Monika Ã–sterberg

List of Publications by Year
in descending order

140 papers	10,352 citations	41323 49 h-index	34964 98 g-index
144 all docs	144 docs citations	144 times ranked	8782 citing authors

#	Article	IF	Citations
1	Enzymatic Hydrolysis Combined with Mechanical Shearing and High-Pressure Homogenization for Nanoscale Cellulose Fibrils and Strong Gels. Biomacromolecules, 2007, 8, 1934-1941.	2.6	1,684
2	A simple process for lignin nanoparticle preparation. Green Chemistry, 2016, 18, 1416-1422.	4.6	455
3	Modelling aerosol transport and virus exposure with numerical simulations in relation to SARS-CoV-2 transmission by inhalation indoors. Safety Science, 2020, 130, 104866.	2.6	349
4	Nanoscale Cellulose Films with Different Crystallinities and Mesostructuresâ€"Their Surface Properties and Interaction with Water. Langmuir, 2009, 25, 7675-7685.	1.6	321
5	Effect of microfibrillated cellulose and fines on the drainage of kraft pulp suspension and paper strength. Cellulose, 2010, 17, 1005-1020.	2.4	299
6	A Fast Method to Produce Strong NFC Films as a Platform for Barrier and Functional Materials. ACS Applied Materials & Interfaces, 2013, 5, 4640-4647.	4.0	270
7	Poly(<i>N</i>-isopropylacrylamide) Brushes Grafted from Cellulose Nanocrystals via Surface-Initiated Single-Electron Transfer Living Radical Polymerization. Biomacromolecules, 2010, 11, 2683-2691.	2.6	261
8	Spherical lignin particles: a review on their sustainability and applications. Green Chemistry, 2020, 22, 2712-2733.	4.6	228
9	Celluloseâ€"model films and the fundamental approach. Chemical Society Reviews, 2006, 35, 1287-1304.	18.7	213
10	Model Films from Native Cellulose Nanofibrils. Preparation, Swelling, and Surface Interactions. Biomacromolecules, 2008, 9, 1273-1282.	2.6	213
11	Cellulose nanofibrilsâ€"adsorption with poly(amideamine) epichlorohydrin studied by QCM-D and application as a paper strength additive. Cellulose, 2008, 15, 303-314.	2.4	205
12	Strong, Ductile, and Waterproof Cellulose Nanofibril Composite Films with Colloidal Lignin Particles. Biomacromolecules, 2019, 20, 693-704.	2.6	202
13	Lignin for Nanoâ€•and Microscaled Carrier Systems: Applications, Trends, and Challenges. ChemSusChem, 2019, 12, 2039-2054.	3.6	200
14	Hydrophobic, Superabsorbing Aerogels from Choline Chloride-Based Deep Eutectic Solvent Pretreated and Silylated Cellulose Nanofibrils for Selective Oil Removal. ACS Applied Materials & Interfaces, 2017, 9, 25029-25037.	4.0	194
15	Free radical graft copolymerization of nanofibrillated cellulose with acrylic monomers. Carbohydrate Polymers, 2011, 84, 1039-1047.	5.1	161
16	Surface Force Studies of Langmuirâ€"Blodgett Cellulose Films. Journal of Colloid and Interface Science, 1997, 186, 369-381.	5.0	158
17	Enzymatic Hydrolysis of Native Cellulose Nanofibrils and Other Cellulose Model Films: Effect of Surface Structure. Langmuir, 2008, 24, 11592-11599.	1.6	144
18	Surface Functionalized Nanofibrillar Cellulose (NFC) Film as a Platform for Immunoassays and Diagnostics. Biointerphases, 2012, 7, 61.	0.6	138

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19	The behaviour of cationic NanoFibrillar Cellulose in aqueous media. Cellulose, 2011, 18, 1213-1226.	2.4	123
20	All-lignin approach to prepare cationic colloidal lignin particles: stabilization of durable Pickering emulsions. Green Chemistry, 2017, 19, 5831-5840.	4.6	122
21	Functionalization of Nanofibrillated Cellulose with Silver Nanoclusters: Fluorescence and Antibacterial Activity. Macromolecular Bioscience, 2011, 11, 1185-1191.	2.1	121
22	Spatially confined lignin nanospheres for biocatalytic ester synthesis in aqueous media. Nature Communications, 2018, 9, 2300.	5.8	113
23	Experimental evidence on medium driven cellulose surface adaptation demonstrated using nanofibrillated cellulose. Soft Matter, 2011, 7, 10917.	1.2	111
24	Interactions of structurally different hemicelluloses with nanofibrillar cellulose. Carbohydrate Polymers, 2011, 86, 1281-1290.	5.1	107
25	Surfactant-free carnauba wax dispersion and its use for layer-by-layer assembled protective surface coatings on wood. Applied Surface Science, 2017, 396, 1273-1281.	3.1	100
26	Surface chemistry and morphology of different mechanical pulps determined by ESCA and AFM. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 228, 143-158.	2.3	93
27	Eco-friendly Flame-Retardant Cellulose Nanofibril Aerogels by Incorporating Sodium Bicarbonate. ACS Applied Materials & Interfaces, 2018, 10, 27407-27415.	4.0	91
28	Preparation of Langmuir/Blodgett-cellulose Surfaces by Using Horizontal Dipping Procedure. Application for Polyelectrolyte Adsorption Studies Performed with QCM-D. Cellulose, 2006, 13, 519-535.	2.4	81
29	Layer-by-layer assembled hydrophobic coatings for cellulose nanofibril films and textiles, made of polylysine and natural wax particles. Carbohydrate Polymers, 2017, 173, 392-402.	5.1	81
30	Colloidal Ionic Assembly between Anionic Native Cellulose Nanofibrils and Cationic Block Copolymer Micelles into Biomimetic Nanocomposites. Biomacromolecules, 2011, 12, 2074-2081.	2.6	78
31	Surface Interaction Forces of Cellulose Nanocrystals Grafted with Thermoresponsive Polymer Brushes. Biomacromolecules, 2011, 12, 2788-2796.	2.6	75
32	Three-Dimensional Printed Cell Culture Model Based on Spherical Colloidal Lignin Particles and Cellulose Nanofibril-Alginate Hydrogel. Biomacromolecules, 2020, 21, 1875-1885.	2.6	75
33	Effect of alkaline treatment on cellulose supramolecular structure studied with combined confocal Raman spectroscopy and atomic force microscopy. Cellulose, 2009, 16, 167-178.	2.4	74
34	Supracolloidal Multivalent Interactions and Wrapping of Dendronized Glycopolymers on Native Cellulose Nanocrystals. Journal of the American Chemical Society, 2014, 136, 866-869.	6.6	72
35	Closed cycle production of concentrated and dry redispersible colloidal lignin particles with a three solvent polarity exchange method. Green Chemistry, 2018, 20, 843-850.	4.6	72
36	Adsorption of Proteins on Colloidal Lignin Particles for Advanced Biomaterials. Biomacromolecules, 2017, 18, 2767-2776.	2.6	71

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37	Precipitation of lignin and extractives on kraft pulp: effect on surface chemistry, surface morphology and paper strength. Cellulose, 2004, 11, 209-224.	2.4	70
38	Title is missing!. Cellulose, 2001, 8, 113-125.	2.4	69
39	Solvent-Resistant Lignin-Epoxy Hybrid Nanoparticles for Covalent Surface Modification and High-Strength Particulate Adhesives. ACS Nano, 2021, 15, 4811-4823.	7.3	69
40	Surface Engineered Biomimetic Inks Based on UV Cross-Linkable Wood Biopolymers for 3D Printing. ACS Applied Materials & Interfaces, 2019, 11, 12389-12400.	4.0	65
41	Bicomponent Lignocellulose Thin Films to Study the Role of Surface Lignin in Cellulolytic Reactions. Biomacromolecules, 2012, 13, 3228-3240.	2.6	62
42	Scaling Up Production of Colloidal Lignin Particles. Nordic Pulp and Paper Research Journal, 2017, 32, 586-596.	0.3	61
43	Biomimetic collagen I and IV double layer Langmuirâ€"Schaefer films asÂmicroenvironment for human pluripotent stem cell derived retinal pigment epithelial cells. Biomaterials, 2015, 51, 257-269.	5.7	60
44	Calcium Chelation of Lignin from Pulping Spent Liquor for Water-Resistant Slow-Release Urea Fertilizer Systems. ACS Sustainable Chemistry and Engineering, 2017, 5, 1054-1061.	3.2	60
45	Enzymatically and chemically oxidized lignin nanoparticles for biomaterial applications. Enzyme and Microbial Technology, 2018, 111, 48-56.	1.6	57
46	Preparation and Characterization of Dentin Phosphophorynâ€Derived Peptideâ€Functionalized Lignin Nanoparticles for Enhanced Cellular Uptake. Small, 2019, 15, e1901427.	5.2	57
47	Lignin-Based Porous Supraparticles for Carbon Capture. ACS Nano, 2021, 15, 6774-6786.	7.3	56
48	Understanding the interactions of cellulose fibres and deep eutectic solvent of choline chloride and urea. Cellulose, 2018, 25, 137-150.	2.4	55
49	Natural Shape-Retaining Microcapsules With Shells Made of Chitosan-Coated Colloidal Lignin Particles. Frontiers in Chemistry, 2019, 7, 370.	1.8	53
50	Agglomeration of Viruses by Cationic Lignin Particles for Facilitated Water Purification. ACS Sustainable Chemistry and Engineering, 2020, 8, 4167-4177.	3.2	51
51	Towards sustainable production and utilization of plant-biomass-based nanomaterials: a review and analysis of recent developments. Biotechnology for Biofuels, 2021, 14, 114.	6.2	51
52	Functional and Anionic Cellulose-Interacting Polymers by Selective Chemo-Enzymatic Carboxylation of Galactose-Containing Polysaccharides. Biomacromolecules, 2012, 13, 2418-2428.	2.6	50
53	Effect of temperature, water content and free fatty acid on reverse micelle formation of phospholipids in vegetable oil. Colloids and Surfaces B: Biointerfaces, 2017, 160, 355-363.	2.5	50
54	Surface tailoring and design-driven prototyping of fabrics with 3D-printing: An all-cellulose approach. Materials and Design, 2018, 140, 409-419.	3.3	50

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55	Interactions between cellulose and colloidal silica in the presence of polyelectrolytes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1997, 129-130, 175-183.	2.3	49
56	The wetting properties and morphology of lignin adsorbed on cellulose fibres and mica. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 239, 65-75.	2.3	49
57	Techno-economic assessment for the large-scale production of colloidal lignin particles. Green Chemistry, 2018, 20, 4911-4919.	4.6	49
58	Comparison of Multilayer Formation Between Different Cellulose Nanofibrils and Cationic Polymers. Journal of Colloid and Interface Science, 2012, 373, 84-93.	5.0	47
59	Lignin-fatty acid hybrid nanocapsules for scalable thermal energy storage in phase-change materials. Chemical Engineering Journal, 2020, 393, 124711.	6.6	47
60	The Effect of a Cationic Polyelectrolyte on the Forces between Two Cellulose Surfaces and between One Cellulose and One Mineral Surface. Journal of Colloid and Interface Science, 2000, 229, 620-627.	5.0	44
61	Properties of Cationic Polyelectrolyte Layers Adsorbed on Silica and Cellulose Surfaces Studied by QCM-Dâ€"Effect of Polyelectrolyte Charge Density and Molecular Weight. Journal of Dispersion Science and Technology, 2009, 30, 969-979.	1.3	44
62	Correlation between cellulose thin film supramolecular structures and interactions with water. Soft Matter, 2015, 11, 4273-4282.	1.2	43
63	A fast method to prepare mechanically strong and water resistant lignocellulosic nanopapers. Carbohydrate Polymers, 2019, 203, 148-156.	5.1	40
64	Structural diversity in metalâ€"organic nanoparticles based on iron isopropoxide treated lignin. RSC Advances, 2016, 6, 31790-31796.	1.7	39
65	Understanding the mechanisms of oxygen diffusion through surface functionalized nanocellulose films. Carbohydrate Polymers, 2017, 174, 309-317.	5.1	38
66	Understanding hemicellulose-cellulose interactions in cellulose nanofibril-based composites. Journal of Colloid and Interface Science, 2019, 555, 104-114.	5.0	38
67	Structural changes of lignin in biorefinery pretreatments and consequences to enzyme-lignin interactions - OPEN ACCESS. Nordic Pulp and Paper Research Journal, 2017, 32, 550-571.	0.3	38
68	Nanocomposite films based on cellulose nanofibrils and water-soluble polysaccharides. Reactive and Functional Polymers, 2014, 85, 167-174.	2.0	37
69	Moisture-related changes in the nanostructure of woods studied with X-ray and neutron scattering. Cellulose, 2020, 27, 71-87.	2.4	37
70	Interactions between cellulose surfaces: effect of solution pH. Journal of Adhesion Science and Technology, 2000, 14, 603-618.	1.4	36
71	Adsorption of polyelectrolyte multilayers and complexes on silica and cellulose surfaces studied by QCM-D. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 330, 134-142.	2.3	35
72	Interactions between inorganic nanoparticles and cellulose nanofibrils. Cellulose, 2012, 19, 779-792.	2.4	34

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73	Non-ionic assembly of nanofibrillated cellulose and polyethylene glycol grafted carboxymethyl cellulose and the effect of aqueous lubrication in nanocomposite formation. Soft Matter, 2013, 9, 7448.	1.2	34
74	Modification of nanofibrillated cellulose using amphiphilic block-structured galactoglucomannans. Carbohydrate Polymers, 2014, 110, 163-172.	5.1	34
75	Toward energy efficiency through an optimized use of wood: The development of natural hydrophobic coatings that retain moisture-buffering ability. Energy and Buildings, 2015, 105, 37-42.	3.1	34
76	Small-angle scattering model for efficient characterization of wood nanostructure and moisture behaviour. Journal of Applied Crystallography, 2019, 52, 369-377.	1.9	34
77	A cartilage-inspired lubrication system. Soft Matter, 2014, 10, 374-382.	1.2	33
78	Colloidal Lignin Particles as Adhesives for Soft Materials. Nanomaterials, 2018, 8, 1001.	1.9	33
79	Interaction between Cellulose and Xylan: An Atomic Force Microscope and Quartz Crystal Microbalance Study. ACS Symposium Series, 2003, , 269-290.	0.5	32
80	Preparation of lignin and extractive model surfaces by using spincoating technique â€" Application for QCM-D studies. Nordic Pulp and Paper Research Journal, 2006, 21, 444-450.	0.3	32
81	Surface forces between cellulose surfaces in cationic polyelectrolyte solutions: The effect of polymer molecular weight and charge density. Nordic Pulp and Paper Research Journal, 2007, 22, 249-257.	0.3	31
82	Mediation of the Nanotribological Properties of Cellulose by Chitosan Adsorption. Biomacromolecules, 2009, 10, 645-650.	2.6	31
83	Combining confocal Raman spectroscopy and atomic force microscopy to study wood extractives on cellulose surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 291, 197-201.	2.3	30
84	Forces between Xylan-Coated Surfaces: Effect of Polymer Charge Density and Background Electrolyte. Journal of Colloid and Interface Science, 2001, 242, 59-66.	5.0	28
85	Emulsion Stabilization with Functionalized Cellulose Nanoparticles Fabricated Using Deep Eutectic Solvents. Molecules, 2018, 23, 2765.	1.7	28
86	Direct measurements of non-ionic attraction and nanoscaled lubrication in biomimetic composites from nanofibrillated cellulose and modified carboxymethylated cellulose. Nanoscale, 2013, 5, 11837.	2.8	27
87	All-cellulose multilayers: long nanofibrils assembled with short nanocrystals. Cellulose, 2013, 20, 1777-1789.	2.4	27
88	3D printing and properties of cellulose nanofibrils-reinforced quince seed mucilage bio-inks. International Journal of Biological Macromolecules, 2021, 192, 1098-1107.	3.6	27
89	Bioinspired lubricating films of cellulose nanofibrils and hyaluronic acid. Colloids and Surfaces B: Biointerfaces, 2016, 138, 86-93.	2.5	26
90	Colloidal Lignin Particles and Epoxies for Bio-Based, Durable, and Multiresistant Nanostructured Coatings. ACS Applied Materials & Interfaces, 2021, 13, 34793-34806.	4.0	26

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91	High-resolution 3D printing of xanthan gum/nanocellulose bio-inks. International Journal of Biological Macromolecules, 2022, 209, 2020-2031.	3.6	26
92	Clean and reactive nanostructured cellulose surface. Cellulose, 2013, 20, 983-990.	2.4	24
93	Antimicrobial Colloidal Silverâ€"Lignin Particles via Ion and Solvent Exchange. ACS Sustainable Chemistry and Engineering, 2019, 7, 15297-15303.	3.2	24
94	Lignin nanoparticles modified with tall oil fatty acid for cellulose functionalization. Cellulose, 2020, 27, 273-284.	2.4	24
95	Well-Defined Lignin Model Films from Colloidal Lignin Particles. Langmuir, 2020, 36, 15592-15602.	1.6	24
96	Open coating with natural wax particles enables scalable, non-toxic hydrophobation of cellulose-based textiles. Carbohydrate Polymers, 2020, 227, 115363.	5.1	22
97	Adsorption of colloidal extractives and dissolved hemicelluloses on thermomechanical pulp fiber components studied by QCM-D. Nordic Pulp and Paper Research Journal, 2007, 22, 93-101.	0.3	21
98	Experimental and Simulation Study of the Solvent Effects on the Intrinsic Properties of Spherical Lignin Nanoparticles. Journal of Physical Chemistry B, 2021, 125, 12315-12328.	1.2	21
99	Tailoring Surface Properties of Paper Using Nanosized Precipitated Calcium Carbonate Particles. ACS Applied Materials & Interfaces, 2011, 3, 3725-3731.	4.0	20
100	Quantifying the interactions between biomimetic biomaterials â€" collagen I, collagen IV, laminin 521 and cellulose nanofibrils â€" by colloidal probe microscopy. Colloids and Surfaces B: Biointerfaces, 2019, 173, 571-580.	2.5	20
101	Antibacterial effects of wood structural components and extractives from Pinus sylvestris and Picea abies on methicillin-resistant Staphylococcus aureus and Escherichia coli O157:H7. BioResources, 2017, 12, 7601-7614.	0.5	20
102	The effect of cationic polyelectrolyte complexes on interactions between cellulose surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 297, 122-130.	2.3	18
103	Strengthening effect of nanofibrillated cellulose is dependent on enzymatically oxidized polysaccharide gel matrices. European Polymer Journal, 2015, 71, 171-184.	2.6	18
104	Multi-layer nanopaper based composites. Cellulose, 2017, 24, 1759-1773.	2.4	18
105	Electrochemical detection of hydrogen peroxide on platinum-containing tetrahedral amorphous carbon sensors and evaluation of their biofouling properties. Materials Science and Engineering C, 2015, 55, 70-78.	3.8	17
106	Bundling of cellulose microfibrils in native and polyethylene glycol-containing wood cell walls revealed by small-angle neutron scattering. Scientific Reports, 2020, 10, 20844.	1.6	17
107	Aqueous Ammonia Pre-treatment of Wheat Straw: Process Optimization and Broad Spectrum Dye Adsorption on Nitrogen-Containing Lignin. Frontiers in Chemistry, 2019, 7, 545.	1.8	16
108	AFM Force Spectroscopy Reveals the Role of Integrins and Their Activation in Cellâ€"Biomaterial Interactions. ACS Applied Bio Materials, 2020, 3, 1406-1417.	2.3	16

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109	Lightweight lignocellulosic foams for thermal insulation. Cellulose, 2022, 29, 1855-1871.	2.4	16
110	Multilayers of cellulose derivatives and chitosan on nanofibrillated cellulose. Carbohydrate Polymers, 2014, 108, 34-40.	5.1	15
111	Quantified forces between HepG2 hepatocarcinoma and WA07 pluripotent stem cells with natural biomaterials correlate with in vitro cell behavior. Scientific Reports, 2019, 9, 7354.	1.6	15
112	Toward waste valorization by converting bioethanol production residues into nanoparticles and nanocomposite films. Sustainable Materials and Technologies, 2021, 28, e00269.	1.7	15
113	Self-assembly of colloidal lignin particles in a continuous flow tubular reactor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 587, 124228.	2.3	14
114	Preparation of ultrathin coating layers using surface modified silica nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 392, 313-321.	2.3	13
115	Targeted functionalization of spruce <i>O</i>â€acetyl galactoglucomannansâ€"2,2,6,6â€tetramethylpiperidinâ€1â€oxylâ€oxidation and carbodiimideâ€mediated amidation. Journal of Applied Polymer Science, 2013, 130, 3122-3129.	1.3	13
116	Effect of laminin, polylysine and cell medium components on the attachment of human hepatocellular carcinoma cells to cellulose nanofibrils analyzed by surface plasmon resonance. Journal of Colloid and Interface Science, 2021, 584, 310-319.	5.0	13
117	Biological activity of multicomponent bio-hydrogels loaded with tragacanth gum. International Journal of Biological Macromolecules, 2022, 215, 691-704.	3.6	13
118	Non-leaching, Highly Biocompatible Nanocellulose Surfaces That Efficiently Resist Fouling by Bacteria in an Artificial Dermis Model. ACS Applied Bio Materials, 2020, 3, 4095-4108.	2.3	12
119	Scaling Up Production of Colloidal Lignin Particles - OPEN ACCESS. Nordic Pulp and Paper Research Journal, 2017, 32, 586-596.	0.3	12
120	Stereoselectively water resistant hybrid nanopapers prepared by cellulose nanofibers and water-based polyurethane. Carbohydrate Polymers, 2018, 199, 286-293.	5.1	11
121	Surface forces in lignocellulosic systems. Current Opinion in Colloid and Interface Science, 2017, 27, 33-42.	3.4	10
122	Phospholipid-Based Reverse Micelle Structures in Vegetable Oil Modified by Water Content, Free Fatty Acid, and Temperature. Langmuir, 2019, 35, 8373-8382.	1.6	10
123	Modifying the Wettability of Surfaces by Nanoparticles: Experiments and Modeling Using the Wenzel Law. Langmuir, 2010, 26, 14563-14566.	1.6	9
124	Heat-Induced changes in oil and grease resistant hydroxypropylated-starch-based barrier coatings Sami-Seppo. Nordic Pulp and Paper Research Journal, 2015, 30, 488-496.	0.3	9
125	Corona Treatment of Filled Dual-polymer Dispersion Coatings: Surface Properties and Grease Resistance. Polymers and Polymer Composites, 2017, 25, 257-266.	1.0	9
126	Lignin for Nanoâ€and Microscaled Carrier Systems: Applications, Trends, and Challenges. ChemSusChem, 2019, 12, 2038-2038.	3.6	9

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127	Effects on Pulp Properties of Magnesium Hydroxide in Peroxide Bleaching. BioResources, 2013, 8, .	0.5	9
128	Inkjet ink spreading on polyelectrolyte multilayers deposited on pigment coated paper. Journal of Colloid and Interface Science, 2015, 438, 179-190.	5.0	8
129	Aggregation response of triglyceride hydrolysis products in cyclohexane and triolein. Physical Chemistry Chemical Physics, 2018, 20, 27192-27204.	1.3	8
130	Dehydroabietylamine-Based Cellulose Nanofibril Films: A New Class of Sustainable Biomaterials for Highly Efficient, Broad-Spectrum Antimicrobial Effects. ACS Sustainable Chemistry and Engineering, 2019, 7, 5002-5009.	3.2	8
131	Skin and bubble formation in films made of methyl nanocellulose, hydrophobically modified ethyl(hydroxyethyl)cellulose and microfibrillated cellulose. Cellulose, 2021, 28, 787-797.	2.4	8
132	Cytokeratin 5 determines maturation of the mammary myoepithelium. IScience, 2021, 24, 102413.	1.9	8
133	Microalgae <i>Chlorella vulgaris</i> and kraft lignin stabilized cellulosic wet foams for camouflage. Soft Matter, 2022, 18, 2060-2071.	1.2	5
134	Synthesis of an Azide- and Tetrazine-Functionalized [60]Fullerene and Its Controlled Decoration with Biomolecules. ACS Omega, 2022, 7, 1329-1336.	1.6	4
135	Editorial: From understanding the biological function of lignin in plants to production of colloidal lignin particles. Nordic Pulp and Paper Research Journal, 2017, 32, 483-484.	0.3	3
136	Cellulose Model Films: Challenges in Preparation. ACS Symposium Series, 2010, , 57-74.	0.5	2
137	Modification of lignin with laccases for the adsorption of anionic ferulic acid studied by quartz cristall microbalance with dissipation and AFM. Holzforschung, 2009, 63, .	0.9	1
138	Durable Biopolymer Films From Lignin-Carbohydrate Complex Derived From a Pulp Mill Side Stream. Frontiers in Energy Research, 2021, 9, .	1.2	1
139	Three-Layered Polyelectrolyte Structures as Inkjet Receptive Coatings: Part 1. Interaction with Dye-based Ink. Journal of Imaging Science and Technology, 2016, 60, 305011-305019.	0.3	0
140	Editorial: From understanding the biological function of lignin in plants to production of colloidal lignin particles - OPEN ACCESS. Nordic Pulp and Paper Research Journal, 2017, 32, 483-484.	0.3	0