Antje Potthast

List of Publications by Year in Descending Order

348 papers	7,727 citations	45 h-index	71 g-index
375 ext. papers	9,038 ext. citations	5.3 avg, IF	6.1 L-index

#	Paper	IF	Citations
348	Inter-laboratory analysis of cereal beta-glucan extracts of nutritional importance: An evaluation of different methods for determining weight-average molecular weight and molecular weight distribution. *Food Hydrocolloids*, **2022**, 127, 107510	10.6	0
347	Assessing Fire-Damage in Historical Papers and Alleviating Damage with Soft Cellulose Nanofibers.. *Small*, **2022**, e2105420	11	0
346	A fast method to measure the degree of oxidation of dialdehyde celluloses using multivariate calibration and infrared spectroscopy.. *Carbohydrate Polymers*, **2022**, 278, 118887	10.3	9
345	Fourier transform and near infrared dataset of dialdehyde celluloses used to determine the degree of oxidation with chemometric analysis.. *Data in Brief*, **2022**, 40, 107757	1.2	1
344	Protocol for characterizing the molar mass distribution and oxidized functionality profiles of aged transformer papers by gel permeation chromatography (GPC). *Cellulose*, **2022**, 29, 2241-2256	5.5	0
343	Acetylation of cellulose - Another pathway of natural cellulose aging during library storage of books and papers.. *Carbohydrate Polymers*, **2022**, 287, 119323	10.3	2
342	Agricultural utilization of lignosulfonates. *Holzforschung*, **2022**, 76, 155-168	2	2
341	Differences in the content, composition and structure of the lignins from rind and pith of papyrus (Cyperus papyrus L.) culms. *Industrial Crops and Products*, **2021**, 174, 114226	5.9	1
340	Assembling Native Elementary Cellulose Nanofibrils via a Reversible and Regioselective Surface Functionalization. *Journal of the American Chemical Society*, **2021**, 143, 17040-17046	16.4	3
339	Flavonoids naringenin chalcone, naringenin, dihydrotricin, and tricin are lignin monomers in papyrus. *Plant Physiology*, **2021**,	6.6	6
338	Dataset for chemorheological and rheokinetic analysis of carbohydrate-HMF-amine adhesives. *Data in Brief*, **2021**, 39, 107465	1.2	
337	Ongoing development of a semi-quantitative protocol for assessing the suitability of commercial materials used to store or exhibit cellulose-based artworks. *European Physical Journal Plus*, **2021**, 136, 1	3.1	0
336	A general solvent system for the analysis of lignosulfonates by P NMR. *Analytical Methods*, **2021**, 13, 5502-5508	3.2	1
335	Tools for Bark Biorefineries: Studies toward Improved Characterization of Lipophilic Lignocellulosic Extractives by Combining Supercritical Fluid and Gas Chromatography. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 1323-1332	8.3	7
334	Improving the accuracy of estimating paper permanence for accelerated degradation in closed vials. *Cellulose*, **2021**, 28, 4053-4068	5.5	1
333	Fate of Lipophilic Wood Extractives in Oxygen-Based Cellulose Bleaching. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 4840-4849	8.3	2
332	Unique reactivity of nanoporous cellulosic materials mediated by surface-confined water. *Nature Communications*, **2021**, 12, 2513	17.4	14

331	Degradation of cellulosic key chromophores by ozone: a mechanistic and kinetic study. *Cellulose*, **2021**, 28, 6051	5.5	3
330	Chemical and physical interactions of regenerated cellulose yarns and isocyanate-based matrix systems. *Scientific Reports*, **2021**, 11, 11647	4.9	1
329	Sulfuric Acid-Catalyzed Dehydratization of Carbohydrates for the Production of Adhesive Precursors. *ACS Omega*, **2021**, 6, 16641-16648	3.9	0
328	Lignin Quantification of Papyri by TGA-Not a Good Idea. *Molecules*, **2021**, 26,	4.8	4
327	Thermal stability of cellulose insulation in electrical power transformers - A review. *Carbohydrate Polymers*, **2021**, 252, 117196	10.3	11
326	New Opportunities in the Valorization of Technical Lignins. *ChemSusChem*, **2021**, 14, 1016-1036	8.3	31
325	Evaluation of cellulose paper degradation irradiated by an electron beam for conservation treatment. *Cellulose*, **2021**, 28, 1071-1083	5.5	4
324	On nitrogen fixation and "residual nitrogen content" in cellulosic pulps. *Carbohydrate Polymers*, **2021**, 253, 117235	10.3	2
323	Comparative hydrolysis analysis of cellulose samples and aspects of its application in conservation science. *Cellulose*, **2021**, 28, 1-16	5.5	4
322	Partial exchange of ozone by electron beam irradiation shows better viscosity control and less oxidation in cellulose upgrade scenarios. *Carbohydrate Polymers*, **2021**, 265, 118037	10.3	
321	Antioxidant properties and qualitative analysis of phenolic constituents in Ephedra spp. by HPTLC together with injection port derivatization GC-MS. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2021**, 1180, 122877	3.2	3
320	Non-productive binding of cellobiohydrolase i investigated by surface plasmon resonance spectroscopy. *Cellulose*, **2021**, 28, 9525-9545	5.5	3
319	Carbohydrate-hydroxymethylfurfural-amine adhesives: Chemorheological analysis and rheokinetic study. *Polymer*, **2021**, 231, 124128	3.9	1
318	On the role of N-methylmorpholine-N-oxide (NMMO) in the generation of elemental transition metal precipitates in cellulosic materials. *Cellulose*, **2021**, 28, 10143	5.5	
317	Lignin Resists High-Intensity Electron Beam Irradiation. *Biomacromolecules*, **2021**, 22, 4365-4372	6.9	0
316	Multistage fractionation of pine bark by liquid and supercritical carbon dioxide. *Bioresource Technology*, **2021**, 341, 125862	11	1
315	On the chemical interactions of the biomass processing agents γ-valerolactone (GVL) and N-methylmorpholine-N-oxide (NMMO). *Green Chemistry*, **2021**, 23, 5832-5848	10	4
314	Colloidal features of softwood galactoglucomannans-rich extract. *Carbohydrate Polymers*, **2020**, 241, 116368	10.3	5

313	Spruce milled wood lignin: linear, branched or cross-linked?. *Green Chemistry*, **2020**, 22, 3985-4001	10	30
312	Hydrophobic Interaction Chromatography in 2 D Liquid Chromatography Characterization of Lignosulfonates. *ChemSusChem*, **2020**, 13, 4595-4604	8.3	9
311	Modification of softwood kraft pulp fibres using hydrogen peroxide at acidic conditions. *Cellulose*, **2020**, 27, 7191-7202	5.5	2
310	Tailoring Pulp Cellulose with Electron Beam Irradiation: Effects of Lignin and Hemicellulose. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 7235-7243	8.3	7
309	Phytochemical analysis and biological evaluation of Lagochilus species from Uzbekistan. *Industrial Crops and Products*, **2020**, 154, 112715	5.9	1
308	Understanding laccase/HBT-catalyzed grass delignification at the molecular level. *Green Chemistry*, **2020**, 22, 1735-1746	10	13
307	Degradation of the cellulosic key chromophore 2,5-dihydroxy-[1,4]-benzoquinone (DHBQ) under conditions of chlorine dioxide pulp bleaching: formation of rhodizonate as secondary chromophore□ combined experimental and theoretical study. *Cellulose*, **2020**, 27, 3623-3649	5.5	4
306	Combining phytate treatment and nanocellulose stabilization for mitigating iron gall ink damage in historic papers. *Heritage Science*, **2020**, 8,	2.5	4
305	A solid-phase extraction method that eliminates matrix effects of complex pulp mill effluents for the analysis of lipophilic wood extractives. *Nordic Pulp and Paper Research Journal*, **2020**, 35, 577-588	1.1	3
304	Accelerated Aging of Deacidified and Untreated Book Paper in 1967 Compared with 52 Years of Natural Aging. *Restaurator*, **2020**, 41, 131-152	0	0
303	Characterization of Pretreated Fractions and Cellulosic Ethanol Production from Steam-Exploded Eucalyptus urograndis. *Energy & Fuels*, **2020**, 34, 535-545	4.1	1
302	High performance cellulose fibers regenerated from 1-butyl-3-methylimidazolium chloride solution: Effects of viscosity and molecular weight. *Journal of Applied Polymer Science*, **2020**, 137, 48681	2.9	11
301	Infrared and Raman spectra of lignin substructures: Dibenzodioxocin. *Journal of Raman Spectroscopy*, **2020**, 51, 422-431	2.3	9
300	Fabrication of bacterial cellulose-based wound dressings with improved performance by impregnation with alginate. *Materials Science and Engineering C*, **2020**, 110, 110619	8.3	34
299	Stability of TEMPO-oxidized cotton fibers during natural aging. *Carbohydrate Polymers*, **2020**, 230, 115587	10.3	5
298	Direct Quantification of Lignin in Liquors by High Performance Thin Layer Chromatography-Densitometry and Multivariate Calibration. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 16766-16774	8.3	2
297	2D Assignment and quantitative analysis of cellulose and oxidized celluloses using solution-state NMR spectroscopy. *Cellulose*, **2020**, 27, 7929-7953	5.5	9
296	A cautionary note on □exothermic events□upon contact of carbodiimide coupling agents and the cellulose solvent N-methylmorpholine-N-oxide. *Cellulose*, **2020**, 27, 7349-7359	5.5	2

295	Hydroxymethylfurfural and its Derivatives: Potential Key Reactants in Adhesives. *ChemSusChem*, **2020**, 13, 5408-5422	8.3	12
294	Wet esterification of never-dried cellulose: a simple process to surface-acetylated cellulose nanofibers. *Green Chemistry*, **2020**, 22, 5605-5609	10	19
293	Reaction of 2,5-dihydroxy-[1,4]-benzoquinone with nucleophiles - -substitution addition/elimination. *Chemical Communications*, **2020**, 56, 12845-12848	5.8	
292	Gram-scale economical synthesis of trans-coniferyl alcohol and its corresponding thiol. *Holzforschung*, **2020**, 74, 197-202	2	2
291	Lignosulfonate-based polyurethane materials via cyclic carbonates: preparation and characterization. *Holzforschung*, **2020**, 74, 203-211	2	10
290	How alkaline solvents in viscosity measurements affect data for oxidatively damaged celluloses. Cuoxam and Cadoxen. *Carbohydrate Polymers*, **2020**, 240, 116251	10.3	7
289	A General Protocol for Electrospun Non-Woven Fabrics of Dialdehyde Cellulose and Poly(Vinyl Alcohol). *Nanomaterials*, **2020**, 10,	5.4	3
288	Uncommon fatty acids, Iridoids and other secondary metabolites from the medicinal plant species Ixora cibdela Craib (Rubiaceae). *Phytochemistry Letters*, **2019**, 33, 77-80	1.9	5
287	Non-woven fabrics of fine regenerated cellulose fibers prepared from ionic-liquid solution via wet type solution blow spinning. *Carbohydrate Polymers*, **2019**, 226, 115258	10.3	16
286	Changing the Molecular Structure of Kraft Lignins□Ozone Treatment at Alkaline Conditions. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 15163-15172	8.3	5
285	Cellulose Degradation by Calcium Thiocyanate. *Polymers*, **2019**, 11,	4.5	1
284	Soft cellulose II nanospheres: sol-gel behaviour, swelling and material synthesis. *Nanoscale*, **2019**, 11, 17773-17781	7.7	17
283	How Alkaline Solvents in Viscosity Measurements Affect Data for Oxidatively Damaged Celluloses: Cupri-Ethylenediamine. *Biomacromolecules*, **2019**, 20, 4117-4125	6.9	9
282	Quantification of Volatiles from Technical Lignins by Multiple Headspace Sampling-Solid-Phase Microextraction-Gas Chromatography-Mass Spectrometry. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 9896-9903	8.3	5
281	Porous lyocell powders as sound absorbers. *Cellulose*, **2019**, 26, 683-686	5.5	4
280	Fast Approach to the Hydrophobization of Bacterial Cellulose via the Direct Polymerization of Ethyl 2-Cyanoacrylate. *Biomacromolecules*, **2019**, 20, 3142-3146	6.9	4
279	Structural Motifs of Wheat Straw Lignin Differ in Susceptibility to Degradation by the White-Rot Fungus. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 20032-20042	8.3	8
278	Compatibility of Kraft Lignin, Organosolv Lignin and Lignosulfonate With PLA in 3D Printing. *Journal of Wood Chemistry and Technology*, **2019**, 39, 14-30	2	42

277	Knoevenagel Condensation for Modifying the Reducing End Groups of Cellulose Nanocrystals. *ACS Macro Letters*, **2019**, 8, 1642-1647	6.6	14
276	Phytochemical and biological activities of Silene viridiflora extractives. Development and validation of a HPTLC method for quantification of 20-hydroxyecdysone. *Industrial Crops and Products*, **2019**, 129, 542-548	5.9	13
275	Molar Mass Characterization of Crude Lignosulfonates by Asymmetric Flow Field-Flow Fractionation. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 216-223	8.3	7
274	The disastrous copper. Comparing extraction and chelation treatments to face the threat of copper-containing inks on cellulose. *Carbohydrate Polymers*, **2019**, 206, 198-209	10.3	4
273	Effects of ball milling on the structure of cotton cellulose. *Cellulose*, **2019**, 26, 305-328	5.5	162
272	Yellowing and brightness reversion of celluloses: CO or COOH, who is the culprit?. *Cellulose*, **2019**, 26, 429-444	5.5	31
271	Pitfalls in the chemistry of cellulosic key chromophores. *Cellulose*, **2019**, 26, 185-204	5.5	6
270	Sulfonic Acid Group Determination in Lignosulfonates by Headspace Gas Chromatography. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 6240-6246	8.3	12
269	Electrically Conducting Carbon Microparticles by Direct Carbonization of Spent Wood Pulping Liquor. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 3385-3391	8.3	13
268	Self-Standing Nanocellulose Janus-Type Films with Aldehyde and Carboxyl Functionalities. *Biomacromolecules*, **2018**, 19, 973-979	6.9	21
267	Pushing the limits: Quantification of chromophores in real-world paper samples by GC-ECD and EI-GC-MS. *Talanta*, **2018**, 179, 693-699	6.2	3
266	□□calibration - Making optimal use of time and space in quantitative high performance thin layer chromatography. *Journal of Chromatography A*, **2018**, 1533, 193-198	4.5	10
265	A matrix-resistant HPTLC method to quantify monosaccharides in wood-based lignocellulose biorefinery streams. *Holzforschung*, **2018**, 72, 645-652	2	5
264	A General Aqueous Silanization Protocol to Introduce Vinyl, Mercapto or Azido Functionalities onto Cellulose Fibers and Nanocelluloses. *Molecules*, **2018**, 23,	4.8	21
263	Getting Closer to Absolute Molar Masses of Technical Lignins. *ChemSusChem*, **2018**, 11, 3259-3268	8.3	43
262	Professor Dr. Mikhail Yakovlevich Zarubin. *Holzforschung*, **2018**, 72, 433-434	2	
261	Cyclic peroxides as key intermediates in the degradation of cellulosic key chromophores by alkaline hydrogen peroxide: first direct proof by 17O NMR. *Cellulose*, **2018**, 25, 3197-3203	5.5	1
260	Insights into degradation pathways of oxidized anhydroglucose units in cellulose by □alkoxy-elimination: a combined theoretical and experimental approach. *Cellulose*, **2018**, 25, 3797-3814	5.5	25

259	Nonaqueous solution deacidification treatments to prolong the storage life of acidic books: A review of mechanistic and process aspects. *BioResources*, **2018**, 13, 7096-7136	1.3	5
258	Dialdehyde Cellulose Nanofibers by Electrospinning as Polyvinyl Alcohol Blends: Manufacture and Product Characterization. *Journal of Wood Chemistry and Technology*, **2018**, 38, 96-110	2	9
257	Adhesive Mixtures as Sacrificial Substrates in Paper Aging **2018**, 175-189		1
256	Chromophores in cellulosics, XVIII. Degradation of the cellulosic key chromophore 5,8-dihydroxy-[1,4]-naphthoquinone under conditions of chlorine dioxide pulp bleaching: a combined experimental and theoretical study. *Cellulose*, **2018**, 25, 4941-4954	5.5	4
255	Solution-state NMR Analysis of Lignocellulosics in Nonderivatizing Solvents **2018**, 191-222		1
254	Bio-based Aerogels: A New Generation of Thermal Superinsulating Materials **2018**, 371-392		2
253	Recent Progress on Oxygen Delignification of Softwood Kraft Pulp **2018**, 67-97		3
252	Toward a Better Understanding of Cellulose Swelling, Dissolution, and Regeneration on the Molecular Level **2018**, 99-125		6
251	Cellulose Nanofibrils: From Hydrogels to Aerogels **2018**, 277-339		7
250	High-performance Lignocellulosic Fibers Spun from Ionic Liquid Solution **2018**, 341-370		5
249	Lignin-based foams as insulation materials: a review. *Holzforschung*, **2018**, 73, 117-130	2	10
248	Fire-induced structural changes and long-term stability of burned historical rag papers. *Scientific Reports*, **2018**, 8, 12036	4.9	3
247	Ball Milling's Effect on Pine Milled Wood Lignin's Structure and Molar Mass. *Molecules*, **2018**, 23,	4.8	14
246	Degradation of the cellulosic key chromophores 2,5- and 2,6-dihydroxyacetophenone by hydrogen peroxide under alkaline conditions. Chromophores in cellulosics, XVII. *Cellulose*, **2018**, 25, 3815-3826	5.5	1
245	Transparent, Flexible, and Strong 2,3-Dialdehyde Cellulose Films with High Oxygen Barrier Properties. *Biomacromolecules*, **2018**, 19, 2969-2978	6.9	58
244	2,4?:2?,4 Dianhydride of 3-keto-glucoside, a precursor to chromophores of aged, yellow cellulose, and its weak interactions. *Cellulose*, **2017**, 24, 1227-1234	5.5	7
243	Recycling of Analytical Grade Solvents on a Lab Scale with a Purpose-Built Temperature-Controlled Distillation Unit. *Organic Process Research and Development*, **2017**, 21, 578-584	3.9	3
242	Aging of paper - Ultra-fast quantification of 2,5-dihydroxyacetophenone, as a key chromophore in cellulosics, by reactive paper spray-mass spectrometry. *Talanta*, **2017**, 167, 672-680	6.2	14

241	Improved quantification of monosaccharides in complex lignocellulosic biomass matrices: A gas chromatography-mass spectrometry based approach. *Carbohydrate Research*, **2017**, 446-447, 7-12	2.9	9
240	A fast track for the accurate determination of methoxyl and ethoxyl groups in lignin. *RSC Advances*, **2017**, 7, 22974-22982	3.7	21
239	On the mechanism of the unwanted acetylation of polysaccharides by 1,3-dialkylimidazolium acetate ionic liquids: part 2 The impact of lignin on the kinetics of cellulose acetylation. *Cellulose*, **2017**, 24, 2767-2774	5.5	14
238	A cautionary note on thermal runaway reactions in mixtures of 1-alkyl-3-methylimidazolium ionic liquids and N-methylmorpholine-N-oxide. *Cellulose*, **2017**, 24, 1927-1932	5.5	5
237	Enzymatic pulp upgrade for producing high-value cellulose out of a Kraft paper pulp. *Enzyme and Microbial Technology*, **2017**, 102, 67-73	3.8	10
236	A comparison of methods to quantify cationization of cellulosic pulps. *Journal of Wood Chemistry and Technology*, **2017**, 37, 136-147	2	10
235	Molar mass-dependent profiles of functional groups and carbohydrates in kraft lignin. *Journal of Wood Chemistry and Technology*, **2017**, 37, 171-183	2	19
234	Drying of a cellulose II gel: effect of physical modification and redispersibility in water. *Cellulose*, **2017**, 24, 1199-1209	5.5	32
233	The Fate of 4-O-Methyl Glucuronic Acid in Hardwood Xylan during Alkaline Extraction. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 1818-1823	8.3	7
232	Reaction pathways during oxidation of cereal β-glucans. *Carbohydrate Polymers*, **2017**, 157, 1769-1776	10.3	9
231	Janus-faced 5-methyl group in 2-hydroxy-5-methyl-[1,4]-benzoquinone. *Tetrahedron*, **2017**, 73, 6421-6427	2.4	
230	Evaluation of supercritical CO2 dried cellulose aerogels as nano-biomaterials. *Journal of the Korean Physical Society*, **2017**, 71, 483-486	0.6	11
229	Improving molar mass analysis of cellulose samples with limited solubility. *Carbohydrate Polymers*, **2017**, 178, 302-310	10.3	10
228	Deacidification of Acidic Books and Paper by Means of Non-aqueous Dispersions of Alkaline Particles: A Review Focusing on Completeness of the Reaction. *BioResources*, **2017**, 12,	1.3	12
227	Corn stover for biogas production: Effect of steam explosion pretreatment on the gas yields and on the biodegradation kinetics of the primary structural compounds. *Bioresource Technology*, **2017**, 244, 949-956	11	56
226	Chromophores from hexeneuronic acids (HexA): synthesis of model compounds and primary degradation intermediates. *Cellulose*, **2017**, 24, 3703-3723	5.5	9
225	Chromophores from hexeneuronic acids: identification of HexA-derived chromophores. *Cellulose*, **2017**, 24, 3671-3687	5.5	18
224	Chromophores from hexeneuronic acids: chemical behavior under peroxide bleaching conditions. *Cellulose*, **2017**, 24, 3689-3702	5.5	5

223	Superbase ionic liquids for effective cellulose processing from dissolution to carbonisation. *Green Chemistry*, **2017**, 19, 5949-5957	10	33
222	Critical evaluation of approaches toward mass deacidification of paper by dispersed particles. *Cellulose*, **2017**, 24, 323-332	5.5	11
221	Nano meets the sheet: adhesive-free application of nanocellulosic suspensions in paper conservation. *Heritage Science*, **2017**, 5,	2.5	22
220	Safe and Ecological Refluxing with a Closed-Loop Air Cooling System. *ChemSusChem*, **2017**, 10, 461-465	8.3	1
219	Surface properties and porosity of highly porous, nanostructured cellulose II particles. *Cellulose*, **2017**, 24, 435-440	5.5	28
218	Fast Track to Molar-Mass Distributions of Technical Lignins. *ChemSusChem*, **2017**, 10, 629-635	8.3	25
217	Xylan Localization on Pulp and Viscose Fiber Surfaces. *BioResources*, **2017**, 12,	1.3	3
216	Synthesis and Characterization of Periodate-Oxidized Polysaccharides: Dialdehyde Xylan (DAX). *Biomacromolecules*, **2016**, 17, 2972-80	6.9	52
215	Oxidation and structural changes in NMMO-regenerated cellulose films. *Cellulose*, **2016**, 23, 3535-3541	5.5	11
214	Filling the gap: Calibration of the low molar-mass range of cellulose in size exclusion chromatography with cello-oligomers. *Journal of Chromatography A*, **2016**, 1471, 87-93	4.5	5
213	Degradation and Crystallization of Cellulose in Hydrogen Chloride Vapor for High-Yield Isolation of Cellulose Nanocrystals. *Angewandte Chemie - International Edition*, **2016**, 55, 14455-14458	16.4	83
212	Novel paper sizing agents based on renewables. Part 8: on the binding behavior of reactive sizing agents the question of covalent versus adsorptive binding. *Cellulose*, **2016**, 23, 823-836	5.5	4
211	Nanostructured Cellulose II Gel Consisting of Spherical Particles. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 4424-4432	8.3	29
210	The museum in a test tube Adding a third dimension to the evaluation of the impact of volatile organic acids on paper. *Polymer Degradation and Stability*, **2016**, 130, 109-117	4.7	10
209	Aqueous Modification of Nano- and Microfibrillar Cellulose with a Click Synthon. *ChemSusChem*, **2016**, 9, 75-9	8.3	25
208	Preparation and analytical characterisation of pure fractions of cellooligosaccharides. *Journal of Chromatography A*, **2016**, 1431, 47-54	4.5	16
207	Properties of Cellulosic Material after Cationization in Different Solvents. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 2295-2301	8.3	33
206	Detection of Cellulose-Derived Chromophores by Ambient Ionization-MS. *Analytical Chemistry*, **2016**, 88, 1253-8	7.8	12

205	Synthesis of redispersible spherical cellulose II nanoparticles decorated with carboxylate groups. *Green Chemistry*, **2016**, 18, 1465-1468	10	30
204	Thin Layer Chromatography and the Analysis of Wood Derived Biomass - A Review. *Current Chromatography*, **2016**, 3, 75-85	0.4	4
203	Vertrauen ist gut, Kontrolle ist besser Kriterien f Testpapiere zur Qualit skontrolle in der Mengenents erung nach der neuen ISO / TS 18344. *ABI Technik, Zeitschrift F Automation, Bau Und Technik Im Archiv-, Bibliotheks- Und Informationswesen*, **2016**, 36, 68-77	0.1	
202	Regeneration of Aqueous Periodate Solutions by Ozone Treatment: A Sustainable Approach for Dialdehyde Cellulose Production. *ChemSusChem*, **2016**, 9, 825-33	8.3	37
201	Stabilization of Verdigris. *Journal of Paper Conservation*, **2016**, 17, 88-99	0	7
200	A precise study on effects that trigger alkaline hemicellulose extraction efficiency. *Bioresource Technology*, **2016**, 214, 460-467	11	13
199	Lignocellulose Nanofiber-Reinforced Polystyrene Produced from Composite Microspheres Obtained in Suspension Polymerization Shows Superior Mechanical Performance. *ACS Applied Materials & Interfaces*, **2016**, 8, 13520-5	9.5	46
198	Lignin profiling in extracted xylans by size-exclusion chromatography. *Carbohydrate Polymers*, **2016**, 151, 821-826	10.3	5
197	Biogas production from reed biomass: Effect of pretreatment using different steam explosion conditions. *Biomass and Bioenergy*, **2016**, 95, 84-91	5.3	61
196	Cellulosic fines: Properties and effects. *Progress in Materials Science*, **2016**, 83, 574-594	42.2	25
195	Bacterial cellulose as a material for wound treatment: Properties and modifications. A review. *Biotechnology Advances*, **2015**, 33, 1547-71	17.8	247
194	Characterization of technical lignins by NMR spectroscopy: optimization of functional group analysis by 31P NMR spectroscopy. *Holzforschung*, **2015**, 69, 807-814	2	48
193	The effect of a combined biological and thermo-mechanical pretreatment of wheat straw on energy yields in coupled ethanol and methane generation. *Bioresource Technology*, **2015**, 194, 7-13	11	24
192	Comparison testing of methods for gel permeation chromatography of cellulose: coming closer to a standard protocol. *Cellulose*, **2015**, 22, 1591-1613	5.5	83
191	Effects of periodate oxidation on cellulose polymorphs. *Cellulose*, **2015**, 22, 2245-2261	5.5	57
190	Mechanochemical reactions of cellulose and styrene. *Cellulose*, **2015**, 22, 3217-3224	5.5	13
189	Fast track for quantitative isolation of lignosulfonates from spent sulfite liquors. *RSC Advances*, **2015**, 5, 92732-92742	3.7	34
188	Determination of molar mass distributions of highly oxidized dialdehyde cellulose by size exclusion chromatography and asymmetric flow field-flow fractionation. *Cellulose*, **2015**, 22, 3569-3581	5.5	21

187	Changes in the structure of cellulose aerogels with depolymerization. *Journal of the Korean Physical Society*, **2015**, 67, 742-745	0.6	3
186	How copper corrosion can be retarded--New ways investigating a chronic problem for cellulose in paper. *Carbohydrate Polymers*, **2015**, 134, 136-43	10.3	8
185	Preparation and Analysis of Cello- and Xylooligosaccharides. *Advances in Polymer Science*, **2015**, 53-92	1.3	4
184	Synthesis, characterization and photo-bactericidal activity of silanized xanthene-modified bacterial cellulose membranes. *Cellulose*, **2015**, 22, 3291-3304	5.5	16
183	Effects of inorganic salts on the degradation of 2,5-dihydroxy-[1,4]-benzoquinone as a key chromophore in pulps by hydrogen peroxide under basic conditions. *Holzforschung*, **2015**, 69, 685-693	2	3
182	Analysis of degradation products in rayon spinning baths. *Holzforschung*, **2015**, 69, 695-702	2	9
181	On the mechanism of the unwanted acetylation of polysaccharides by 1,3-dialkylimidazolium acetate ionic liquids: part 1. analysis, acetylating agent, influence of water, and mechanistic considerations. *Cellulose*, **2015**, 22, 3583-3596	5.5	22
180	Overview of Methods for the Direct Molar Mass Determination of Cellulose. *Molecules*, **2015**, 20, 10313-41	4.8	68
179	Professor Dr. Arnis Treimanis. *Holzforschung*, **2015**, 69, 375-376	2	
178	Studies on the Conservation of Verdigris on Paper. *Restaurator*, **2015**, 36,	0	6
177	Chromophores in lignin-free cellulosic materials belong to three compound classes. Chromophores in cellulosics, XII. *Cellulose*, **2015**, 22, 1053-1062	5.5	35
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