , <b>2014</b> , 52, 373-379	5.9	19
182	Ecopolyol Production from Industrial Cork Powder via Acid Liquefaction Using Polyhydric Alcohols. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 846-854	8.3	44
181	Nanostructured bacterial cellulose-poly(4-styrene sulfonic acid) composite membranes with high storage modulus and protonic conductivity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 7864-75	9.5	65
180	Unveiling the chemistry behind the green synthesis of metal nanoparticles. <i>ChemSusChem</i> , <b>2014</b> , 7, 2704-2711	4.1	26
179	Topical caffeine delivery using biocellulose membranes: a potential innovative system for cellulite treatment. <i>Cellulose</i> , <b>2014</b> , 21, 665-674	5.5	51
178	Bacterial cellulose membranes as transdermal delivery systems for diclofenac: in vitro dissolution and permeation studies. <i>Carbohydrate Polymers</i> , <b>2014</b> , 106, 264-9	10.3	98
177	Protein-based materials: from sources to innovative sustainable materials for biomedical applications. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 3715-3740	7.3	109
176	Do bacterial cellulose membranes have potential in drug-delivery systems?. <i>Expert Opinion on Drug Delivery</i> , <b>2014</b> , 11, 1113-24	8	58
175	Bioactive Triterpenic Acids: From Agroforestry Biomass Residues to Promising Therapeutic Tools. <i>Mini-Reviews in Organic Chemistry</i> , <b>2014</b> , 11, 382-399	1.7	43
174	Bacterial Cellulose-Based Nanocomposites: Roadmap for Innovative Materials <b>2014</b> , 17-64		3
173	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> , <b>2013</b> , 46, 359-368	5.9	39

172	Novel sustainable composites prepared from cork residues and biopolymers. <i>Biomass and Bioenergy</i> , <b>2013</b> , 55, 148-155	5.3	35
171	Ultra-high performance liquid chromatography coupled to mass spectrometry applied to the identification of valuable phenolic compounds from Eucalyptus wood. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2013</b> , 938, 65-74	3.2	57
170	Phenolic composition and antioxidant activity of industrial cork by-products. <i>Industrial Crops and Products</i> , <b>2013</b> , 47, 262-269	5.9	53
169	Antifungal activity of transparent nanocomposite thin films of pullulan and silver against <i>Aspergillus niger</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 103, 143-8	6	86
168	Novel cellulose-based composites based on nanofibrillated plant and bacterial cellulose: recent advances at the University of Aveiro – a review. <i>Holzforschung</i> , <b>2013</b> , 67, 603-612	2	27
167	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 <sub>2</sub> . <i>Industrial Crops and Products</i> , <b>2013</b> , 43, 340-348	5.9	30
166	Cloned <i>Pseudomonas aeruginosa</i> lipoyxygenase as efficient approach for the clean conversion of linoleic acid into valuable hydroperoxides. <i>Chemical Engineering Journal</i> , <b>2013</b> , 231, 519-525	14.7	16
165	<i>Eucalyptus globulus</i> Bark as Source of Tannin Extracts for Application in Leather industry. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2013</b> , 1, 950-955	8.3	28
164	Hydroperoxide production from linoleic acid by heterologous <i>Gaeumannomyces graminis tritici</i> lipoyxygenase: Optimization and scale-up. <i>Chemical Engineering Journal</i> , <b>2013</b> , 217, 82-90	14.7	23
163	Luminescent Transparent Composite Films Based on Lanthanopolyoxometalates and Filmogenic Polysaccharides. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 1890-1896	2.3	13
162	Production of bacterial cellulose by <i>Gluconacetobacter sacchari</i> using dry olive mill residue. <i>Biomass and Bioenergy</i> , <b>2013</b> , 55, 205-211	5.3	115
161	Nanostructured composites obtained by ATRP sleeving of bacterial cellulose nanofibers with acrylate polymers. <i>Biomacromolecules</i> , <b>2013</b> , 14, 2063-73	6.9	67
160	Optimization of the supercritical fluid extraction of triterpenic acids from <i>Eucalyptus globulus</i> bark using experimental design. <i>Journal of Supercritical Fluids</i> , <b>2013</b> , 74, 105-114	4.2	58
159	The role of nanocellulose fibers, starch and chitosan on multipolysaccharide based films. <i>Cellulose</i> , <b>2013</b> , 20, 1807-1818	5.5	54
158	Photodegradation of the fungicide thiram in aqueous solutions. Kinetic studies and identification of the photodegradation products by HPLC-MS/MS. <i>Chemosphere</i> , <b>2013</b> , 91, 993-1001	8.4	26
157	Antibacterial paper based on composite coatings of nanofibrillated cellulose and ZnO. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 417, 111-119	5.1	112
156	Cellulose/iron oxide hybrids as multifunctional pigments in thermoplastic starch based materials. <i>Cellulose</i> , <b>2013</b> , 20, 861-871	5.5	6
155	Biocompatible bacterial cellulose-poly(2-hydroxyethyl methacrylate) nanocomposite films. <i>BioMed Research International</i> , <b>2013</b> , 2013, 698141	3	32

154	Antibacterial activity of nanocomposites of copper and cellulose. <i>BioMed Research International</i> , <b>2013</b> , 2013, 280512	3	80
153	Phenolic composition and antioxidant activity of <i>Eucalyptus grandis</i> , <i>E. urograndis</i> ( <i>E. grandis</i> E. urophylla) and <i>E. maidenii</i> bark extracts. <i>Industrial Crops and Products</i> , <b>2012</b> , 39, 120-127	5.9	91
152	Formation of oligomeric alkenylperoxides during the oxidation of unsaturated fatty acids: an electrospray ionization tandem mass spectrometry study. <i>Journal of Mass Spectrometry</i> , <b>2012</b> , 47, 163-72	2.2	7
151	Bacterial cellulose membranes applied in topical and transdermal delivery of lidocaine hydrochloride and ibuprofen: in vitro diffusion studies. <i>International Journal of Pharmaceutics</i> , <b>2012</b> , 435, 83-7	6.5	138
150	Phenolic profile of Sercial and Tinta Negra Vitis vinifera L. grape skins by HPLC-DAESI-MSn: Novel phenolic compounds in Vitis vinifera L. grape. <i>Food Chemistry</i> , <b>2012</b> , 135, 94-104	8.5	72
149	Growth and Chemical Stability of Copper Nanostructures on Cellulosic Fibers. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 5043-5049	2.3	34
148	Pullulan/nanofibrillated cellulose composite films with improved thermal and mechanical properties. <i>Composites Science and Technology</i> , <b>2012</b> , 72, 1556-1561	8.6	97
147	Supercritical fluid extraction of phenolic compounds from <i>Eucalyptus globulus</i> Labill bark. <i>Journal of Supercritical Fluids</i> , <b>2012</b> , 71, 71-79	4.2	94
146	Measurement and modeling of supercritical fluid extraction curves of <i>Eucalyptus globulus</i> bark: Influence of the operating conditions upon yields and extract composition. <i>Journal of Supercritical Fluids</i> , <b>2012</b> , 72, 176-185	4.2	27
145	Synthesis of aliphatic suberin-like polyesters by ecofriendly catalytic systems. <i>High Performance Polymers</i> , <b>2012</b> , 24, 4-8	1.6	28
144	Sustainable nanocomposite films based on bacterial cellulose and pullulan. <i>Cellulose</i> , <b>2012</b> , 19, 729-737	5.5	87
143	Electrostatic assembly of Ag nanoparticles onto nanofibrillated cellulose for antibacterial paper products. <i>Cellulose</i> , <b>2012</b> , 19, 1425-1436	5.5	150
142	Antibacterial activity of optically transparent nanocomposite films based on chitosan or its derivatives and silver nanoparticles. <i>Carbohydrate Research</i> , <b>2012</b> , 348, 77-83	2.9	123
141	Eco-friendly hybrid pigments made of cellulose and iron oxides. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 6817-21	1.3	4
140	Supercritical fluid extraction of <i>Eucalyptus globulus</i> bark-A promising approach for triterpenoid production. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 7648-62	6.3	42
139	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> , <b>2011</b> , 59, 9386-93	5.7	128
138	Transparent bionanocomposites with improved properties prepared from acetylated bacterial cellulose and poly(lactic acid) through a simple approach. <i>Green Chemistry</i> , <b>2011</b> , 13, 419	10	117
137	Biocellulose membranes as supports for dermal release of lidocaine. <i>Biomacromolecules</i> , <b>2011</b> , 12, 4162-69	6.9	110

136	Surface hydrophobization of bacterial and vegetable cellulose fibers using ionic liquids as solvent media and catalysts. <i>Green Chemistry</i> , <b>2011</b> , 13, 2464	10	61
135	High value triterpenic compounds from the outer barks of several Eucalyptus species cultivated in Brazil and in Portugal. <i>Industrial Crops and Products</i> , <b>2011</b> , 33, 158-164	5.9	65
134	Chemical composition of oleo-gum-resin from <i>Ferula gummosa</i> . <i>Industrial Crops and Products</i> , <b>2011</b> , 33, 549-553	5.9	17
133	Analysis of linoleic acid hydroperoxides generated by biomimetic and enzymatic systems through an integrated methodology. <i>Industrial Crops and Products</i> , <b>2011</b> , 34, 1474-1481	5.9	10
132	Preparation and characterization of novel biodegradable composites based on acylated cellulose fibers and poly(ethylene sebacate). <i>Composites Science and Technology</i> , <b>2011</b> , 71, 1908-1913	8.6	19
131	<i>Gluconacetobacter sacchari</i> : An efficient bacterial cellulose cell-factory. <i>Carbohydrate Polymers</i> , <b>2011</b> , 86, 1417-1420	10.3	117
130	Novel suberin-based biopolyesters: From synthesis to properties. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 2281-2291	2.5	42
129	Novel materials based on chitosan and cellulose. <i>Polymer International</i> , <b>2011</b> , 60, 875-882	3.3	69
128	Utilization of residues from agro-forest industries in the production of high value bacterial cellulose. <i>Bioresource Technology</i> , <b>2011</b> , 102, 7354-60	11	131
127	Preparation and evaluation of the barrier properties of cellophane membranes modified with fatty acids. <i>Carbohydrate Polymers</i> , <b>2011</b> , 83, 836-842	10.3	34
126	Production of Coated Papers with Improved Properties by Using a Water-Soluble Chitosan Derivative. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 6432-6438	3.9	33
125	<i>Miscanthus x giganteus</i> bark organosolv fractionation: fate of lipophilic components and formation of valuable phenolic byproducts. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 8279-85	5.7	13
124	Preparation and characterization of novel highly omniphobic cellulose fibers organic/inorganic hybrid materials. <i>Carbohydrate Polymers</i> , <b>2010</b> , 80, 1048-1056	10.3	29
123	Preparation and characterization of bacterial cellulose membranes with tailored surface and barrier properties. <i>Cellulose</i> , <b>2010</b> , 17, 1203-1211	5.5	72
122	<i>Eucalyptus globulus</i> biomass residues from pulping industry as a source of high value triterpenic compounds. <i>Industrial Crops and Products</i> , <b>2010</b> , 31, 65-70	5.9	68
121	Chemical composition and antioxidant activity of phenolic extracts of cork from <i>Quercus suber</i> L.. <i>Industrial Crops and Products</i> , <b>2010</b> , 31, 521-526	5.9	72
120	Preparation of highly hydrophobic and lipophobic cellulose fibers by a straightforward gas-solid reaction. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 344, 588-95	9.3	56
119	Langmuir monolayers of fractions of cork suberin extract. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 79, 516-20	6	2

118	Novel bacterial cellulose/acrylic resin nanocomposites. <i>Composites Science and Technology</i> , <b>2010</b> , 70, 1148-1153	8.6	80
117	Synthesis and characterization of new CaCO <sub>3</sub> /cellulose nanocomposites prepared by controlled hydrolysis of dimethylcarbonate. <i>Carbohydrate Polymers</i> , <b>2010</b> , 79, 1150-1156	10.3	50
116	Transparent chitosan films reinforced with a high content of nanofibrillated cellulose. <i>Carbohydrate Polymers</i> , <b>2010</b> , 81, 394-401	10.3	185
115	2D-NMR (HSQC) difference spectra between specifically <sup>13</sup> C-enriched and unenriched protolignin of Ginkgo biloba obtained in the solution state of whole cell wall material. <i>Holzforschung</i> , <b>2009</b> , 63,	2	27
114	POLYOXOMETALATE-CATALYZED OXYGEN DELIGNIFICATION PROCESS: KINETIC STUDIES, DELIGNIFICATION SEQUENCES AND REUSE OF HPA-5-MnII AQUEOUS SOLUTION. <i>Chemical Engineering Communications</i> , <b>2009</b> , 196, 801-811	2.2	8
113	Quercus suber and Betula pendula outer barks as renewable sources of oleochemicals: A comparative study. <i>Industrial Crops and Products</i> , <b>2009</b> , 29, 126-132	5.9	87
112	Antibacterial activity of nanocomposites of silver and bacterial or vegetable cellulosic fibers. <i>Acta Biomaterialia</i> , <b>2009</b> , 5, 2279-89	10.8	234
111	The furan counterpart of poly(ethylene terephthalate): An alternative material based on renewable resources. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 295-298	2.5	365
110	Surface modification of cellulosic fibres for multi-purpose TiO <sub>2</sub> based nanocomposites. <i>Composites Science and Technology</i> , <b>2009</b> , 69, 1051-1056	8.6	95
109	New biocomposites based on thermoplastic starch and bacterial cellulose. <i>Composites Science and Technology</i> , <b>2009</b> , 69, 2163-2168	8.6	152
108	A study of the distribution of chitosan onto and within a paper sheet using a fluorescent chitosan derivative. <i>Carbohydrate Polymers</i> , <b>2009</b> , 78, 760-766	10.3	23
107	Miscanthus x giganteus extractives: a source of valuable phenolic compounds and sterols. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 3626-31	5.7	41
106	Suberin of potato (Solanum tuberosum var. Nikola): comparison of the effect of cutinase CcCut1 with chemical depolymerization. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 9016-27	5.7	25
105	Growth, Structural, and Optical Characterization of ZnO-Coated Cellulosic Fibers. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 386-390	3.5	55
104	Determination of the hydroxy and carboxylic acid groups in natural complex mixtures of hydroxy fatty acids by <sup>1</sup> H nuclear magnetic resonance spectroscopy. <i>Applied Spectroscopy</i> , <b>2009</b> , 63, 873-8	3.1	7
103	Novel transparent nanocomposite films based on chitosan and bacterial cellulose. <i>Green Chemistry</i> , <b>2009</b> , 11, 2023	10	184
102	Cork and Suberins: Major Sources, Properties and Applications <b>2008</b> , 305-320		6
101	The bulk oxypropylation of chitin and chitosan and the characterization of the ensuing polyols. <i>Green Chemistry</i> , <b>2008</b> , 10, 93-97	10	35

100	What is the real value of chitosan's surface energy?. <i>Biomacromolecules</i> , <b>2008</b> , 9, 610-4	6.9	56
99	Impact of Kraft Process Modifications on Eucalyptus globulus Pulping Performance and Polysaccharide Retention. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 7433-7440	3.9	7
98	Strategies to reduce the brightness reversion of industrial ECF bleached Eucalyptus globulus kraft pulp. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2008</b> , 83, 218-226	3.5	10
97	Impact of effective alkali and sulfide profiling on Eucalyptus globulus kraft pulping. Selectivity of the impregnation phase and its effect on final pulping results. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2008</b> , 83, 242-251	3.5	7
96	Eucalyptus globulus kraft process modifications: Effect on pulping and bleaching performance and papermaking properties of bleached pulps. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2008</b> , 83, 1298-1305	3.5	9
95	Silver-bacterial cellulosic sponges as active SERS substrates. <i>Journal of Raman Spectroscopy</i> , <b>2008</b> , 39, 439-443	2.3	83
94	Synthesis and characterization of novel biopolyesters from suberin and model comonomers. <i>ChemSusChem</i> , <b>2008</b> , 1, 1020-5	8.3	41
93	Superhydrophobic cellulose nanocomposites. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 324, 42-6	9.3	82
92	Novel SiO <sub>2</sub> /cellulose nanocomposites obtained by in situ synthesis and via polyelectrolytes assembly. <i>Composites Science and Technology</i> , <b>2008</b> , 68, 1088-1093	8.6	86
91	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> , <b>2008</b> , 68, 3358-3364	8.6	83
90	Assessment of potential approaches to improve Eucalyptus globulus kraft pulping yield. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2007</b> , 82, 424-430	3.5	9
89	Electrostatic assembly and growth of gold nanoparticles in cellulosic fibres. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 312, 506-12	9.3	69
88	Characterization and evaluation of the hydrolytic stability of trifluoroacetylated cellulose fibers. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 316, 360-6	9.3	38
87	Demonstration of long-chain n-alkyl caffeates and delta7-steryl glucosides in the bark of Acacia species by gas chromatography-mass spectrometry. <i>Phytochemical Analysis</i> , <b>2007</b> , 18, 151-6	3.4	16
86	Cytotoxic activity of lignans from Hibiscus cannabinus. <i>Phytotherapy Research</i> , <b>2007</b> , 78, 385-7	3.2	10
85	Characterization of non-cellulosic glucans in Eucalyptus globulus Labill. wood and kraft pulp. <i>Holzforchung</i> , <b>2007</b> , 61, 478-482	2	9
84	Bi-phobic cellulose fibers derivatives via surface trifluoropropanoylation. <i>Langmuir</i> , <b>2007</b> , 23, 10801-6	4	23
83	Alternatives for lignocellulosic pulp delignification using polyoxometalates and oxygen: a review. <i>Green Chemistry</i> , <b>2007</b> , 9, 717	10	106

82	Highly hydrophobic biopolymers prepared by the surface pentafluorobenzoylation of cellulose substrates. <i>Biomacromolecules</i> , <b>2007</b> , 8, 1347-52	6.9	53
81	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> , <b>2006</b> , 100, 1093-1102	2.9	181
80	Triterpenic and other lipophilic components from industrial cork byproducts. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 6888-93	5.7	50
79	Comparative Analysis of Over-the-Counter Tablet Preparations of Isoflavones Extracted from Soy Available in Portugal. <i>Natural Product Communications</i> , <b>2006</b> , 1, 1934578X0600101	0.9	1
78	Effect of oxygen, ozone and hydrogen peroxide bleaching stages on the contents and composition of extractives of Eucalyptus globulus kraft pulps. <i>Bioresource Technology</i> , <b>2006</b> , 97, 420-8	11	42
77	Titanium dioxide/cellulose nanocomposites prepared by a controlled hydrolysis method. <i>Composites Science and Technology</i> , <b>2006</b> , 66, 1038-1044	8.6	108
76	Suberin: A promising renewable resource for novel macromolecular materials. <i>Progress in Polymer Science</i> , <b>2006</b> , 31, 878-892	29.6	133
75	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> , <b>2006</b> , 301, 205-9	9.3	51
74	Reversible hydrophobization and lipophobization of cellulose fibers via trifluoroacetylation. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 301, 333-6	9.3	31
73	Comparative study of lipophilic extractives of hardwoods and corresponding ECF bleached kraft pulps. <i>BioResources</i> , <b>2006</b> , 1, 3-17	1.3	24
72	Effect of Structural Features of Wood Biopolymers on Hardwood Pulping and Bleaching Performance. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 9777-9784	3.9	75
71	Chemical composition and structural features of the macromolecular components of plantation Acacia mangium wood. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 7856-62	5.7	34
70	Isolation and structural characterization of polysaccharides dissolved in Eucalyptus globulus kraft black liquors. <i>Carbohydrate Polymers</i> , <b>2005</b> , 60, 77-85	10.3	53
69	Structure of hardwood glucuronoxylans: modifications and impact on pulp retention during wood kraft pulping. <i>Carbohydrate Polymers</i> , <b>2005</b> , 60, 489-497	10.3	68
68	Growth of BiVO <sub>4</sub> particles in cellulosic fibres by in situ reaction. <i>Dyes and Pigments</i> , <b>2005</b> , 65, 125-127	4.6	38
67	Chemical composition of the essential oil distilled from the fruits of Eucalyptus globulus grown in Portugal. <i>Flavour and Fragrance Journal</i> , <b>2005</b> , 20, 407-409	2.5	14
66	Transition metal substituted polyoxotungstates for the oxygen delignification of kraft pulp. <i>Applied Catalysis A: General</i> , <b>2005</b> , 295, 134-141	5.1	20
65	Identification of delta7 phytosterols and phytosteryl glucosides in the wood and bark of several Acacia species. <i>Lipids</i> , <b>2005</b> , 40, 317-22	1.6	21

64	Modeling the Thermal Conductivity of Pure and Mixed Heavy n-Alkanes Suitable for the Design of Phase Change Materials. <i>International Journal of Thermophysics</i> , <b>2005</b> , 26, 1461-1475	2.1	6
63	An Efficient Method for Determination of the Degree of Substitution of Cellulose Esters of Long Chain Aliphatic Acids. <i>Cellulose</i> , <b>2005</b> , 12, 449-458	5.5	47
62	Chemical composition of the epicuticular wax from the fruits of <i>Eucalyptus globulus</i> . <i>Phytochemical Analysis</i> , <b>2005</b> , 16, 364-9	3.4	36
61	Electrospray tandem mass spectrometry of underivatized acetylated xylo-oligosaccharides. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 3589-99	2.2	27
60	Lipophilic Extractives in <i>Eucalyptus globulus</i> Kraft Pulps. Behavior during ECF Bleaching. <i>Journal of Wood Chemistry and Technology</i> , <b>2005</b> , 25, 67-80	2	24
59	Bulk and surface composition of ECF bleached hardwood kraft pulp fibres. <i>Nordic Pulp and Paper Research Journal</i> , <b>2004</b> , 19, 513-520	1.1	17
58	Lignin reactions in oxygen delignification catalysed by Mn(II)-substituted molybdovanadophosphate polyanion. <i>Holzforschung</i> , <b>2004</b> , 58, 640-649	2	10
57	New glucosides from <i>Eucalyptus globulus</i> wood, bark and kraft pulps. <i>Holzforschung</i> , <b>2004</b> , 58, 501-503	2	9
56	Structural differentiation of uronosyl substitution patterns in acidic heteroxylans by electrospray tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2004</b> , 15, 43-7	3.5	19
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