Dmitry V Evtuguin

List of Publications by Year in Descending Order

194 papers	5,052 citations	40 h-index	59 g-index
198 ext. papers	5,681 ext. citations	4.7 avg, IF	5.72 L-index

#	Paper	IF	Citations
194	Conversion of paper and xylan into laser-induced graphene for environmentally friendly sensors. *Diamond and Related Materials*, **2022**, 123, 108855	3.5	3
193	Isolation and identification of an arabinogalactan extracted from pistachio external hull: Assessment of immunostimulatory activity. *Food Chemistry*, **2022**, 373, 131416	8.5	1
192	New poly(lactic acid) composites produced from coffee beverage wastes. *Journal of Applied Polymer Science*, **2022**, 139, 51434	2.9	1
191	Cinnamomum burmannii decoction: A thickening and flavouring ingredient. *LWT - Food Science and Technology*, **2022**, 153, 112428	5.4	0
190	Improving the Industrial Practice of Reactive Washing of Cork Stoppers Using a Fractional Factorial Design.. *ACS Omega*, **2022**, 7, 10901-10909	3.9	
189	Cationization of Kraft LignoBoost Lignin: Preparation, Properties, and Potential Applications.. *Industrial & Engineering Chemistry Research*, **2022**, 61, 3503-3515	3.9	2
188	Polyoxometalate Functionalized Sensors: A Review.. *Frontiers in Chemistry*, **2022**, 10, 840657	5	1
187	Eco Valorization of Eucalyptus globulus Bark and Branches through Liquefaction. *Applied Sciences (Switzerland)*, **2022**, 12, 3775	2.6	1
186	Changes in sulfite liquor composition while re-profiling mill from paper-grade to dissolving pulp production. *Journal of Wood Chemistry and Technology*, **2022**, 42, 193-203	2	0
185	Lignosulfonate-Based Polyurethane Adhesives. *Materials*, **2021**, 14,	3.5	1
184	Synthesis of Lignosulfonate-Based Dispersants for Application in Concrete Formulations. *Materials*, **2021**, 14,	3.5	2
183	Effect of cooking and bleaching conditions on the properties of eucalyptus kraft fluff pulps. *Cellulose*, **2021**, 28, 4411-4426	5.5	1
182	Evaluating the hazardous impact of ionic liquids - Challenges and opportunities. *Journal of Hazardous Materials*, **2021**, 412, 125215	12.8	29
181	Grape pectic polysaccharides stabilization of anthocyanins red colour: Mechanistic insights. *Carbohydrate Polymers*, **2021**, 255, 117432	10.3	3
180	Structural Features of Cork Dioxane Lignin from L. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 8555-8564	5.7	2
179	Structural Elucidation of Suberin from the Bark of Cultivated Willow (sp.). *Journal of Agricultural and Food Chemistry*, **2021**, 69, 10848-10855	5.7	3
178	Surface properties of cork in relation to reactive washing. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 624, 126762	5.1	4

177	Characterization of levan produced by a Paenibacillus sp. isolated from Brazilian crude oil. *International Journal of Biological Macromolecules*, **2021**, 186, 788-799	7.9	1
176	Lignosulfonate-Based Conducting Flexible Polymeric Membranes for Liquid Sensing Applications. *Materials*, **2021**, 14,	3.5	1
175	Enzymatic Fibre Modification During Production of Dissolving Wood Pulp for Regenerated Cellulosic Materials. *Frontiers in Plant Science*, **2021**, 12, 717776	6.2	1
174	Production of rayon fibres from cellulosic pulps: State of the art and current developments. *Carbohydrate Polymers*, **2021**, 273, 118466	10.3	6
173	Cellulose Structural Changes during Mild Torrefaction of Wood. *Polymers*, **2020**, 12,	4.5	3
172	Structural changes in lignin of thermally treated eucalyptus wood. *Journal of Wood Chemistry and Technology*, **2020**, 40, 258-268	2	9
171	Recent Advances in the Production and Applications of Ellagic Acid and Its Derivatives. A Review. *Molecules*, **2020**, 25,	4.8	38
170	Structural features of macromolecular components of cork from Quercus suber L.. *Holzforschung*, **2020**, 74, 625-633	2	6
169	The 15th European Workshop on Lignocellulosics and Pulp (EWLP) in Aveiro, Portugal (June 26–29, 2018). *Holzforschung*, **2020**, 74, 95	2	
168	Laccase-catalyzed oxidative modification of lignosulfonates from acidic sulfite pulping of eucalyptus wood. *Holzforschung*, **2020**, 74, 589-596	2	5
167	A new formaldehyde optical sensor: Detecting milk adulteration. *Food Chemistry*, **2020**, 318, 126461	8.5	16
166	Characterization data of pulp fibres performance in tissue papers applications. *Data in Brief*, **2020**, 29, 105253	1.2	5
165	Effect of cellulose structure on reactivity of eucalyptus acid sulphite dissolving pulp. *Cellulose*, **2020**, 27, 4763-4772	5.5	6
164	Potential of bleached eucalyptus kraft pulp for applications in nonwoven fibrous fabrics. *Journal of Engineered Fibers and Fabrics*, **2020**, 15, 155892502098014	0.9	1
163	Effect of different catalysts on the oxyalkylation of eucalyptus Lignoboost® kraft lignin. *Holzforschung*, **2020**, 74, 567-576	2	5
162	Surface treatment of eucalyptus wood for improved HDPE composites properties. *Journal of Applied Polymer Science*, **2020**, 137, 48619	2.9	10
161	Migration of Tannins and Pectic Polysaccharides from Natural Cork Stoppers to the Hydroalcoholic Solution. *Journal of Agricultural and Food Chemistry*, **2020**,	5.7	2
160	Relationship between Surface Properties and Fiber Network Parameters of Eucalyptus Kraft Pulps and Their Absorption Capacity. *Surfaces*, **2020**, 3, 265-281	2.9	4

159	Xylan accessibility of bleached eucalypt pulp in alkaline solutions. *Holzforschung*, **2020**, 74, 141-148	2	8
158	Nanocomposite Polymeric Materials Based on Eucalyptus Lignoboost Kraft Lignin for Liquid Sensing Applications. *Materials*, **2020**, 13,	3.5	8
157	Contribution of non-enzymatic transglycosylation reactions to the honey oligosaccharides origin and diversity. *Pure and Applied Chemistry*, **2019**, 91, 1231-1242	2.1	5
156	Structural analysis and potential immunostimulatory activity of Nannochloropsis oculata polysaccharides. *Carbohydrate Polymers*, **2019**, 222, 114962	10.3	31
155	Lignin Modification Supported by DFT-Based Theoretical Study as a Way to Produce Competitive Natural Antioxidants. *Molecules*, **2019**, 24,	4.8	13
154	Structural features of spent coffee grounds water-soluble polysaccharides: Towards tailor-made microwave assisted extractions. *Carbohydrate Polymers*, **2019**, 214, 53-61	10.3	17
153	The effects of transition metal sulfates on cellulose crystallinity during accelerated ageing of silver fir wood. *Cellulose*, **2019**, 26, 2625-2638	5.5	14
152	The hydrophobic polysaccharides of apple pomace. *Carbohydrate Polymers*, **2019**, 223, 115132	10.3	24
151	Preserve Your Books through the Smell. *ACS Sensors*, **2019**, 4, 2915-2921	9.2	2
150	Purification of pulp mill condensates by an adsorptive process on activated carbon. *Holzforschung*, **2019**, 73, 589-597	2	3
149	Environmental advantages through producing energy from grape stalk pellets instead of wood pellets and other sources. *International Journal of Environmental Studies*, **2018**, 75, 812-826	1.8	7
148	Evaluation of Ligno Boost softwood kraft lignin epoxidation as an approach for its application in cured epoxy resins. *Industrial Crops and Products*, **2018**, 112, 225-235	5.9	32
147	Quantifying acetaldehyde in cider using a Mn(III)-substituted polyoxotungstate coated acoustic wave sensor. *Sensors and Actuators B: Chemical*, **2018**, 255, 2608-2613	8.5	5
146	High-Resolution Lipidomics of the Early Life Stages of the Red Seaweed Porphyra dioica. *Molecules*, **2018**, 23,	4.8	26
145	Comparative study on hydrolysis and bioethanol production from cardoon and rockrose pretreated by dilute acid hydrolysis. *Industrial Crops and Products*, **2018**, 111, 633-641	5.9	34
144	Eficiência do tratamento combinado de impregnação e termorretificação nas propriedades da madeira de pinus. *Revista Materia*, **2018**, 23,	0.8	1
143	Extractive Profiles in the Production of Sulfite Dissolving Pulp from Eucalyptus Globulus WOOD. *Journal of Wood Chemistry and Technology*, **2018**, 38, 397-408	2	9
142	Functionalized xylans in the production of xylan-coated paper laminates. *Reactive and Functional Polymers*, **2017**, 117, 89-96	4.6	23

141	Hardwood kraft pulp structural features affecting refinability. *Holzforschung*, **2017**, 71, 619-624	2	4
140	Ultra-high pressure modified cellulosic fibres with antimicrobial properties. *Carbohydrate Polymers*, **2017**, 175, 303-310	10.3	4
139	Isolation and characterization of acetylated glucuronoarabinoxylan from sugarcane bagasse and straw. *Carbohydrate Polymers*, **2017**, 156, 223-234	10.3	61
138	Determination of 5-hydroxymethylfurfural in honey, using headspace-solid-phase microextraction coupled with a polyoxometalate-coated piezoelectric quartz crystal. *Food Chemistry*, **2017**, 220, 420-426	8.5	26
137	Sulphite Pulping **2016**, 225-244		7
136	Enzymatic treatment applied as a final stage in E. globulus kraft pulp bleaching. *Journal of Chemical Technology and Biotechnology*, **2016**, 91, 547-554	3.5	5
135	Nonenzymatic Transglycosylation Reactions Induced by Roasting: New Insights from Models Mimicking Coffee Bean Regions with Distinct Polysaccharide Composition. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 1831-40	5.7	8
134	Characterization of concrete surface in relation to graffiti protection coatings. *Construction and Building Materials*, **2016**, 102, 435-444	6.7	17
133	Catalytic oxidation of formaldehyde by ruthenium multisubstituted tungstosilicic polyoxometalate supported on cellulose/silica hybrid. *Applied Catalysis A: General*, **2016**, 509, 8-16	5.1	18
132	High Pressure Laminates with Antimicrobial Properties. *Materials*, **2016**, 9,	3.5	6
131	High pressure-promoted xylanase treatment to enhance papermaking properties of recycled pulp. *Applied Microbiology and Biotechnology*, **2016**, 100, 9885-9893	5.7	6
130	Fluorinated polyhedral oligomeric silsesquioxane nanoparticles to boost the dirt repellence of high pressure laminates. *Chemical Engineering Journal*, **2016**, 301, 362-370	14.7	9
129	Influence of Chemical Treatment on Chemical Changes of Fir Wood. *Key Engineering Materials*, **2016** , 688, 38-43	0.4	2
128	Xylan and xylan derivatives□their performance in bio-based films and effect of glycerol addition. *Industrial Crops and Products*, **2016**, 94, 682-689	5.9	24
127	Enzymatic saccharification and bioethanol production from Cynara cardunculus pretreated by steam explosion. *Bioresource Technology*, **2015**, 186, 309-315	11	63
126	Novel bioemulsifier produced by a Paenibacillus strain isolated from crude oil. *Microbial Cell Factories*, **2015**, 14, 14	6.4	41
125	Bioethanol production from steam explosion pretreated and alkali extracted Cistus ladanifer (rockrose). *Biochemical Engineering Journal*, **2015**, 104, 98-105	4.2	26
124	Modification of acid hydrolysis lignin for value-added applications by micronization followed by hydrothermal alkaline treatment. *Holzforschung*, **2015**, 69, 761-768	2	7

123	Factors Affecting the Dimensional Stability of Decorative Papers under Moistening. *BioResources*, **2015**, 11,	1.3	6
122	Study on the residual lignin in Eucalyptus globulus sulphite pulp. *Holzforschung*, **2015**, 69, 513-522	2	15
121	Sequential microwave superheated water extraction of mannans from spent coffee grounds. *Carbohydrate Polymers*, **2014**, 103, 333-8	10.3	41
120	Sulfonated graphene oxide as effective catalyst for conversion of 5-(hydroxymethyl)-2-furfural into biofuels. *ChemSusChem*, **2014**, 7, 804-12	8.3	75
119	Influence of molecular weight on in vitro immunostimulatory properties of instant coffee. *Food Chemistry*, **2014**, 161, 60-6	8.5	21
118	VOC emissions from residential combustion of Southern and mid-European woods. *Atmospheric Environment*, **2014**, 83, 90-98	5.3	48
117	Photodegradation of 2-mercaptobenzothiazole and 1,2,3-benzotriazole corrosion inhibitors in aqueous solutions and organic solvents. *Physical Chemistry Chemical Physics*, **2014**, 16, 25152-60	3.6	30
116	Structural characterization of lignin from grape stalks (Vitis vinifera L.). *Journal of Agricultural and Food Chemistry*, **2014**, 62, 5420-8	5.7	28
115	Neutral and acidic products derived from hydroxyl radical-induced oxidation of arabinotriose assessed by electrospray ionisation mass spectrometry. *Journal of Mass Spectrometry*, **2014**, 49, 280-90	2.2	9
114	Potentiometric chemical sensors from lignin-poly(propylene oxide) copolymers doped by carbon nanotubes. *Analyst, The*, **2013**, 138, 501-8	5	23
113	Towards comprehensive utilization of winemaking residues: Characterization of grape skins from red grape pomaces of variety Touriga Nacional. *Industrial Crops and Products*, **2013**, 43, 25-32	5.9	54
112	Integrated utilization of grape skins from white grape pomaces. *Industrial Crops and Products*, **2013**, 49, 286-291	5.9	43
111	Advances in ethanol production from hardwood spent sulphite liquors. *Process Biochemistry*, **2013**, 48, 272-282	4.8	40
110	Polyoxometalate (POM)-aided modification of lignin from wheat straw biorefinery. *Holzforschung*, **2013**, 67, 539-547	2	20
109	Contribution of xylan to the brightness development and stability in the final ECF bleaching of eucalypt (Eucalyptus globulus Labill.) kraft pulp. *Holzforschung*, **2013**, 67, 497-503	2	4
108	Impact of extended-impregnation cooking on the xylan structure in Eucalyptus urograndis kraft pulps. *Nordic Pulp and Paper Research Journal*, **2013**, 28, 498-505	1.1	3
107	Chemical composition of grape stalks of Vitis vinifera L. from red grape pomaces. *Industrial Crops and Products*, **2012**, 35, 178-184	5.9	98
106	Electrochemical impedance study of the lignin-derived conducting polymer. *Electrochimica Acta*, **2012**, 76, 69-76	6.7	30

105	Biological treatment of eucalypt spent sulphite liquors: a way to boost the production of second generation bioethanol. *Bioresource Technology*, **2012**, 103, 131-5	11	31
104	High pressure treatment as a tool for engineering of enzymatic reactions in cellulosic fibres. *Bioresource Technology*, **2012**, 107, 530-4	11	29
103	Differentiation of isomeric pentose disaccharides by electrospray ionization tandem mass spectrometry and discriminant analysis. *Rapid Communications in Mass Spectrometry*, **2012**, 26, 2897-904	2.2	23
102	Fractionation of sulphite spent liquor for biochemical processing using ion exchange resins. *Journal of Biotechnology*, **2012**, 162, 415-21	3.7	11
101	New polyoxometalate-functionalized cellulosic fibre/silica hybrids for environmental applications. *RSC Advances*, **2012**, 2, 831-839	3.7	22
100	Studies on the redox turnover of polyoxometalates using potentiometric chemical sensors. *New Journal of Chemistry*, **2012**, 36, 1036	3.6	18
99	Effect of urea on cellulose degradation under conditions of alkaline pulping. *Cellulose*, **2012**, 19, 2195-2204	3.9	12
98	Lignin-based polyurethane doped with carbon nanotubes for sensor applications. *Polymer International*, **2012**, 61, 788-794	3.3	38
97	Discriminating the brightness stability of cellulosic pulp in relation to the final bleaching stage. *Carbohydrate Polymers*, **2012**, 88, 726-733	10.3	3
96	Structural characterization of polysaccharides isolated from grape stalks of Vitis vinifera L. *Carbohydrate Research*, **2012**, 356, 252-9	2.9	40
95	Arsenic Removal via Cellulose-Based Organic/Inorganic Hybrid Materials from Drinking Water. *Materials Science Forum*, **2012**, 730-732, 563-568	0.4	
94	Modified kraft lignin for bioremediation applications. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2012**, 47, 298-307	2.3	9
93	Reductive degradation of residual chromophores in kraft pulp with sodium dithionite. *Tappi Journal* , **2012**, 11, 59-67	0.5	3
92	The role of copper ions in hydrogen peroxide bleaching: Their origin, removal, and effect on pulp quality. *Tappi Journal*, **2012**, 11, 37-46	0.5	1
91	Thermophysical Characterization of Ionic Liquids Able To Dissolve Biomass. *Journal of Chemical & Engineering Data*, **2011**, 56, 4813-4822	2.8	254
90	Kinetics of Eucalypt Lignosulfonate Oxidation to Aromatic Aldehydes by Oxygen in Alkaline Medium. *Industrial & Engineering Chemistry Research*, **2011**, 50, 291-298	3.9	52
89	Chemical composition of oleo-gum-resin from Ferula gummosa. *Industrial Crops and Products*, **2011**, 33, 549-553	5.9	17
88	Oxidation of mannosyl oligosaccharides by hydroxyl radicals as assessed by electrospray mass spectrometry. *Carbohydrate Research*, **2011**, 346, 2603-11	2.9	19

87	Polyoxometalate/laccase-mediated oxidative polymerization of catechol for textile dyeing. *Applied Microbiology and Biotechnology*, **2011**, 89, 981-7	5.7	35
86	UV-resonance Raman micro-spectroscopy to assess residual chromophores in cellulosic pulps. *Journal of Raman Spectroscopy*, **2011**, 42, 1039-1045	2.3	7
85	The final bleaching of eucalypt kraft pulps with hydrogen peroxide: relationship with industrial ECF bleaching history and cellulose degradation. *Journal of Chemical Technology and Biotechnology*, **2011**, 86, 381-390	3.5	15
84	High pressure pre-treatments promote higher rate and degree of enzymatic hydrolysis of cellulose. *Green Chemistry*, **2011**, 13, 2764	10	19
83	Structure–Surface Property Relationships of Kraft Papers: Implication on Impregnation with Phenol–Formaldehyde Resin. *Industrial & Engineering Chemistry Research*, **2011**, 50, 2883-2890	3.9	21
82	Hydration of cellulose/silica hybrids assessed by sorption isotherms. *Journal of Physical Chemistry B*, **2010**, 114, 4047-55	3.4	25
81	Acetylated heteroxylan from Agave sisalana and its behavior in alkaline pulping and TCF/ECF bleaching. *Carbohydrate Polymers*, **2010**, 81, 517-523	10.3	25
80	Effect of high pressure treatment on structure and properties of cellulose in eucalypt pulps. *Cellulose*, **2010**, 17, 1193-1202	5.5	32
79	Synthesis and characterisation of novel ruthenium multi-substituted polyoxometalates: [SiW9O37Ru4(H2O)3Cl3]7 *Polyhedron*, **2010**, 29, 3066-3073	2.7	18
78	The assessment of chromophores in bleached cellulosic pulps employing UV-Raman spectroscopy. *Carbohydrate Research*, **2010**, 345, 1442-51	2.9	15
77	Second-generation bioethanol from eucalypt sulphite spent liquor. *Bioresource Technology*, **2010**, 101, 2755-61	11	61
76	Delignification of eucalypt kraft pulp with manganese-substituted polyoxometalate assisted by fungal versatile peroxidase. *Bioresource Technology*, **2010**, 101, 5935-40	11	14
75	Enzymatic saccharification of biologically pre-treated wheat straw with white-rot fungi. *Bioresource Technology*, **2010**, 101, 6045-50	11	126
74	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,	2	27
73	POLYOXOMETALATE-CATALYZED OXYGEN DELIGNIFICATION PROCESS: KINETIC STUDIES, DELIGNIFICATION SEQUENCES AND REUSE OF HPA-5-MnII AQUEOUS SOLUTION. *Chemical Engineering Communications*, **2009**, 196, 801-811	2.2	8
72	Design of siliceous lignins Novel organic/inorganic hybrid sorbent materials. *Scripta Materialia*, **2009**, 60, 687-690	5.6	26
71	Structural characterization of stalk lignin from banana plant. *Industrial Crops and Products*, **2009**, 29, 86-95	3.9	45
70	Characterisation of enzymatically oxidised lignosulfonates and their application on lignocellulosic fabrics. *Polymer International*, **2009**, 58, 863-868	3.3	28

69	Preparation and properties of cellulose/silica hybrid composites. *Polymer Composites*, **2009**, 30, 1275-1282	3	42
68	Chemical Composition of Spent Liquors from Acidic Magnesium-Based Sulphite Pulping of Eucalyptus globulus. *Journal of Wood Chemistry and Technology*, **2009**, 29, 322-336	2	60
67	Structure of Lignosulphonates from Acidic Magnesium-Based Sulphite Pulping of Eucalyptus globulus. *Journal of Wood Chemistry and Technology*, **2009**, 29, 337-357	2	45
66	Detection of muconic acid type structures in oxidised lignins using 2D NMR spectroscopy 10th EWLP, Stockholm, Sweden, August 25–28, 2008. *Holzforschung*, **2009**, 63,	2	9
65	Distinction and identification of lignins based on their volatile headspace composition. *Talanta*, **2008**, 75, 594-7	6.2	7
64	Sequential batch reactor for eucalypt kraft pulp effluent treatment with Trametes versicolor. *Journal of Chemical Technology and Biotechnology*, **2008**, 83, 1602-1608	3.5	5
63	Structural characterization of the acetylated heteroxylan from the natural hybrid Paulownia elongata/Paulownia fortunei. *Carbohydrate Research*, **2008**, 343, 256-66	2.9	44
62	Oxidation of phenols employing polyoxometalates as biomimetic models of the activity of phenoloxidase enzymes. *New Journal of Chemistry*, **2007**, 31, 1461	3.6	18
61	New polyoxometalate–laccase integrated system for kraft pulp delignification. *Biochemical Engineering Journal*, **2007**, 33, 141-147	4.2	26
60	Synthesis and characterisation of cellulose/silica hybrids obtained by heteropoly acid catalysed sol–gel process. *Materials Science and Engineering C*, **2007**, 27, 172-179	8.3	90
59	Chemical composition of different morphological parts from 'Dwarf Cavendish' banana plant and their potential as a non-wood renewable source of natural products. *Industrial Crops and Products*, **2007**, 26, 163-172	5.9	68
58	Cellulose-Silica Hybrid Materials Obtained by Heteropolyacid Catalyzed Sol-Gel Synthesis. *ACS Symposium Series*, **2007**, 121-136	0.4	4
57	Transition metal substituted polyoxometalates supported on amine-functionalized silica. *Transition Metal Chemistry*, **2007**, 32, 1061-1067	2.1	25
56	Characterization of non-cellulosic glucans in Eucalyptus globulus Labill. wood and kraft pulp. *Holzforschung*, **2007**, 61, 478-482	2	9
55	Multisensor system for determination of polyoxometalates containing vanadium at its different oxidation states. *Talanta*, **2007**, 72, 497-505	6.2	13
54	Alternatives for lignocellulosic pulp delignification using polyoxometalates and oxygen: a review. *Green Chemistry*, **2007**, 9, 717	10	106
53	Lipophilic extractives from different morphological parts of banana plant 'Dwarf Cavendish' *Industrial Crops and Products*, **2006**, 23, 201-211	5.9	29
52	Structural characterization of lignin from leaf sheaths of "dwarf cavendish" banana plant. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 2598-605	5.7	31

51	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, 420-8	11	42
50	Dimeric calcium complexes of arabinan-rich pectic polysaccharides from Olea europaea L. cell walls. *Carbohydrate Polymers*, **2006**, 65, 535-543	10.3	24
49	Effect of Structural Features of Wood Biopolymers on Hardwood Pulping and Bleaching Performance. *Industrial & Engineering Chemistry Research*, **2005**, 44, 9777-9784	3.9	75
48	Influence of galactomannans with different molecular weights on the gelation of whey proteins at neutral pH. *Biomacromolecules*, **2005**, 6, 3291-9	6.9	22
47	Chemical composition and structural features of the macromolecular components of plantation Acacia mangium wood. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 7856-62	5.7	34
46	Isolation and structural characterization of polysaccharides dissolved in Eucalyptus globulus kraft black liquors. *Carbohydrate Polymers*, **2005**, 60, 77-85	10.3	53
45	Structure of hardwood glucuronoxylans: modifications and impact on pulp retention during wood kraft pulping. *Carbohydrate Polymers*, **2005**, 60, 489-497	10.3	68
44	Lignans from a hybrid Paulownia wood. *Biochemical Systematics and Ecology*, **2005**, 33, 1298-1302	1.4	13
43	Steryl glucosides from banana plant Musa acuminata Colla var cavendish. *Industrial Crops and Products*, **2005**, 22, 187-192	5.9	24
42	Oxygen bleaching of kraft pulp with polyoxometalates and laccase applying a novel multi-stage process. *Journal of Molecular Catalysis B: Enzymatic*, **2005**, 33, 57-64		55
41	Transition metal substituted polyoxotungstates for the oxygen delignification of kraft pulp. *Applied Catalysis A: General*, **2005**, 295, 134-141	5.1	20
40	Electrospray tandem mass spectrometry of underivatised acetylated xylo-oligosaccharides. *Rapid Communications in Mass Spectrometry*, **2005**, 19, 3589-99	2.2	27
39	Effect of Glucuronoxylan on the Hornification of Eucalyptus globulus Bleached Pulps. *Macromolecular Symposia*, **2005**, 232, 121-128	0.8	36
38	Bulk and surface composition of ECF bleached hardwood kraft pulp fibres. *Nordic Pulp and Paper Research Journal*, **2004**, 19, 513-520	1.1	17
37	Lignin reactions in oxygen delignification catalysed by Mn(II)-substituted molybdovanadophosphate polyanion. *Holzforschung*, **2004**, 58, 640-649	2	10
36	Structural differentiation of uronosyl substitution patterns in acidic heteroxylans by electrospray tandem mass spectrometry. *Journal of the American Society for Mass Spectrometry*, **2004**, 15, 43-7	3.5	19
35	Polyoxometalate-Catalyzed Oxygen Delignification of Kraft Pulp: A Pilot-Plant Experience. *Industrial & Engineering Chemistry Research*, **2004**, 43, 7754-7761	3.9	31
34	A novel approach for the oxidative catalysis employing polyoxometalate□laccase system: application to the oxygen bleaching of kraft pulp. *Catalysis Communications*, **2004**, 5, 485-489	3.2	38

33	Degradation of biphenyl lignin model compounds by laccase of Trametes versicolor in the presence of 1-hydroxybenzotriazole and heteropolyanion [SiW11VO40]5□*Journal of Molecular Catalysis B: Enzymatic*, **2003**, 22, 13-20		28
32	Application of Electrospray Ionization Mass Spectrometry to the Elucidation of the Primary Structure of Lignin. *Macromolecular Bioscience*, **2003**, 3, 339-343	5.5	56
31	Oxygen bleaching of kraft pulp catalysed by Mn(III)-substituted polyoxometalates. *Applied Catalysis A: General*, **2003**, 239, 157-168	5.1	35
30	Characterization of an acetylated heteroxylan from Eucalyptus globulus Labill. *Carbohydrate Research*, **2003**, 338, 597-604	2.9	169
29	Synthesis of Coniferins 13C-Enriched at Position 4 or 5 of the Guaiacyl Ring. *Holzforschung*, **2003**, 57, 485-488	2	4
28	Easily Degradable Chlorinated Compounds Derived from Glucuronoxylan in Filtrates from Chlorine Dioxide Bleaching of Eucalyptus globulus Kraft Pulp. *Holzforschung*, **2003**, 57, 81-87	2	7
27	Chemical characterisation of bark and of alkaline bark extracts from maritime pine grown in Portugal. *Industrial Crops and Products*, **2002**, 16, 23-32	5.9	80
26	BEHAVIOR OF EUCALYPTUS GLOBULUS LIGNIN DURING KRAFT PULPING. I. ANALYSIS BY CHEMICAL DEGRADATION METHODS. *Journal of Wood Chemistry and Technology*, **2002**, 22, 93-108	2	31
25	BEHAVIOR OF EUCALYPTUS GLOBULUS LIGNIN DURING KRAFT PULPING. II. ANALYSIS BY NMR, ESI/MS, AND GPC. *Journal of Wood Chemistry and Technology*, **2002**, 22, 109-125	2	49
24	Effect of Pulping Conditions on the ECF Bleachability of Eucalyptus globulus Kraft Pulps. *Industrial & Engineering Chemistry Research*, **2002**, 41, 6200-6206	3.9	6
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