Lars WÃ¥gberg

List of Publications by Year
in descending order

267 papers	15,626 citations	16451 64 h-index	22832 112 g-index
273 all docs	273 docs citations	273 times ranked	12504 citing authors

#	Article	IF	Citations
1	Cellulose and the role of hydrogen bonds: not in charge of everything. Cellulose, 2022, 29, 1-23.	4.9	158
2	The effect of crosslinking on ion transport in nanocellulose-based membranes. Carbohydrate Polymers, 2022, 278, 118938.	10.2	11
3	Understanding the Drying Behavior of Regenerated Cellulose Gel Beads: The Effects of Concentration and Nonsolvents. ACS Nano, 2022, 16, 2608-2620.	14.6	11
4	Surface tailoring of cellulose aerogel-like structures with ultrathin coatings using molecular layer-by-layer assembly. Carbohydrate Polymers, 2022, 282, 119098.	10.2	11
5	Adsorption of paper strength additives to hardwood fibres with different surface charges and their effect on paper strength. Cellulose, 2022, 29, 2617-2632.	4.9	8
6	Spinning of Stiff and Conductive Filaments from Cellulose Nanofibrils and PEDOT:PSS Nanocomplexes. ACS Applied Polymer Materials, 2022, 4, 4119-4130.	4.4	8
7	Sulfonated Cellulose Membranes Improve the Stability of Aqueous Organic Redox Flow Batteries. Advanced Energy and Sustainability Research, 2022, 3, .	5.8	5
8	Water-resistant hybrid cellulose nanofibril films prepared by charge reversal on gibbsite nanoclays. Carbohydrate Polymers, 2022, 295, 119867.	10.2	3
9	The Use of Layerâ€byâ€Layer Selfâ€Assembly and Nanocellulose to Prepare Advanced Functional Materials. Advanced Materials, 2021, 33, e2001474.	21.0	71
10	PEDOT:PSS nano-particles in aqueous media: A comparative experimental and molecular dynamics study of particle size, morphology and z-potential. Journal of Colloid and Interface Science, 2021, 584, 57-66.	9.4	36
11	The use of model cellulose gel beads to clarify flame-retardant characteristics of layer-by-layer nanocoatings. Carbohydrate Polymers, 2021, 255, 117468.	10.2	15
12	Radicalâ€Based Synthesis and Modification of Amino Acids. Angewandte Chemie - International Edition, 2021, 60, 1098-1115.	13.8	85
13	Developing fibrillated cellulose as a sustainable technological material. Nature, 2021, 590, 47-56.	27.8	711
14	Entropy drives the adsorption of xyloglucan to cellulose surfaces â€" A molecular dynamics study. Journal of Colloid and Interface Science, 2021, 588, 485-493.	9.4	47
15	Functional Lignin Nanoparticles with Tunable Size and Surface Properties: Fabrication, Characterization, and Use in Layer-by-Layer Assembly. ACS Applied Materials & Interfaces, 2021, 13, 26308-26317.	8.0	13
16	Hierarchical build-up of bio-based nanofibrous materials with tunable metalâ€"organic framework biofunctionality. Materials Today, 2021, 48, 47-58.	14.2	38
17	On the interaction between PEDOT:PSS and cellulose: Adsorption mechanisms and controlling factors. Carbohydrate Polymers, 2021, 260, 117818.	10.2	18
18	Synthesis of Î³-Oxo-Î±-amino Acids via Radical Acylation with Carboxylic Acids. Journal of Organic Chemistry, 2021, 86, 8448-8456.	3.2	20

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19	Advanced Characterization of Self-Fibrillating Cellulose Fibers and Their Use in Tunable Filters. ACS Applied Materials & Interfaces, 2021, 13, 32467-32478.	8.0	6
20	Layerâ€byâ€Layer Assembly of Strong Thin Films with High Lithium Ion Conductance for Batteries and Beyond. Small, 2021, 17, e2100954.	10.0	15
21	Redispersion Strategies for Dried Cellulose Nanofibrils. ACS Sustainable Chemistry and Engineering, 2021, 9, 11003-11010.	6.7	21
22	Structure Development of the Interphase between Drying Cellulose Materials Revealed by In Situ Grazing-Incidence Small-Angle X-ray Scattering. Biomacromolecules, 2021, 22, 4274-4283.	5.4	8
23	Polyelectrolyte-Assisted Dispersions of Reduced Graphite Oxide Nanoplates in Water and Their Gas-Barrier Application. ACS Applied Materials & Interfaces, 2021, 13, 43301-43313.	8.0	7
24	Specific ion effects in the adsorption of carboxymethyl cellulose on cellulose: The influence of industrially relevant divalent cations. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 626, 127006.	4.7	7
25	Layerâ€byâ€Layer Selfâ€Assembled Nanostructured Electrodes for Lithiumâ€Ion Batteries. Small, 2021, 17, e2006434.	10.0	12
26	Layer-by-layer modified low density cellulose fiber networks: A sustainable and fireproof alternative to petroleum based foams. Carbohydrate Polymers, 2020, 230, 115616.	10.2	21
27	Influence of Solubility on the Adsorption of Different Xyloglucan Fractions at Celluloseâ€“Water Interfaces. Biomacromolecules, 2020, 21, 772-782.	5.4	16
28	Coaxial Spinning of Oriented Nanocellulose Filaments and Coreâ€“Shell Structures for Interactive Materials and Fiber-Reinforced Composites. ACS Applied Nano Materials, 2020, 3, 10246-10251.	5.0	17
29	Swelling of Cellulose-Based Fibrillar and Polymeric Networks Driven by Ion-Induced Osmotic Pressure. Langmuir, 2020, 36, 12261-12271.	3.5	10
30	Self-Assembled Polyester Dendrimer/Cellulose Nanofibril Hydrogels with Extraordinary Antibacterial Activity. Pharmaceutics, 2020, 12, 1139.	4.5	12
31	Tailoring of rheological properties and structural polydispersity effects in microfibrillated cellulose suspensions. Cellulose, 2020, 27, 9227-9241.	4.9	25
32	Macro- and Microstructural Evolution during Drying of Regenerated Cellulose Beads. ACS Nano, 2020, 14, 6774-6784.	14.6	41
33	Wet-expandable capsules made from partially modified cellulose. Green Chemistry, 2020, 22, 4581-4592.	9.0	7
34	Dendritic Polyampholyte-Assisted Formation of Functional Cellulose Nanofibril Materials. Biomacromolecules, 2020, 21, 2856-2863.	5.4	4
35	Acetylation and Sugar Composition Influence the (In)Solubility of Plant Î²-Mannans and Their Interaction with Cellulose Surfaces. ACS Sustainable Chemistry and Engineering, 2020, 8, 10027-10040.	6.7	25
36	Best Practice for Reporting Wet Mechanical Properties of Nanocellulose-Based Materials. Biomacromolecules, 2020, 21, 2536-2540.	5.4	30

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37	Synthesis of Unnatural Î±â€Amino Acid Derivatives via Lightâ€Mediated Radical Decarboxylative Processes. Advanced Synthesis and Catalysis, 2020, 362, 2354-2359.	4.3	37
38	Self-Fibrillating Cellulose Fibers: Rapid In Situ Nanofibrillation to Prepare Strong, Transparent, and Gas Barrier Nanopapers. Biomacromolecules, 2020, 21, 1480-1488.	5.4	26
39	Development of mechanical properties of regenerated cellulose beads during drying as investigated by atomic force microscopy. Soft Matter, 2020, 16, 6457-6462.	2.7	10
40	Ambientâ€Dried, 3Dâ€Printable and Electrically Conducting Cellulose Nanofiber Aerogels by Inclusion of Functional Polymers. Advanced Functional Materials, 2020, 30, 1909383.	14.9	92
41	Bactericidal surfaces prepared by femtosecond laser patterning and layer-by-layer polyelectrolyte coating. Journal of Colloid and Interface Science, 2020, 575, 286-297.	9.4	13
42	In Situ Modification of Regenerated Cellulose Beads: Creating All-Cellulose Composites. Industrial & Engineering Chemistry Research, 2020, 59, 2968-2976.	3.7	13
43	Multifunctional Nanocomposites with High Strength and Capacitance Using 2D MXene and 1D Nanocellulose. Advanced Materials, 2019, 31, e1902977.	21.0	253
44	Layer-by-Layer Assembly of High-Performance Electroactive Composites Using a Multiple Charged Small Molecule. Langmuir, 2019, 35, 10367-10373.	3.5	5
45	Controlling the Organization of PEDOT:PSS on Cellulose Structures. ACS Applied Polymer Materials, 2019, 1, 2342-2351.	4.4	40
46	Ionâ€Specific Assembly of Strong, Tough, and Stiff Biofibers. Angewandte Chemie, 2019, 131, 18735-18742.	2.0	13
47	Ionâ€Specific Assembly of Strong, Tough, and Stiff Biofibers. Angewandte Chemie - International Edition, 2019, 58, 18562-18569.	13.8	47
48	Interfacial Polymerization of Cellulose Nanocrystal Polyamide Janus Nanocomposites with Controlled Architectures. ACS Macro Letters, 2019, 8, 1334-1340.	4.8	18
49	Experimental and Theoretical Evaluation of the Solubility/Insolubility of Spruce Xylan (Arabino) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	5.4	16
50	Explaining the Exceptional Wet Integrity of Transparent Cellulose Nanofibril Films in the Presence of Multivalent Ionsâ€"Suitable Substrates for Biointerfaces. Advanced Materials Interfaces, 2019, 6, 1900333.	3.7	26
51	Unidirectional Swelling of Dynamic Cellulose Nanofibril Networks: A Platform for Tunable Hydrogels and Aerogels with 3D Shapeability. Biomacromolecules, 2019, 20, 2406-2412.	5.4	36
52	Influence of Cellulose Charge on Bacteria Adhesion and Viability to PVAm/CNF/PVAm-Modified Cellulose Model Surfaces. Biomacromolecules, 2019, 20, 2075-2083.	5.4	34
53	Thermodynamics of the Water-Retaining Properties of Cellulose-Based Networks. Biomacromolecules, 2019, 20, 1603-1612.	5.4	20
54	Ion-induced assemblies of highly anisotropic nanoparticles are governed by ionâ€"ion correlation and specific ion effects. Nanoscale, 2019, 11, 3514-3520.	5.6	47

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55	Cross-Linked and Shapeable Porous 3D Substrates from Freeze-Linked Cellulose Nanofibrils. Biomacromolecules, 2019, 20, 728-737.	5.4	24
56	Super Gas Barrier and Fire Resistance of Nanoplatelet/Nanofibril Multilayer Thin Films. Advanced Materials Interfaces, 2019, 6, 1801424.	3.7	44
57	Towards optimised size distribution in commercial microfibrillated cellulose: a fractionation approach. Cellulose, 2019, 26, 1565-1575.	4.9	38
58	Macroscopic cellulose probes for the measurement of polymer grafted surfaces. Cellulose, 2019, 26, 1467-1477.	4.9	7
59	Carbohydrate gel beads as model probes for quantifying non-ionic and ionic contributions behind the swelling of delignified plant fibers. Journal of Colloid and Interface Science, 2018, 519, 119-129.	9.4	19
60	Anisotropic, lightweight, strong, and super thermally insulating nanowood with naturally aligned nanocellulose. Science Advances, 2018, 4, eaar3724.	10.3	336
61	Supramolecular double networks of cellulose nanofibrils and algal polysaccharides with excellent wet mechanical properties. Green Chemistry, 2018, 20, 2558-2570.	9.0	76
62	Interpenetrated Networks of Nanocellulose and Polyacrylamide with Excellent Mechanical and Absorptive Properties. Macromolecular Materials and Engineering, 2018, 303, 1700594.	3.6	8
63	All-natural and highly flame-resistant freeze-cast foams based on phosphorylated cellulose nanofibrils. Nanoscale, 2018, 10, 4085-4095.	5.6	87
64	Tailoring flame-retardancy and strength of papers via layer-by-layer treatment of cellulose fibers. Cellulose, 2018, 25, 2691-2709.	4.9	25
65	Effect of Chemical Functionality on the Mechanical and Barrier Performance of Nanocellulose Films. ACS Applied Nano Materials, 2018, 1, 1959-1967.	5.0	20
66	Solubility of Softwood Hemicelluloses. Biomacromolecules, 2018, 19, 1245-1255.	5.4	37
67	Chemical modification of cellulose-rich fibres to clarify the influence of the chemical structure on the physical and mechanical properties of cellulose fibres and thereof made sheets. Carbohydrate Polymers, 2018, 182, 1-7.	10.2	43
68	Insights into the EDC-mediated PEGylation of cellulose nanofibrils and their colloidal stability. Carbohydrate Polymers, 2018, 181, 871-878.	10.2	33
69	Copperâ€Plated Paper for Highâ€Performance Lithiumâ€Ion Batteries. Small, 2018, 14, e1803313.	10.0	18
70	On the mechanism behind freezing-induced chemical crosslinking in ice-templated cellulose nanofibril aerogels. Journal of Materials Chemistry A, 2018, 6, 19371-19380.	10.3	63
71	Genetically Engineered Mucoadhesive Spider Silk. Biomacromolecules, 2018, 19, 3268-3279.	5.4	11
72	Novel, Cellulose-Based, Lightweight, Wet-Resilient Materials with Tunable Porosity, Density, and Strength. ACS Sustainable Chemistry and Engineering, 2018, 6, 9951-9957.	6.7	18

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73	Multiscale Control of Nanocellulose Assembly: Transferring Remarkable Nanoscale Fibril Mechanics to Macroscale Fibers. ACS Nano, 2018, 12, 6378-6388.	14.6	359
74	Tuning the Nanoscale Properties of Phosphorylated Cellulose Nanofibril-Based Thin Films To Achieve Highly Fire-Protecting Coatings for Flammable Solid Materials. ACS Applied Materials & Interfaces, 2018, 10, 32543-32555.	8.0	31
75	Influence of Surface Charge Density and Morphology on the Formation of Polyelectrolyte Multilayers on Smooth Charged Cellulose Surfaces. Langmuir, 2017, 33, 968-979.	3.5	31
76	Understanding the Dispersive Action of Nanocellulose for Carbon Nanomaterials. Nano Letters, 2017, 17, 1439-1447.	9.1	219
77	Bacterial adhesion to polyvinylamine-modified nanocellulose films. Colloids and Surfaces B: Biointerfaces, 2017, 151, 224-231.	5.0	19
78	Internal Structure of Isolated Cellulose I Fibril Aggregates in the Water Swollen State. ACS Symposium Series, 2017, , 91-112.	0.5	2
79	Layer by Layer-functionalized rice husk particles: A novel and sustainable solution for particleboard production. Materials Today Communications, 2017, 13, 92-101.	1.9	23
80	Formation of Colloidal Nanocellulose Glasses and Gels. Langmuir, 2017, 33, 9772-9780.	3.5	89
81	Ultrastrong and flame-resistant freestanding films from nanocelluloses, self-assembled using a layer-by-layer approach. Applied Materials Today, 2017, 9, 229-239.	4.3	31
82	Effect of cationic polyelectrolytes in contact-active antibacterial layer-by-layer functionalization. Holzforschung, 2017, 71, 649-658.	1.9	10
83	Superior Flame-Resistant Cellulose Nanofibril Aerogels Modified with Hybrid Layer-by-Layer Coatings. ACS Applied Materials & Interfaces, 2017, 9, 29082-29092.	8.0	99
84	Chemically modified cellulose micro- and nanofibrils as paper-strength additives. Cellulose, 2017, 24, 3883-3899.	4.9	41
85	The effect of different wear on superhydrophobic wax coatings. Nordic Pulp and Paper Research Journal, 2017, 32, 195-203.	0.7	2
86	Thermoelectric Polymers and their Elastic Aerogels. Advanced Materials, 2016, 28, 4556-4562.	21.0	157
87	Theoretical and Experimental Investigations of Polyelectrolyte Adsorption Dependence on Molecular Weight. Langmuir, 2016, 32, 5721-5730.	3.5	9
88	Strong, Water-Durable, and Wet-Resilient Cellulose Nanofibril-Stabilized Foams from Oven Drying. ACS Applied Materials & Interfaces, 2016, 8, 11682-11689.	8.0	86
89	Strong and tuneable wet adhesion with rationally designed layer-by-layer assembled triblock copolymer films. Nanoscale, 2016, 8, 18204-18211.	5.6	2
90	On the relationship between fibre composition and material properties following periodate oxidation and borohydride reduction of lignocellulosic fibres. Cellulose, 2016, 23, 3495-3510.	4.9	20

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91	An Organic Mixed Ionâ€“Electron Conductor for Power Electronics. Advanced Science, 2016, 3, 1500305.	11.2	188
92	Rapid Development of Wet Adhesion between Carboxymethylcellulose Modified Cellulose Surfaces Laminated with Polyvinylamine Adhesive. ACS Applied Materials & Interfaces, 2016, 8, 24161-24167.	8.0	17
93	Adsorption of Xyloglucan onto Cellulose Surfaces of Different Morphologies: An Entropy-Driven Process. Biomacromolecules, 2016, 17, 2801-2811.	5.4	68
94	Solid cellulose nanofiber based foams â€“ Towards facile design of sustained drug delivery systems. Journal of Controlled Release, 2016, 244, 74-82.	9.9	62
95	Macro- and mesoporous nanocellulose beads for use in energy storage devices. Applied Materials Today, 2016, 5, 246-254.	4.3	47
96	Contact-active antibacterial aerogels from cellulose nanofibrils. Colloids and Surfaces B: Biointerfaces, 2016, 146, 415-422.	5.0	33
97	Two-Dimensional Aggregation and Semidilute Ordering in Cellulose Nanocrystals. Langmuir, 2016, 32, 442-450.	3.5	76
98	Pilot-scale papermaking using Layer-by-Layer treated fibres; comparison between the effects of beating and of sequential addition of polymeric additives. Nordic Pulp and Paper Research Journal, 2016, 31, 308-314.	0.7	3
99	Structural changes during swelling of highly charged cellulose fibres. Cellulose, 2015, 22, 2943-2953.	4.9	20
100	Trapping of Water Drops by Line-Shaped Defects on Superhydrophobic Surfaces. Langmuir, 2015, 31, 6367-6374.	3.5	5
101	Self-assembled three-dimensional and compressible interdigitated thin-film supercapacitors and batteries. Nature Communications, 2015, 6, 7259.	12.8	246
102	Mechanisms Behind the Stabilizing Action of Cellulose Nanofibrils in Wet-Stable Cellulose Foams. Biomacromolecules, 2015, 16, 822-831.	5.4	77
103	Development of a Semicontinuous Spray Process for the Production of Superhydrophobic Coatings from Supercritical Carbon Dioxide Solutions. Industrial & Engineering Chemistry Research, 2015, 54, 1059-1067.	3.7	16
104	Nanometer-Thick Hyaluronic Acid Self-Assemblies with Strong Adhesive Properties. ACS Applied Materials & Interfaces, 2015, 7, 15143-15147.	8.0	6
105	Hierarchical wood cellulose fiber/epoxy biocomposites â€“ Materials design of fiber porosity and nanostructure. Composites Part A: Applied Science and Manufacturing, 2015, 74, 60-68.	7.6	52
106	Contact-active antibacterial multilayers on fibres: a step towards understanding the antibacterial mechanism by increasing theÂ fibre charge. Cellulose, 2015, 22, 2023-2034.	4.9	21
107	Vibrational Sum Frequency Spectroscopy on Polyelectrolyte Multilayers: Effect of Molecular Surface Structure on Macroscopic Wetting Properties. Langmuir, 2015, 31, 4435-4442.	3.5	4
108	Phosphorylated Cellulose Nanofibrils: A Renewable Nanomaterial for the Preparation of Intrinsically Flame-Retardant Materials. Biomacromolecules, 2015, 16, 3399-3410.	5.4	267

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109	Flame-Retardant Paper from Wood Fibers Functionalized via Layer-by-Layer Assembly. ACS Applied Materials & Interfaces, 2015, 7, 23750-23759.	8.0	92
110	Cellulosic nanofibrils from eucalyptus, acacia and pine fibers. Nordic Pulp and Paper Research Journal, 2014, 29, 176-184.	0.7	47
111	Structure and Properties of Layer-by-Layer Films from Combinations of Cellulose Nanofibers, Polyelectrolytes and Colloids. Materials and Energy, 2014, , 57-77.	0.1	0
112	Robust and Tailored Wet Adhesion in Biopolymer Thin Films. Biomacromolecules, 2014, 15, 4420-4428.	5.4	17
113	Nanometer Smooth, Macroscopic Spherical Cellulose Probes for Contact Adhesion Measurements. ACS Applied Materials & Interfaces, 2014, 6, 20928-20935.	8.0	25
114	New insights into the mechanisms behind the strengthening of lignocellulosic fibrous networks with polyamines. Cellulose, 2014, 21, 3941-3950.	4.9	13
115	Assembly of Debranched Xylan from Solution and on Nanocellulosic Surfaces. Biomacromolecules, 2014, 15, 924-930.	5.4	62
116	Aligned cellulose nanocrystals and directed nanoscale deposition of colloidal spheres. Cellulose, 2014, 21, 1591-1599.	4.9	17
117	Highly Conducting, Strong Nanocomposites Based on Nanocellulose-Assisted Aqueous Dispersions of Single-Wall Carbon Nanotubes. ACS Nano, 2014, 8, 2467-2476.	14.6	325
118	Native and functionalized micrometre-sized cellulose capsules prepared by microfluidic flow focusing. RSC Advances, 2014, 4, 19061-19067.	3.6	16
119	Immunoselective Cellulose Nanospheres: A Versatile Platform for Nanotheranostics. ACS Macro Letters, 2014, 3, 1117-1120.	4.8	17
120	Ductile All-Cellulose Nanocomposite Films Fabricated from Coreâ€“Shell Structured Cellulose Nanofibrils. Biomacromolecules, 2014, 15, 2218-2223.	5.4	84
121	Superhydrophobic polymeric coatings produced by rapid expansion of supercritical solutions combined with electrostatic deposition (RESS-ED). Journal of Supercritical Fluids, 2014, 95, 610-617.	3.2	16
122	Modification of cellulose model surfaces by cationic polymer latexes prepared by RAFT-mediated surfactant-free emulsion polymerization. Polymer Chemistry, 2014, 5, 6076-6086.	3.9	62
123	Highly ductile fibres and sheets by core-shell structuring of the cellulose nanofibrils. Cellulose, 2014, 21, 323-333.	4.9	68
124	Hydrodynamic alignment and assembly of nanofibrils resulting in strong cellulose filaments. Nature Communications, 2014, 5, 4018.	12.8	402
125	Lightweight, Highly Compressible, Noncrystalline Cellulose Capsules. Langmuir, 2014, 30, 7635-7644.	3.5	8
126	Towards a super-strainable paper using the Layer-by-Layer technique. Carbohydrate Polymers, 2014, 100, 218-224.	10.2	40

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127	Improved barrier films of cross-linked cellulose nanofibrils: a microscopy study. Green Materials, 2014, 2, 163-168.	2.1	17
128	Editorial: green nanocomposites. Green Materials, 2014, 2, 161-162.	2.1	1
129	Thermo-responsive nanofibrillated cellulose by polyelectrolyte adsorption. European Polymer Journal, 2013, 49, 2689-2696.	5.4	44
130	Polyelectrolyte Complexes for Tailoring of Wood Fibre Surfaces. Advances in Polymer Science, 2013, , 1-24.	0.8	4
131	Transparent Nanocellulosic Multilayer Thin Films on Polylactic Acid with Tunable Gas Barrier Properties. ACS Applied Materials & Interfaces, 2013, 5, 7352-7359.	8.0	137
132	Water Drop Friction on Superhydrophobic Surfaces. Langmuir, 2013, 29, 9079-9089.	3.5	61
133	The effect of superhydrophobic wetting state on corrosion protection â€" The AKD example. Journal of Colloid and Interface Science, 2013, 412, 56-64.	9.4	68
134	Lightweight and Strong Cellulose Materials Made from Aqueous Foams Stabilized by Nanofibrillated Cellulose. Biomacromolecules, 2013, 14, 503-511.	5.4	196
135	Tailoring the effect of antibacterial polyelectrolyte multilayers by choice of cellulosic fiber substrate. Holzforschung, 2013, 67, 573-578.	1.9	4
136	Dielectric properties of lignin and glucomannan as determined by spectroscopic ellipsometry and Lifshitz estimates of non-retarded Hamaker constants. Cellulose, 2013, 20, 1639-1648.	4.9	28
137	Hollow cellulose capsules from CO2 saturated cellulose solutionsâ€"their preparation and characterization. RSC Advances, 2013, 3, 2462.	3.6	24
138	Transparent and conductive paper from nanocellulose fibers. Energy and Environmental Science, 2013, 6, 513-518.	30.8	431
139	Nanocellulose Aerogels Functionalized by Rapid Layerâ€byâ€Layer Assembly for High Charge Storage and Beyond. Angewandte Chemie - International Edition, 2013, 52, 12038-12042.	13.8	196
140	Towards superhydrophobic coatings made by non-fluorinated polymers sprayed from a supercritical solution. Journal of Supercritical Fluids, 2013, 77, 134-141.	3.2	14
141	Preparation of dry ultra-porous cellulosic fibres: Characterization and possible initial uses. Carbohydrate Polymers, 2013, 92, 775-783.	10.2	31
142	Nanostructured paper for flexible energy and electronic devices. MRS Bulletin, 2013, 38, 320-325.	3.5	199
143	Flexible nano-paper-based positive electrodes for Li-ion batteriesâ€"Preparation process and properties. Nano Energy, 2013, 2, 794-800.	16.0	73
144	Silicon-conductive nanopaper for Li-ion batteries. Nano Energy, 2013, 2, 138-145.	16.0	155

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145	A physical cross-linking process of cellulose nanofibril gels with shear-controlled fibril orientation. Soft Matter, 2013, 9, 1852-1863.	2.7	81
146	Evaluating Pore Space in Macroporous Ceramics with Waterâ€Based Porosimetry. Journal of the American Ceramic Society, 2013, 96, 1916-1922.	3.8	4
147	A new, robust method for measuring average fibre wall pore sizes in cellulose I rich plant fibre walls. Cellulose, 2013, 20, 623-631.	4.9	30
148	Polyelectrolyte Adsorption on Solid Surfaces: Theoretical Predictions and Experimental Measurements. Langmuir, 2013, 29, 12421-12431.	3.5	41
149	Nanocellulose Aerogels Functionalized by Rapid Layerâ€byâ€Layer Assembly for High Charge Storage and Beyond. Angewandte Chemie, 2013, 125, 12260-12264.	2.0	26
150	Surface-initiated ring-opening polymerization from cellulose model surfaces monitored by a Quartz Crystal Microbalance. Soft Matter, 2012, 8, 512-517.	2.7	28
151	Biointeractive antibacterial fibres using polyelectrolyte multilayer modification. Cellulose, 2012, 19, 1731-1741.	4.9	30
152	Direct Adhesive Measurements between Wood Biopolymer Model Surfaces. Biomacromolecules, 2012, 13, 3046-3053.	5.4	23
153	Synthesis, adsorption and adhesive properties of a cationic amphiphilic block copolymer for use as compatibilizer in composites. European Polymer Journal, 2012, 48, 1195-1204.	5.4	20
154	Treatment of cellulose fibres with polyelectrolytes and wax colloids to create tailored highly hydrophobic fibrous networks. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 414, 415-421.	4.7	40
155	Physical Tuning of Cellulose-Polymer Interactions Utilizing Cationic Block Copolymers Based on PCL and Quaternized PDMAEMA. ACS Applied Materials & Interfaces, 2012, 4, 6796-6807.	8.0	29
156	Adhesive Layer-by-Layer Films of Carboxymethylated Cellulose Nanofibrilâ€"Dopamine Covalent Bioconjugates Inspired by Marine Mussel Threads. ACS Nano, 2012, 6, 4731-4739.	14.6	96
157	Dynamics of moisture interaction with polyelectrolyte multilayers containing nanofibrillated cellulose. Nordic Pulp and Paper Research Journal, 2012, 27, 496-499.	0.7	5
158	AFM adhesion imaging for the comparison of polyelectrolyte complexes and polyelectrolyte multilayers. Soft Matter, 2012, 8, 8298.	2.7	8
159	Mechanosorptive creep in nanocellulose materials. Cellulose, 2012, 19, 809-819.	4.9	16
160	The use of polymeric amines to enhance the mechanical properties of lignocellulosic fibrous networks. Cellulose, 2012, 19, 1437-1447.	4.9	29
161	Tailoring the mechanical properties of starch-containing layer-by-layer films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 394, 14-22.	4.7	15
162	Ultra porous nanocellulose aerogels as separation medium for mixtures of oil/water liquids. Cellulose, 2012, 19, 401-410.	4.9	330

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163	Investigation of the formation, structure and release characteristics of self-assembled composite films of cellulose nanofibrils and temperature responsive microgels. Soft Matter, 2011, 7, 1369-1377.	2.7	20
164	Design and characterization of cellulose nanofibril-based freestanding films prepared by layer-by-layer deposition technique. Soft Matter, 2011, 7, 3467.	2.7	44
165	Colloidal Stability of Aqueous Nanofibrillated Cellulose Dispersions. Langmuir, 2011, 27, 11332-11338.	3.5	265
166	Determination of Youngâ€™s Modulus for Nanofibrillated Cellulose Multilayer Thin Films Using Buckling Mechanics. Biomacromolecules, 2011, 12, 961-969.	5.4	74
167	Addition of silica nanoparticles to tailor the mechanical properties of nanofibrillated cellulose thin films. Journal of Colloid and Interface Science, 2011, 363, 566-572.	9.4	23
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