

Wim Thielemans

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143
papers

9,537
citations

45
h-index

96
g-index

154
ext. papers

10,754
ext. citations

7.1
avg. IF

6.64
L-index

#	Paper	IF	Citations
143	Review: current international research into cellulose nanofibres and nanocomposites. <i>Journal of Materials Science</i> , 2010 , 45, 1-33	4.3	1760
142	Synthesis of polycaprolactone: a review. <i>Chemical Society Reviews</i> , 2009 , 38, 3484-504	58.5	1000
141	Surface modification of cellulose nanocrystals. <i>Nanoscale</i> , 2014 , 6, 7764-79	7.7	500
140	Sisal cellulose whiskers reinforced polyvinyl acetate nanocomposites. <i>Cellulose</i> , 2006 , 13, 261-270	5.5	426
139	Cellulose nanocrystals grafted with polystyrene chains through surface-initiated atom transfer radical polymerization (SI-ATRP). <i>Langmuir</i> , 2009 , 25, 8280-6	4	320
138	Cellulose nanowhisiker aerogels. <i>Green Chemistry</i> , 2010 , 12, 1448	10	290
137	Recycling of polymers: a review. <i>ChemSusChem</i> , 2014 , 7, 1579-93	8.3	264
136	Lignin esters for use in unsaturated thermosets: lignin modification and solubility modeling. <i>Biomacromolecules</i> , 2005 , 6, 1895-905	6.9	224
135	Novel applications of lignin in composite materials. <i>Journal of Applied Polymer Science</i> , 2002 , 83, 323-332	6.9	192
134	Dual fluorescent labelling of cellulose nanocrystals for pH sensing. <i>Chemical Communications</i> , 2010 , 46, 8929-31	5.8	185
133	Starch nanocrystals with large chain surface modifications. <i>Langmuir</i> , 2006 , 22, 4804-10	4	185
132	The catalytic oxidation of biomass to new materials focusing on starch, cellulose and lignin. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 1854-1870	23.2	163
131	Polymer grafting onto starch nanocrystals. <i>Biomacromolecules</i> , 2007 , 8, 2916-27	6.9	144
130	Grafting Polymers from Cellulose Nanocrystals: Synthesis, Properties, and Applications. <i>Macromolecules</i> , 2018 , 51, 6157-6189	5.5	130
129	Biodegradability of organic nanoparticles in the aqueous environment. <i>Chemosphere</i> , 2011 , 82, 1387-92	8.4	121
128	Imidazolium grafted cellulose nanocrystals for ion exchange applications. <i>Chemical Communications</i> , 2011 , 47, 4177-9	5.8	116
127	Lignins as macromonomers for polyurethane synthesis: A comparative study on hydroxyl group determination. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 3008-3017	2.9	108

126	Green One-Step Synthesis of Catalytically Active Palladium Nanoparticles Supported on Cellulose Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 1241-1250	8.3	105
125	Starch nanocrystal stabilized Pickering emulsion polymerization for nanocomposites with improved performance. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8263-73	9.5	102
124	Physico-chemical and mechanical properties of nanocomposites prepared using cellulose nanowhiskers and poly(lactic acid). <i>Journal of Materials Science</i> , 2012 , 47, 2675-2686	4.3	101
123	Electrochemical Capacitance of Nanocomposite Polypyrrole/Cellulose Films. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 17926-17933	3.8	101
122	Mechanical properties of nanocomposites from sorbitol plasticized starch and tunicin whiskers. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 4065-4074	2.9	101
121	Cellulose-gold nanoparticle hybrid materials. <i>Nanoscale</i> , 2017 , 9, 8525-8554	7.7	100
120	Improving the reproducibility of chemical reactions on the surface of cellulose nanocrystals: ROP of ϵ -caprolactone as a case study. <i>Cellulose</i> , 2011 , 18, 607-617	5.5	98
119	Permselective nanostructured membranes based on cellulose nanowhiskers. <i>Green Chemistry</i> , 2009 , 11, 531	10	93
118	Synthesis of platinum nanoparticles using cellulosic reducing agents. <i>Green Chemistry</i> , 2010 , 12, 220-222	10	85
117	Preparation of poly(styrene-co-hexylacrylate)/cellulose whiskers nanocomposites via miniemulsion polymerization. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 2946-2955	2.9	83
116	Starch nanocrystals and starch nanoparticles from waxy maize as nanoreinforcement: A comparative study. <i>Carbohydrate Polymers</i> , 2016 , 143, 310-7	10.3	79
115	Synthesis of carbon-supported Pt nanoparticle electrocatalysts using nanocrystalline cellulose as reducing agent. <i>Green Chemistry</i> , 2011 , 13, 1686	10	79
114	Butyrate kraft lignin as compatibilizing agent for natural fiber reinforced thermoset composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2004 , 35, 327-338	8.4	77
113	Surface functionalization of cellulose fibres and their incorporation in renewable polymeric matrices. <i>Composites Science and Technology</i> , 2008 , 68, 3193-3201	8.6	74
112	Synthesis of cellulose nanocrystals bearing photocleavable grafts by ATRP. <i>Polymer Chemistry</i> , 2012 , 3, 1402	4.9	70
111	Influence of the Particle Concentration and Marangoni Flow on the Formation of Cellulose Nanocrystal Films. <i>Langmuir</i> , 2017 , 33, 228-234	4	66
110	Chitin nanowhisiker aerogels. <i>ChemSusChem</i> , 2013 , 6, 537-44	8.3	66
109	Highly charged cellulose-based nanocrystals as flocculants for harvesting <i>Chlorella vulgaris</i> . <i>Bioresource Technology</i> , 2015 , 194, 270-5	11	63

108	Surface modification of cellulose by PCL grafts. <i>Acta Materialia</i> , 2010 , 58, 792-801	8.4	60
107	Citric acid as a benign alternative to metal catalysts for the production of cellulose-grafted-polycaprolactone copolymers. <i>Polymer Chemistry</i> , 2012 , 3, 679	4.9	57
106	Ferrocene-decorated nanocrystalline cellulose with charge carrier mobility. <i>Langmuir</i> , 2012 , 28, 6514-9	4	55
105	Controlled flocculation of microalgae using pH responsive cellulose nanocrystals. <i>Nanoscale</i> , 2015 , 7, 14413-21	7.7	54
104	A facile one-pot route to cationic cellulose nanocrystals. <i>Nanoscale</i> , 2013 , 5, 10207-11	7.7	53
103	Surface functionalization of cellulose by grafting oligoether chains. <i>Materials Chemistry and Physics</i> , 2010 , 120, 438-445	4.4	53
102	Thin-Film Modified Electrodes with Reconstituted Cellulose/PDDAC Films for the Accumulation and Detection of Triclosan. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 2660-2666	3.8	51
101	Thermodynamics of adsorption on nanocellulose surfaces. <i>Cellulose</i> , 2019 , 26, 249-279	5.5	47
100	Mechanical, crystallisation and moisture absorption properties of melt drawn polylactic acid fibres. <i>European Polymer Journal</i> , 2014 , 53, 270-281	5.2	47
99	Effect of cellulose nanowhiskers on surface morphology, mechanical properties, and cell adhesion of melt-drawn polylactic Acid fibers. <i>Biomacromolecules</i> , 2014 , 15, 1498-506	6.9	46
98	Unravelling the Mechanism of Chitosan-Driven Flocculation of Microalgae in Seawater as a Function of pH. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 11273-11279	8.3	45
97	High total-electrode and mass-specific capacitance cellulose nanocrystal-polypyrrole nanocomposites for supercapacitors. <i>RSC Advances</i> , 2013 , 3, 9158	3.7	44
96	Sorption potential of modified nanocrystals for the removal of aromatic organic pollutant from aqueous solution. <i>Industrial Crops and Products</i> , 2011 , 33, 350-357	5.9	44
95	Cellulose Nanowhiskers Templating in Conductive Polymer Nanocomposites Reduces Electrical Percolation Threshold 5-Fold.. <i>ACS Macro Letters</i> , 2013 , 2, 157-163	6.6	42
94	Impure carbon nanotubes as reinforcements for acrylated epoxidized soy oil composites. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 1325-1338	2.9	42
93	Chemolytic depolymerisation of PET: a review. <i>Green Chemistry</i> , 2021 , 23, 3765-3789	10	41
92	Predicting the capability of carboxylated cellulose nanowhiskers for the remediation of copper from water using response surface methodology (RSM) and artificial neural network (ANN) models. <i>Industrial Crops and Products</i> , 2016 , 93, 108-120	5.9	38
91	Boronic acid dendrimer receptor modified nanofibrillar cellulose membranes. <i>Journal of Materials Chemistry</i> , 2010 , 20, 588-594		36

90	Electric-Field-Mediated Reversible Transformation between Supramolecular Networks and Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11404-11408	16.4	35
89	Kraft lignin as fiber treatment for natural fiber-reinforced composites. <i>Polymer Composites</i> , 2005 , 26, 695-705	3	33
88	Self-Assembled Monolayers as Templates for Linearly Nanopatterned Covalent Chemical Functionalization of Graphite and Graphene Surfaces. <i>ACS Nano</i> , 2018 , 12, 11520-11528	16.7	32
87	Thermodynamic Study of the Interaction of Bovine Serum Albumin and Amino Acids with Cellulose Nanocrystals. <i>Langmuir</i> , 2017 , 33, 5473-5481	4	31
86	A one-step miniemulsion polymerization route towards the synthesis of nanocrystal reinforced acrylic nanocomposites. <i>Soft Matter</i> , 2013 , 9, 1975-1984	3.6	31
85	Nanocomposite oxygen reduction electrocatalysts formed using bioderived reducing agents. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1737		31
84	Polyethylene glycol-drug ester conjugates for prolonged retention of small inhaled drugs in the lung. <i>Journal of Controlled Release</i> , 2013 , 171, 234-40	11.7	29
83	Green chemicals and process to graft cellulose fibers. <i>Journal of Colloid and Interface Science</i> , 2009 , 330, 298-302	9.3	29
82	Demetallation of methemoglobin in cellulose nanofibril/TiO ₂ nanoparticle composite membrane electrodes. <i>Electrochemistry Communications</i> , 2007 , 9, 1985-1990	5.1	29
81	Effect of Source on the Properties and Behavior of Cellulose Nanocrystal Suspensions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8317-8324	8.3	27
80	High cellulose nanowhisker content composites through cellosize bonding. <i>Soft Matter</i> , 2012 , 8, 12099	3.6	26
79	Cationic Cellulose Nanocrystals for Flocculation of Microalgae: Effect of Degree of Substitution and Crystallinity. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3394-3403	5.6	24
78	Toward Improved Understanding of the Interactions between Poorly Soluble Drugs and Cellulose Nanofibers. <i>Langmuir</i> , 2018 , 34, 5464-5473	4	22
77	Polyaniline- and poly(ethylenedioxythiophene)-cellulose nanocomposite electrodes for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 3307-3315	2.6	22
76	The effect of cellulose nanowhiskers on the flexural properties of self-reinforced polylactic acid composites. <i>Reactive and Functional Polymers</i> , 2014 , 85, 193-200	4.6	20
75	Tuning percolation speed in layer-by-layer assembled polyaniline/nanocellulose composite films. <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 2675-2681	2.6	20
74	Graphite and Graphene Fairy Circles: A Bottom-Up Approach for the Formation of Nanocorrals. <i>ACS Nano</i> , 2019 , 13, 5559-5571	16.7	17
73	One-pot functionalization of cellulose nanocrystals with various cationic groups. <i>Cellulose</i> , 2016 , 23, 3569-3576	5.5	17

72	Synthesis of Novel Renewable Polyesters and Polyamides with Olefin Metathesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 5943-5952	8.3	17
71	Thermodynamic Study of Ion-Driven Aggregation of Cellulose Nanocrystals. <i>Biomacromolecules</i> , 2019 , 20, 3181-3190	6.9	17
70	One step room temperature synthesis of ordered mesoporous silica SBA-15 mediated by cellulose nanoparticles. <i>Journal of Materials Chemistry</i> , 2010 , 20, 320-325		17
69	Ultrathin Carbon Film Electrodes from Vacuum-Carbonised Cellulose Nanofibril Composite. <i>Electroanalysis</i> , 2010 , 22, 619-624	3	17
68	Patience is a virtue: self-assembly and physico-chemical properties of cellulose nanocrystal allomorphs. <i>Nanoscale</i> , 2020 , 12, 17480-17493	7.7	17
67	Nanofibrillar Cellulose-Chitosan Composite Film Electrodes: Competitive Binding of Triclosan, Fe(CN) ₆ ^{3-/4-} and SDS Surfactant. <i>Electroanalysis</i> , 2008 , 20, 2395-2402	3	16
66	Binary Mixed Homopolymer Brushes Tethered to Cellulose Nanocrystals: A Step Towards Compatibilized Polyester Blends. <i>Biomacromolecules</i> , 2016 , 17, 3048-59	6.9	15
65	Isothermal titration calorimetry to study the influence of citrus pectin degree and pattern of methylesterification on Zn interaction. <i>Carbohydrate Polymers</i> , 2018 , 197, 460-468	10.3	15
64	Anisotropic Diffusion and Phase Behavior of Cellulose Nanocrystal Suspensions. <i>Langmuir</i> , 2019 , 35, 2289-2302	4	14
63	Real-scale chlorination at pH4 of BW30 TFC membranes and their physicochemical characterization. <i>Journal of Membrane Science</i> , 2018 , 551, 123-135	9.6	14
62	Affordable Composites and Plastics from Renewable Resources: Part I: Synthesis of Monomers and Polymers. <i>ACS Symposium Series</i> , 2002 , 177-204	0.4	14
61	Coumarin and carbazole fluorescently modified cellulose nanocrystals using a one-step esterification procedure. <i>Canadian Journal of Chemical Engineering</i> , 2016 , 94, 2186-2194	2.3	14
60	Covalent Functionalization of Carbon Surfaces: Diaryliodonium versus Aryldiazonium Chemistry. <i>Chemistry of Materials</i> , 2020 , 32, 5246-5255	9.6	13
59	Affordable Composites and Plastics from Renewable Resources: Part II: Manufacture of Composites. <i>ACS Symposium Series</i> , 2002 , 205-224	0.4	13
58	Self-limiting covalent modification of carbon surfaces: diazonium chemistry with a twist. <i>Nanoscale</i> , 2020 , 12, 18782-18789	7.7	13
57	Harvesting of marine microalgae using cationic cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2020 , 240, 116165	10.3	13
56	Effect of Gelation on the Colloidal Deposition of Cellulose Nanocrystal Films. <i>Biomacromolecules</i> , 2018 , 19, 3233-3243	6.9	13
55	Iodide mediated reductive decomposition of diazonium salts: towards mild and efficient covalent functionalization of surface-supported graphene. <i>Nanoscale</i> , 2020 , 12, 11916-11926	7.7	11

54	Thermodynamics of the interactions of positively charged cellulose nanocrystals with molecules bearing different amounts of carboxylate anions. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 17637-17647	3.6	11
53	Cellulosic-crystals as a fumed-silica substitute in vacuum insulated panel technology used in building construction and retrofit applications. <i>Energy and Buildings</i> , 2017 , 156, 187-196	7	11
52	Engineered Three-Dimensional Microenvironments with Starch Nanocrystals as Cell-Instructive Materials. <i>Biomacromolecules</i> , 2019 , 20, 3819-3830	6.9	10
51	Controlled chlorination of polyamide reverse osmosis membranes at real scale for enhanced desalination performance. <i>Journal of Membrane Science</i> , 2020 , 611, 118400	9.6	10
50	A COMPOSITE FROM SOY OIL AND CARBON NANOTUBES. <i>International Journal of Nanoscience</i> , 2003 , 02, 185-194	0.6	10
49	Instantaneous hydrolysis of PET bottles: an efficient pathway for the chemical recycling of condensation polymers. <i>Green Chemistry</i> , 2021 , 23, 9945-9956	10	10
48	Nanoscale Evidence Unravels Microalgae Flocculation Mechanism Induced by Chitosan.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 8446-8459	4.1	10
47	Cellulose Nanowhiskers in Electrochemical Applications. <i>ACS Symposium Series</i> , 2012 , 75-106	0.4	9
46	Multicomponent Covalent Chemical Patterning of Graphene. <i>ACS Nano</i> , 2021 , 15, 10618-10627	16.7	9
45	Synergy between endo/exo-glucanases and expansin enhances enzyme adsorption and cellulose conversion. <i>Carbohydrate Polymers</i> , 2021 , 253, 117287	10.3	9
44	Real-Time Adsorption of Exo- and Endoglucanases on Cellulose: Effect of pH, Temperature, and Inhibitors. <i>Langmuir</i> , 2018 , 34, 13514-13522	4	9
43	Facile cation electro-insertion into layer-by-layer assembled iron phytate films. <i>Electrochemistry Communications</i> , 2010 , 12, 1722-1726	5.1	8
42	Stimuli-Induced Nonequilibrium Phase Transitions in Polyelectrolyte-Surfactant Complex Coacervates. <i>Langmuir</i> , 2020 , 36, 8839-8857	4	8
41	Covalent functionalization of molybdenum disulfide by chemically activated diazonium salts. <i>Nanoscale</i> , 2021 , 13, 2972-2981	7.7	8
40	Cellulose-hemicellulose interactions - A nanoscale view. <i>Carbohydrate Polymers</i> , 2021 , 270, 118364	10.3	8
39	Separation of Sulphuric Acid from an Acid Suspension of Cellulose Nanocrystals by Manual Shaking. <i>Journal of Nano Research</i> , 2016 , 38, 58-72	1	7
38	Suppressed photoelectrochemistry at carbon-surface-modified mesoporous TiO ₂ films. <i>Electrochimica Acta</i> , 2012 , 73, 31-35	6.7	7
37	Cold plasma-assisted paper recycling. <i>Industrial Crops and Products</i> , 2013 , 43, 114-118	5.9	7

36	Characterization of oil-proof papers containing new-type of fluorochemicals Part 1: Surface properties and printability. <i>Applied Surface Science</i> , 2013 , 277, 57-66	6.7	7
35	Organocatalyzed ring opening polymerization of lactide from the surface of cellulose nanofibrils. <i>Carbohydrate Polymers</i> , 2020 , 250, 116974	10.3	7
34	Multi-layered nanoscale cellulose/CuInS sandwich type thin films. <i>Carbohydrate Polymers</i> , 2019 , 203, 219-227	10.3	7
33	Intrinsic five-photon non-linear absorption of two-dimensional BN and its conversion to two-photon absorption in the presence of photo-induced defects. <i>Optical Materials</i> , 2018 , 86, 414-420	3.3	7
32	Enhanced TiO ₂ surface electrochemistry with carbonised layer-by-layer cellulose-PDDA composite films. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 9857-62	3.6	6
31	Light-Addressable Nanocomposite Hydrogels Allow Plasmonic Actuation and In Situ Temperature Monitoring in 3D Cell Matrices. <i>Advanced Functional Materials</i> , 2108234	15.6	6
30	SANS study of mixed cholesteric cellulose nanocrystal - gold nanorod suspensions. <i>Chemical Communications</i> , 2020 , 56, 13001-13004	5.8	6
29	Generality and specificity of the binding behaviour of lysozyme with pectin varying in local charge density and overall charge. <i>Food Hydrocolloids</i> , 2020 , 99, 105345	10.6	6
28	The significant role of support layer solvent annealing in interfacial polymerization: The case of epoxide-based membranes. <i>Journal of Membrane Science</i> , 2020 , 612, 118438	9.6	5
27	Stabilising Ni catalysts for the dehydration-decarboxylation-hydrogenation of citric acid to methylsuccinic acid. <i>Green Chemistry</i> , 2017 , 19, 4642-4650	10	5
26	Cellulose-Cyclodextrin Co-Polymer for the Removal of Cyanotoxins on Water Sources. <i>Polymers</i> , 2019 , 11,	4.5	5
25	Harvesting microalgal-bacterial biomass from biogas upgrading process and evaluating the impact of flocculants on their growth during repeated recycling of the spent medium. <i>Algal Research</i> , 2020 , 48, 101915	5	4
24	Effect of Geometry on Droplet Generation in a Microfluidic T-Junction 2013 ,		4
23	Glycine betaine grafted nanocellulose as an effective and bio-based cationic nanocellulose flocculant for wastewater treatment and microalgal harvesting. <i>Nanoscale Advances</i> , 2021 , 3, 4133-4144 ^{5.1}		4
22	Polysaccharide Based Supercapacitors. <i>Springer Briefs in Molecular Science</i> , 2017 ,	0.6	3
21	Effect of Sugars on the Real-Time Adsorption of Expansin on Cellulose. <i>Biomacromolecules</i> , 2020 , 21, 1776-1784	6.9	3
20	Cold-plasma Assisted Hydrophobisation of Lignocellulosic Fibres. <i>Current Organic Chemistry</i> , 2013 , 17, 892-899	1.7	3
19	Novel heterogeneous ruthenium racemization catalyst for dynamic kinetic resolution of chiral aliphatic amines. <i>Green Chemistry</i> , 2020 , 22, 85-93	10	3

18	Meta-analysis of TiO ₂ nanoparticle synthesis strategies to assess the impact of key reaction parameters on their crystallinity. <i>Journal of Materials Science</i> , 2021 , 56, 5975-5994	4.3	3
17	Surface Chemistry and Characterization of Cellulose Nanocrystals 2018 , 223-252		3
16	Effect of nitrogen doping in the few layer graphene cathode of an aluminum ion battery. <i>Chemical Physics Letters</i> , 2019 , 733, 136669	2.5	2
15	Self-Assembled Regenerated Cellulose Spacer Film in Thin Film and Generator-Collector Electrodes. <i>Electroanalysis</i> , 2013 , 25, 1773-1779	3	2
14	Synergistic effects of acetic acid and nitric acid in water-based sol-gel synthesis of crystalline TiO ₂ nanoparticles at 25 °C. <i>Journal of Materials Science</i> , 2021 , 56, 16877-16886	4.3	2
13	Enhanced enzymatic hydrolysis of cellulose by endoglucanase via expansin pretreatment and the addition of zinc ions. <i>Bioresource Technology</i> , 2021 , 333, 125139	11	2
12	Polysaccharides in Supercapacitors. <i>Springer Briefs in Molecular Science</i> , 2017 , 15-53	0.6	1
11	How Trace Impurities Can Strongly Affect the Hydroconversion of Biobased 5-Hydroxymethylfurfural?. <i>ACS Catalysis</i> , 2021 , 11, 9204-9209	13.1	1
10	Chlorine-Resistant Epoxide-Based Membranes for Sustainable Water Desalination. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 818-824	11	1
9	Colloidal Stability and Aggregation Mechanism in Aqueous Suspensions of TiO Nanoparticles Prepared by Sol-Gel Synthesis.. <i>Langmuir</i> , 2021 , 37, 14846-14855	4	1
8	A simple, rapid and accurate method for the sample preparation and quantification of meso- and microplastics in food and food waste streams. <i>Environmental Pollution</i> , 2022 , 307, 119511	9.3	1
7	Pico-electrochemistry in humidity-equilibrated electrolyte films on nano-cotton: Three- and four-point probe voltammetry and impedance. <i>Sensors and Actuators B: Chemical</i> , 2015 , 210, 762-767	8.5	0
6	Real-time adsorption of optical brightening agents on cellulose thin films. <i>Carbohydrate Polymers</i> , 2021 , 261, 117826	10.3	0
5	PVA fiber reinforced cement composites with calcined cutter soil mixing residue as a partial cement replacement. <i>Construction and Building Materials</i> , 2022 , 326, 126924	6.7	0
4	Synergistic effects of chloride anions and carboxylated cellulose nanocrystals on the assembly of thick three-dimensional high-performance polypyrrole-based electrodes. <i>Journal of Energy Chemistry</i> , 2022 , 70, 492-501	12	0
3	Grafting Ink for Direct Writing: Solvation Activated Covalent Functionalization of Graphene.. <i>Advanced Science</i> , 2022 , e2105017	13.6	0
2	Exploiting flocculation and membrane filtration synergies for highly energy-efficient, high-yield microalgae harvesting. <i>Separation and Purification Technology</i> , 2022 , 296, 121386	8.3	0
1	Phase Behaviour of Cellulose Nanocrystal Dispersion in Aqueous Sulphuric Acid and Development of an Energy Efficient Separation Technique for the Acid-Cellulose Nanocrystal System. <i>Defect and Diffusion Forum</i> , 2017 , 371, 59-72	0.7	

