

Rico F Tabor

List of Publications by Year in descending order

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256
papers

7,620
citations

66343

42
h-index

88630

70
g-index

260
all docs

260
docs citations

260
times ranked

8830
citing authors

#	ARTICLE	IF	CITATIONS
1	Fibrinogen Diagnostics in Major Hemorrhage. <i>Critical Reviews in Analytical Chemistry</i> , 2022, 52, 194-209.	3.5	4
2	Carboxylated nanocellulose superabsorbent: Biodegradation and soil water retention properties. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51495.	2.6	12
3	Nanocrystallisation and self-assembly of biosourced ferulic acid derivative in polylactic acid elastomeric blends. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1842-1851.	9.4	6
4	Shear-induced nanostructural changes in micelles formed by sugar-based surfactants with varied anomeric configuration. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 328-336.	9.4	9
5	Tracking the heat-triggered phase change of polydopamine-shelled, perfluorocarbon emulsion droplets into microbubbles using neutron scattering. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 836-847.	9.4	8
6	Surfactants and nanoscience. , 2022, , 153-182.		4
7	Biodegradation of a Nanocellulose Superabsorbent and Its Effect on the Growth of Spinach (<i>Spinacea oleracea</i>). <i>ACS Agricultural Science and Technology</i> , 2022, 2, 90-99.	2.3	11
8	Carbon dots as a "green" reagent to produce shape and size controlled gold nanoparticles for application in pollutant degradation. <i>Colloids and Interface Science Communications</i> , 2022, 46, 100571.	4.1	5
9	Thermoresponsive Poly(<i>N</i> -isopropylacrylamide) Grafted from Cellulose Nanofibers via Silver-Promoted Decarboxylative Radical Polymerization. <i>Biomacromolecules</i> , 2022, 23, 1610-1621.	5.4	12
10	Column Agglutination Assay Using Polystyrene Microbeads for Rapid Detection of Antibodies against SARS-CoV-2. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2501-2509.	8.0	3
11	Spontaneous surface adsorption of aqueous graphene oxide by synergy with surfactants. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 797-806.	2.8	7
12	Determination of xylooligosaccharides produced from enzymatic hydrolysis of beechwood xylan using high-performance anion-exchange chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2022, 1666, 462836.	3.7	5
13	Surface defects on wrinkled PDMS induce droplet anisotropy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 639, 128317.	4.7	6
14	Modulating the chiral nanoarchitecture of cellulose nanocrystals through interaction with salts and polymer. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 207-217.	9.4	12
15	A study of different actions of glucanases to modulate microfibrillated cellulose properties. <i>Cellulose</i> , 2022, 29, 2323-2332.	4.9	3
16	Frequency Dependent Silica Dissolution Rate Enhancement under Oscillating Pressure via an Electrochemical Pressure Solution-like, Surface Resonance Mechanism. <i>Journal of the American Chemical Society</i> , 2022, 144, 3875-3891.	13.7	1
17	Cellulose nanocrystals to modulate the self-assembly of graphene oxide in suspension. <i>Materials and Design</i> , 2022, 216, 110572.	7.0	8
18	Chemometric optimisation of enzymatic hydrolysis of beechwood xylan to target desired xylooligosaccharides. <i>Bioresource Technology</i> , 2022, 352, 127041.	9.6	3

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19	Effect of crosslinking on nanocellulose superabsorbent biodegradability. Carbohydrate Polymer Technologies and Applications, 2022, 3, 100199.	2.6	3
20	Synthesis and Characterization of Polyethylenimine-Silica Nanocomposite Microparticles. Langmuir, 2022, 38, 191-202.	3.5	7
21	Local symmetry predictors of mechanical stability in glasses. Science Advances, 2022, 8, eabn0681.	10.3	9
22	Recent advancements, trends, fundamental challenges and opportunities in spray deposited cellulose nanofibril films for packaging applications. Science of the Total Environment, 2022, 836, 155654.	8.0	17
23	Enhanced photoacoustic imaging in tissue-mimicking phantoms using polydopamine-shelled perfluorocarbon emulsion droplets. Ultrasonics Sonochemistry, 2022, 86, 106041.	8.2	8
24	Next-Generation Colloidal Materials for Ultrasound Imaging Applications. Ultrasound in Medicine and Biology, 2022, 48, 1373-1396.	1.5	2
25	Mesoporous Polydopamine Nanobowls Toward Combined Chemo- and Photothermal Cancer Therapy. Particle and Particle Systems Characterization, 2022, 39, .	2.3	7
26	Structure-Performance Relationships for Tail Substituted Zwitterionic Betaine-Azobenzene Surfactants. Langmuir, 2022, 38, 7522-7534.	3.5	3
27	Exploring shear alignment of concentrated wormlike micelles using rheology coupled with small-angle neutron scattering. Physics of Fluids, 2022, 34, .	4.0	8
28	High-performance homogenized and spray coated nanofibrillated cellulose-montmorillonite barriers. Cellulose, 2021, 28, 405-416.	4.9	13
29	A rapid paper-based blood typing method from droplet wicking. Analyst, The, 2021, 146, 1048-1056.	3.5	14
30	Modulating transparency and colour of cellulose nanocrystal composite films by varying polymer molecular weight. Journal of Colloid and Interface Science, 2021, 584, 216-224.	9.4	27
31	Cationic Cross-Linked Nanocellulose-Based Matrices for the Growth and Recovery of Intestinal Organoids. Biomacromolecules, 2021, 22, 701-709.	5.4	20
32	Azobenzene isomerization in condensed matter: lessons for the design of efficient light-responsive soft-matter systems. Materials Advances, 2021, 2, 4152-4164.	5.4	18
33	Exploring the transition of polydopamine-shelled perfluorohexane emulsion droplets into microbubbles using small- and ultra-small-angle neutron scattering. Physical Chemistry Chemical Physics, 2021, 23, 9843-9850.	2.8	7
34	Photothermally responsive Pickering emulsions stabilised by polydopamine nanobowls. Journal of Materials Chemistry B, 2021, 9, 8962-8970.	5.8	17
35	Effective Lignin Utilization Strategy: Major Depolymerization Technologies, Purification Process and Production of Valuable Material. Chemistry Letters, 2021, 50, 1123-1130.	1.3	7
36	OpenDrop: Open-source software for pendant drop tensiometry contact angle measurements. Journal of Open Source Software, 2021, 6, 2604.	4.6	32

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37	Rapidly freeze-dried human red blood cells for pre-transfusion alloantibody testing reagents. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 1689-1697.	3.4	4
38	Ultrasound-assisted fabrication of acoustically active, erythrocyte membrane "bubbles". <i>Ultrasonics Sonochemistry</i> , 2021, 72, 105429.	8.2	5
39	Moulding of micropatterned nanocellulose films and their application in fluid handling. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 162-172.	9.4	7
40	Phenolic Ester-Decorated Cellulose Nanocrystals as UV-Absorbing Nanoreinforcements in Polyvinyl Alcohol Films. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6427-6437.	6.7	27
41	Perspective on Constructing Cellulose-Hydrogel-Based Gut-Like Bioreactors for Growth and Delivery of Multiple-Strain Probiotic Bacteria. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 4946-4959.	5.2	19
42	A thermo-responsive collagen-nanocellulose hydrogel for the growth of intestinal organoids. <i>Materials Science and Engineering C</i> , 2021, 124, 112051.	7.3	32
43	Simplification of gel point characterization of cellulose nano and microfiber suspensions. <i>Cellulose</i> , 2021, 28, 6995-7006.	4.9	18
44	Predicting coffee ring formation upon drying in droplets of particle suspensions. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 52-57.	9.4	15
45	Pattern formation in drying blood drops. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200391.	3.4	14
46	3D Collagen-Nanocellulose Matrices Model the Tumour Microenvironment of Pancreatic Cancer. <i>Frontiers in Digital Health</i> , 2021, 3, 704584.	2.8	21
47	Strategic Approach Towards Plastic Waste Valorization: Challenges and Promising Chemical Upcycling Possibilities. <i>ChemSusChem</i> , 2021, 14, 4007-4027.	6.8	73
48	Design and synthesis of an azobenzene-betaine surfactant for photo-rheological fluids. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 669-680.	9.4	17
49	Deuterated Bacterial Cellulose Dissolution in Ionic Liquids. <i>Macromolecules</i> , 2021, 54, 6982-6989.	4.8	7
50	Influence of Size and Chemical Additives on the Fabrication of Micropattern Nanocellulose Films. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11714-11723.	6.7	3
51	Bowl-Shaped Mesoporous Polydopamine Nanoparticles for Size-Dependent Endocytosis into HeLa Cells. <i>ACS Applied Nano Materials</i> , 2021, 4, 9536-9546.	5.0	15
52	Measuring and modelling the adsorption kinetics of polydisperse PiBSA-based emulsifiers using dynamic interfacial tension measurements. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 624, 126728.	4.7	6
53	pH-responsive pitted polymer particles with surface morphologies from cup shaped to multicavities. <i>Colloid and Polymer Science</i> , 2021, 299, 1717-1728.	2.1	2
54	Heads or tails? The synthesis, self-assembly, properties and uses of betaine and betaine-like surfactants. <i>Advances in Colloid and Interface Science</i> , 2021, 297, 102528.	14.7	33

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55	Effect of the counter-ion on nanocellulose hydrogels and their superabsorbent structure and properties. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 140-148.	9.4	28
56	Absorption kinetics of nanocellulose foams: Effect of ionic strength and surface charge. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 124-132.	9.4	9
57	Norepinephrine derived carbon dots for live-cell imaging and effective hemoglobin determination. <i>Soft Matter</i> , 2021, 17, 6765-6772.	2.7	9
58	Droplet-based blood group antibody screening with laser incubation. <i>Analyst</i> , The, 2021, 146, 2499-2505.	3.5	3
59	Photo-switchable membranes constructed from graphene oxide/star-PDMS nanocomposites for gas permeation control. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21167-21174.	10.3	6
60	Wash-free paper diagnostics for the rapid detection of blood type antibodies. <i>Analyst</i> , The, 2021, 146, 6970-6980.	3.5	3
61	Synthesis and characterisation of polynorepinephrine-shelled microcapsules <i>via</i> an oil-in-water emulsion templating route. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9575-9582.	5.8	6
62	Bio-based photo-reversible self-healing polymer designed from lignin. <i>Green Chemistry</i> , 2021, 23, 10050-10061.	9.0	19
63	Characterizing highly fibrillated nanocellulose by modifying the gel point methodology. <i>Carbohydrate Polymers</i> , 2020, 227, 115340.	10.2	27
64	Rapid, hand-held paper diagnostic for measuring Fibrinogen Concentration in blood. <i>Analytica Chimica Acta</i> , 2020, 1102, 72-83.	5.4	5
65	Bioinspired polynorepinephrine nanoparticles as an efficient vehicle for enhanced drug delivery. <i>Journal of Materials Chemistry B</i> , 2020, 8, 961-968.	5.8	20
66	An energy efficient production of high moisture barrier nanocellulose/carboxymethyl cellulose films via spray-deposition technique. <i>Carbohydrate Polymers</i> , 2020, 250, 116911.	10.2	20
67	Open-Closed Structure of Light-Responsive Protein LOV2 Regulates Its Molecular Interaction with a Binding Partner. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8647-8653.	4.6	3
68	Paper Diagnostic for Direct Measurement of Fibrinogen Concentration in Whole Blood. <i>ACS Sensors</i> , 2020, 5, 3627-3638.	7.8	10
69	Impact of heat drying on the physical and environmental characteristics of the nanocellulose-based films produced via spray deposition technique. <i>Cellulose</i> , 2020, 27, 10225-10239.	4.9	7
70	Rapid Gel Card Agglutination Assays for Serological Analysis Following SARS-CoV-2 Infection in Humans. <i>ACS Sensors</i> , 2020, 5, 2596-2603.	7.8	26
71	<i>In Situ</i> Nanostructural Analysis of Concentrated Wormlike Micellar Fluids Comprising Sodium Laureth Sulfate and Cocamidopropyl Betaine Using Small-Angle Neutron Scattering. <i>Langmuir</i> , 2020, 36, 14296-14305.	3.5	7
72	Self-Assembly of Lubricin (PRG-4) Brushes on Graphene Oxide Affords Stable 2D-Nanosheets in Concentrated Electrolytes and Complex Fluids. <i>ACS Applied Nano Materials</i> , 2020, 3, 11527-11542.	5.0	9

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73	Surfactant-controlled crystal growth of metal-organic frameworks and their nanoparticle pyrolysis products. <i>Materialia</i> , 2020, 13, 100849.	2.7	1
74	Grafting Nature-Inspired and Bio-Based Phenolic Esters onto Cellulose Nanocrystals Gives Biomaterials with Photostable Anti-UV Properties. <i>ChemSusChem</i> , 2020, 13, 6552-6561.	6.8	24
75	Efficient Cellular Internalization and Transport of Bowl-Shaped Polydopamine Particles. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 2000166.	2.3	11
76	Polynorepinephrine as an Efficient Antifouling-Coating Material and Its Application as a Bacterial Killing Photothermal Agent. <i>ACS Applied Bio Materials</i> , 2020, 3, 5880-5886.	4.6	12
77	Grafting Nature-Inspired and Bio-Based Phenolic Esters onto Cellulose Nanocrystals Gives Biomaterials with Photostable Anti-UV Properties. <i>ChemSusChem</i> , 2020, 13, 6460-6460.	6.8	1
78	Confined polymerisation of bis-thymynyl monomers within nanoreactors: towards molecular weight control. <i>Polymer Chemistry</i> , 2020, 11, 4326-4334.	3.9	9
79	Directly probing surfactant adsorption on nanoscopic trenches and pillars. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 128-139.	9.4	1
80	Controlling the transparency and rheology of nanocellulose gels with the extent of carboxylation. <i>Carbohydrate Polymers</i> , 2020, 245, 116566.	10.2	43
81	Radial Wicking of Biological Fluids in Paper. <i>Langmuir</i> , 2020, 36, 8209-8217.	3.5	14
82	Reversible pH Responsive Bovine Serum Albumin Hydrogel Sponge Nanolayer. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 573.	4.1	33
83	Experimental studies on pipeline transportation of high internal phase emulsions using water-lubricated core-annular flow method. <i>Chemical Engineering Science</i> , 2020, 223, 115741.	3.8	8
84	Recent Progress in Cellulose Nanocrystal Alignment and Its Applications. <i>ACS Applied Bio Materials</i> , 2020, 3, 1828-1844.	4.6	36
85	Spontaneous Adsorption of Graphene Oxide to Oil-Water and Air-Water Interfaces by Adsorption of Hydrotropes. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901810.	3.7	11
86	Spontaneous Self-Assembly of Thermoresponsive Vesicles Using a Zwitterionic and an Anionic Surfactant. <i>Biomacromolecules</i> , 2020, 21, 4569-4576.	5.4	20
87	Tuning Cellular Interactions of Carboxylic Acid-Side-Chain-Containing Polyacrylates: The Role of Cyanine Dye Label and Side-Chain Type. <i>Biomacromolecules</i> , 2020, 21, 3007-3016.	5.4	14
88	Capture of Perfluorooctanoic Acid Using Oil-Filled Graphene Oxide-Silica Hybrid Capsules. <i>Environmental Science & Technology</i> , 2020, 54, 3549-3558.	10.0	17
89	Gas-Generating, pH-Responsive Calcium Carbonate Hybrid Particles with Biomimetic Coating for Contrast-Enhanced Ultrasound Imaging. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 1900471.	2.3	24
90	Structural relationships for the design of responsive azobenzene-based lyotropic liquid crystals. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 4086-4095.	2.8	8

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91	Linear Bio-Based Water Soluble Aromatic Polymers from Syringic Acid, S Type Degradation Fragment from Lignin. <i>Journal of Polymer Science</i> , 2020, 58, 540-547.	3.8	7
92	Polyamide-amine-epichlorohydrin (PAE) induced TiO ₂ nanoparticles assembly in cellulose network. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 317-325.	9.4	10
93	Cellulose Nano-Films as Bio-Interfaces. <i>Frontiers in Chemistry</i> , 2019, 7, 535.	3.6	36
94	Photothermal incubation of red blood cells by laser for rapid pre-transfusion blood group typing. <i>Scientific Reports</i> , 2019, 9, 11221.	3.3	5
95	Graphene Oxide Liquid Crystal Domains: Quantification and Role in Tailoring Viscoelastic Behavior. <i>ACS Nano</i> , 2019, 13, 8957-8969.	14.6	24
96	Kinetic Control of Aggregation Shape in Micellar Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13799-13802.	13.8	18
97	Rapid paper diagnostic for plasma fibrinogen concentration. <i>Analyst, The</i> , 2019, 144, 4848-4857.	3.5	13
98	Characterisation of hydrogels: Linking the nano to the microscale. <i>Advances in Colloid and Interface Science</i> , 2019, 274, 102044.	14.7	75
99	Synthesis of Lignin-based Phenol Terminated Hyperbranched Polymer. <i>Molecules</i> , 2019, 24, 3717.	3.8	7
100	Kinetic Control of Aggregation Shape in Micellar Self-Assembly. <i>Angewandte Chemie</i> , 2019, 131, 13937-13940.	2.0	1
101	One-shot TEMPO-periodate oxidation of native cellulose. <i>Carbohydrate Polymers</i> , 2019, 226, 115292.	10.2	71
102	Graphene oxide: a surfactant or particle?. <i>Current Opinion in Colloid and Interface Science</i> , 2019, 39, 98-109.	7.4	62
103	Dynamics of stain growth from sessile droplets on paper. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 312-321.	9.4	14
104	Carbon Quantum Dot Assisted Adsorption of Graphene Oxide to the Oil-Water Interface for Copper Sensing Emulsions. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900392.	3.7	9
105	Topologically Controlled Synthesis of Reversible Macrocyclic Compounds in Microemulsions. <i>Journal of Organic Chemistry</i> , 2019, 84, 8596-8601.	3.2	1
106	Graphene oxide-silica hybrid capsules for sustained fragrance release. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 528-539.	9.4	25
107	Nanocellulose Hydrogel for Blood Typing Tests. <i>ACS Applied Bio Materials</i> , 2019, 2, 2355-2364.	4.6	18
108	Enhancing Printing Resolution on Hydrophobic Polymer Surfaces Using Patterned Coatings of Cellulose Nanocrystals. <i>Langmuir</i> , 2019, 35, 7155-7160.	3.5	15

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109	Engineering nanocellulose hydrogels for biomedical applications. <i>Advances in Colloid and Interface Science</i> , 2019, 267, 47-61.	14.7	286
110	Worm-like micelles and vesicles formed by alkyl-oligo(ethylene glycol)-glycoside carbohydrate surfactants: The effect of precisely tuned amphiphilicity on aggregate packing. <i>Journal of Colloid and Interface Science</i> , 2019, 547, 275-290.	9.4	13
111	On the mechanism of protein supercharging in electrospray ionisation mass spectrometry: Effects on charging of additives with short- and long-chain alkyl constituents with carbonate and sulphite terminal groups. <i>Analytica Chimica Acta: X</i> , 2019, 1, 100004.	1.0	8
112	Tuning the structure, thermal stability and rheological properties of liquid crystal phases via the addition of silica nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25649-25657.	2.8	5
113	The effects of small molecule organic additives on the self-assembly and rheology of betaine wormlike micellar fluids. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 518-532.	9.4	51
114	Rich liquid crystal phase behavior of novel alkyl-tri(ethylene glycol)-glucoside carbohydrate surfactants. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 410-419.	9.4	13
115	Enhanced Thermal Conductivity of High Internal Phase Emulsions with Ultra-Low Volume Fraction of Graphene Oxide. <i>Langmuir</i> , 2019, 35, 2738-2746.	3.5	4
116	Nanocellulose for gel electrophoresis. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 148-154.	9.4	9
117	Carboxylated nanocellulose foams as superabsorbents. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 433-439.	9.4	40
118	Effects of fibre dimension and charge density on nanocellulose gels. <i>Journal of Colloid and Interface Science</i> , 2018, 525, 119-125.	9.4	33
119	Water Resistant Cellulose “ Titanium Dioxide Composites for Photocatalysis. <i>Scientific Reports</i> , 2018, 8, 2306.	3.3	59
120	Flexible spray coating process for smooth nanocellulose film production. <i>Cellulose</i> , 2018, 25, 1725-1741.	4.9	35
121	Producing nanofibres from carrots with a chemical-free process. <i>Carbohydrate Polymers</i> , 2018, 184, 307-314.	10.2	40
122	Highly efficient recovery of graphene oxide by froth flotation using a common surfactant. <i>Carbon</i> , 2018, 135, 164-170.	10.3	18
123	Physicochemical and Biological Characterisation of Azobenzene-Containing Photoswitchable Surfactants. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 932-939.	3.2	27
124	Self-Assembly of Long-Chain Betaine Surfactants: Effect of Tailgroup Structure on Wormlike Micelle Formation. <i>Langmuir</i> , 2018, 34, 970-977.	3.5	52
125	Effect of nanoparticles size and polyelectrolyte on nanoparticles aggregation in a cellulose fibrous matrix. <i>Journal of Colloid and Interface Science</i> , 2018, 510, 190-198.	9.4	13
126	Synthesis, Characterization, and Applications of Polymer“Silica Core“Shell Microparticle Capsules. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43068-43079.	8.0	20

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127	Multi-Layer Filters: Adsorption and Filtration Mechanisms for Improved Separation. <i>Frontiers in Chemistry</i> , 2018, 6, 417.	3.6	16
128	Cellulose Dissolution in Ionic Liquid: Ion Binding Revealed by Neutron Scattering. <i>Macromolecules</i> , 2018, 51, 7649-7655.	4.8	31
129	Pickering Emulsions Electrostatically Stabilized by Cellulose Nanocrystals. <i>Frontiers in Chemistry</i> , 2018, 6, 409.	3.6	97
130	Preparation of novel film-forming armoured latexes using silica nanoparticles as a pickering emulsion stabiliser. <i>Journal of Colloid and Interface Science</i> , 2018, 528, 289-300.	9.4	9
131	Effect of protein adsorption on the radial wicking of blood droplets in paper. <i>Journal of Colloid and Interface Science</i> , 2018, 528, 116-123.	9.4	17
132	Structural and rheological changes of lamellar liquid crystals as a result of compositional changes and added silica nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16592-16603.	2.8	15
133	Wormlike micelle formation of novel alkyl-tri(ethylene glycol)-glucoside carbohydrate surfactants: Structure-function relationships and rheology. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 464-475.	9.4	38
134	Atomic Force Microscopy Force Mapping Analysis of an Adsorbed Surfactant above and below the Critical Micelle Concentration. <i>Langmuir</i> , 2018, 34, 7223-7239.	3.5	12
135	Novel In-situ Precipitation Process to Engineer Low Permeability Porous Composite. <i>Scientific Reports</i> , 2018, 8, 10747.	3.3	7
136	Effect of Bovine Serum Albumin Treatment on the Aging and Activity of Antibodies in Paper Diagnostics. <i>Frontiers in Chemistry</i> , 2018, 6, 161.	3.6	18
137	Activity and Longevity of Antibody in Paper-Based Blood Typing Diagnostics. <i>Frontiers in Chemistry</i> , 2018, 6, 193.	3.6	10
138	Gelation mechanism of cellulose nanofibre gels: A colloids and interfacial perspective. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 39-46.	9.4	141
139	Surface Engineering of Transparent Cellulose Nanocrystal Coatings for Biomedical Applications. <i>ACS Applied Bio Materials</i> , 2018, 1, 728-737.	4.6	9
140	Bulk properties of aqueous graphene oxide and reduced graphene oxide with surfactants and polymers: adsorption and stability. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16801-16816.	2.8	41
141	Cationic polyacrylamide induced nanoparticles assembly in a cellulose nanofiber network. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 180-186.	9.4	14
142	Bio-deuterated cellulose thin films for enhanced contrast in neutron reflectometry. <i>Cellulose</i> , 2017, 24, 11-20.	4.9	18
143	Mapping the distribution of specific antibody interaction forces on individual red blood cells. <i>Scientific Reports</i> , 2017, 7, 41956.	3.3	11
144	Structure and Property Changes in Self-Assembled Lubricin Layers Induced by Calcium Ion Interactions. <i>Langmuir</i> , 2017, 33, 2559-2570.	3.5	38

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145	Zinc oxide nanorods functionalized paper for protein preconcentration in biodiagnostics. <i>Scientific Reports</i> , 2017, 7, 43905.	3.3	31
146	Decreasing the Wettability of Cellulose Nanocrystal Surfaces Using Wrinkle-Based Alignment. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15202-15211.	8.0	32
147	Direct measurement of IgM- Antigen interaction energy on individual red blood cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 373-378.	5.0	4
148	Synthesis and Characterization of Graphene Oxide-Polystyrene Composite Capsules with Aqueous Cargo via a Water-in-Water Multiple Emulsion Templating Route. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18187-18198.	8.0	29
149	Atomic force microscopy: From red blood cells to immunohaematology. <i>Advances in Colloid and Interface Science</i> , 2017, 249, 149-162.	14.7	51
150	Rapid preparation of smooth nanocellulose films using spray coating. <i>Cellulose</i> , 2017, 24, 2669-2676.	4.9	48
151	Quantitative Detection of Weak D Antigen Variants in Blood Typing using SPR. <i>Scientific Reports</i> , 2017, 7, 1616.	3.3	13
152	Oxidized Lignin Depolymerization using Formate Ionic Liquid as Catalyst and Solvent. <i>ChemCatChem</i> , 2017, 9, 2684-2690.	3.7	33
153	Synthesis and characterisation of robust emulsion-templated silica microcapsules. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 664-672.	9.4	12
154	Strong cellulose nanofibre-nanosilica composites with controllable pore structure. <i>Cellulose</i> , 2017, 24, 2511-2521.	4.9	17
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