Michael K C Tam

List of Publications by Year
in descending order

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Version: 2024-02-01

401 papers	22,135 citations	8755 77 h-index	18400 124 g-index
404 all docs	404 docs citations	404 times ranked	23654 citing authors

#	Article	IF	Citations
1	Versatile sensing devices for self-driven designated therapy based on robust breathable composite films. Nano Research, 2022, 15, 1027-1038.	5.8	33
2	Flexible, anti-damage, and non-contact sensing electronic skin implanted with MWCNT to block public pathogens contact infection. Nano Research, 2022, 15, 2616-2625.	5.8	19
3	Novel ultrasonic-coating technology to design robust, highly sensitive and wearable textile sensors with conductive nanocelluloses. Chemical Engineering Journal, 2022, 428, 131289.	6.6	40
4	Superhydrophobic surfaces from sustainable colloidal systems. Current Opinion in Colloid and Interface Science, 2022, 57, 101534.	3.4	24
5	Lightweight Nanofibrous Crosslinked Composite Aerogels with Controllable Shapes and Superelasticity for Pressure Sensors. Macromolecular Materials and Engineering, 2022, 307, .	1.7	5
6	Building Pathways to a Sustainable Planet. ACS Sustainable Chemistry and Engineering, 2022, 10, 1-2.	3.2	1
7	Synergistic complexation of phenol functionalized polymer induced in situ microfiber formation for 3D printing of marine-based hydrogels. Green Chemistry, 2022, 24, 2409-2422.	4.6	16
8	Sustainable Superhydrophobic Surface with Tunable Nanoscale Hydrophilicity for Water Harvesting Applications. Angewandte Chemie, 2022, 134, .	1.6	4
9	Sustainable Superhydrophobic Surface with Tunable Nanoscale Hydrophilicity for Water Harvesting Applications. Angewandte Chemie - International Edition, 2022, 61, .	7.2	35
10	Î²-Cyclodextrin functionalized magnetic nanoparticles for the removal of pharmaceutical residues in drinking water. Journal of Industrial and Engineering Chemistry, 2022, 109, 461-474.	2.9	15
11	Effect of Oil Phase Transition on the Stability of Pickering Emulsions Stabilized by Cellulose Nanocrystals. Langmuir, 2022, 38, 2737-2745.	1.6	4
12	Modeling of Thermo-Responsive Stiffening of Poly(oligo(ethylene glycol)methacrylate)â€“Cellulose Nanocrystal Hydrogels. ACS Applied Polymer Materials, 2022, 4, 2674-2682.	2.0	1
13	Bile Acid Sequestrants for Hypercholesterolemia Treatment Using Sustainable Biopolymers: Recent Advances and Future Perspectives. Molecular Pharmaceutics, 2022, 19, 1248-1272.	2.3	13
14	Effect of hydrophobic modification of cellulose nanocrystal (CNC) and salt addition on Pickering emulsions undergoing phase-transition. Carbohydrate Polymer Technologies and Applications, 2022, 3, 100201.	1.6	4
15	Emulsions undergoing phase transition: Effect of emulsifier type and concentration. Journal of Colloid and Interface Science, 2022, 617, 214-223.	5.0	10
16	Electroconductive cellulose nanocrystals â€” Synthesis, properties and applications: A review. Carbohydrate Polymers, 2022, 289, 119419.	5.1	19
17	Osmotic energy generation with mechanically robust and oppositely charged cellulose nanocrystal intercalating GO membranes. Nano Energy, 2022, 98, 107291.	8.2	25
18	Sustainable and Versatile Superhydrophobic Cellulose Nanocrystals. ACS Sustainable Chemistry and Engineering, 2022, 10, 5939-5948.	3.2	36

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19	Nanocellulose-based functional materials for advanced energy and sensor applications. Nano Research, 2022, 15, 7432-7452.	5.8	24
20	Robust visible-light photocatalytic H₂ evolution on 2D RGO/Cd_{0.15}Zn_{0.85}In₂S₄â€“Ni₂P hierarchitectures. Catalysis Science and Technology, 2022, 12, 4181-4192.	2.1	3
21	Physicochemical Properties of Inorganic Nanopesticides/Nanofertilizers in Aqueous Media and Tank Mixtures. , 2022, , 253-270.		1
22	Synthesis and characterization of modified cellulose nanofibril organosilica aerogels for the removal of anionic dye. Journal of Polymer Research, 2022, 29, .	1.2	9
23	Encapsulation and controlled release of vitamin C in modified cellulose nanocrystal/chitosan nanocapsules. Current Research in Food Science, 2021, 4, 215-223.	2.7	45
24	Co(III)-Salen immobilized cellulose nanocrystals for efficient catalytic CO2 fixation into cyclic carbonates under mild conditions. Carbohydrate Polymers, 2021, 256, 117558.	5.1	18
25	Fishing for the right probiotic: hostâ€“microbe interactions at the interface of effective aquaculture strategies. FEMS Microbiology Reviews, 2021, 45, .	3.9	14
26	Shaping Effective Practices for Incorporating Sustainability Assessment in Manuscripts Submitted to ACS Sustainable Chemistry & Engineering: Biomaterials. ACS Sustainable Chemistry and Engineering, 2021, 9, 7400-7402.	3.2	2
27	Sticky Hydrogels from Hydrazide-Functionalized Poly(oligo(ethylene glycol) methacrylate) and Dialdehyde Cellulose Nanocrystals with Tunable Thermal and Strain-Hardening Characteristics. ACS Sustainable Chemistry and Engineering, 2021, 9, 10424-10430.	3.2	7
28	Versatile nanocellulose-based nanohybrids: A promising-new class for active packaging applications. International Journal of Biological Macromolecules, 2021, 182, 1915-1930.	3.6	23
29	Selective adsorption and separation of organic dyes using functionalized cellulose nanocrystals. Chemical Engineering Journal, 2021, 417, 129237.	6.6	116
30	Highly sensitive self-healable strain biosensors based on robust transparent conductive nanocellulose nanocomposites: Relationship between percolated network and sensing mechanism. Biosensors and Bioelectronics, 2021, 191, 113467.	5.3	25
31	Expectations for Perspectives in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2021, 9, 16528-16530.	3.2	1
32	Sensitive, Stretchable, and Sustainable Conductive Cellulose Nanocrystal Composite for Human Motion Detection. ACS Sustainable Chemistry and Engineering, 2021, 9, 17351-17361.	3.2	16
33	Self-healing stimuli-responsive cellulose nanocrystal hydrogels. Carbohydrate Polymers, 2020, 229, 115486.	5.1	60
34	Cellulose-based materials in wastewater treatment of petroleum industry. Green Energy and Environment, 2020, 5, 37-49.	4.7	159
35	The Evolution of ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 1-1.	3.2	6
36	Dual physically and chemically cross-linked polyelectrolyte nanohydrogels: Compositional and pH-dependent behavior studies. European Polymer Journal, 2020, 122, 109398.	2.6	12

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37	Polyethylenimine-modified chitosan materials for the recovery of La(III) from leachates of bauxite residue. Chemical Engineering Journal, 2020, 388, 124307.	6.6	86
38	Expectations for Manuscripts in ACS Sustainable Chemistry & Engineering: Scope Summary and Call for Creativity. ACS Sustainable Chemistry and Engineering, 2020, 8, 16046-16047.	3.2	2
39	Effect of Molecular Architecture and Composition on the Aggregation Pathways of POEGMA Random Copolymers in Water. Langmuir, 2020, 36, 15018-15029.	1.6	18
40	Dye Removal Using Sustainable Membrane Adsorbents Produced from Melamine Formaldehydeâ^'Cellulose Nanocrystals and Hard Wood Pulp. Industrial & Engineering Chemistry Research, 2020, 59, 20854-20865.	1.8	12
41	Stimuli-responsive hydrogel consisting of hydrazide-functionalized poly(oligo(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.6	10
42	Expectations for Manuscripts on Biomass Feedstocks and Processing in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 11031-11032.	3.2	2
43	Efficient visible-light induced H2 evolution from T-CdxZn1-xS/defective MoS2 nano-hybrid with both bulk twinning homojunctions and interfacial heterostructures. Applied Catalysis B: Environmental, 2020, 267, 118702.	10.8	55
44	Remembering Professor, Academician, and Editor Lina Zhang. ACS Sustainable Chemistry and Engineering, 2020, 8, 16385-16385.	3.2	0
45	Interfacial Control of the Synthesis of Cellulose Nanocrystal Gold Nanoshells. Langmuir, 2020, 36, 11215-11224.	1.6	5
46	Carbodiimide coupling versus click chemistry for nanoparticle surface functionalization: A comparative study for the encapsulation of sodium cholate by cellulose nanocrystals modified with Î²-cyclodextrin. Carbohydrate Polymers, 2020, 244, 116512.	5.1	16
47	Carboxylated cellulose cryogel beads via a one-step ester crosslinking of maleic anhydride for copper ions removal. Carbohydrate Polymers, 2020, 242, 116397.	5.1	36
48	Functionalized cellulose nanocrystals as the performance regulators of poly(Î²-hydroxybutyrate-co-valerate) biocomposites. Carbohydrate Polymers, 2020, 242, 116399.	5.1	16
49	The Changing Structure of Scientific Communication: Expanding the Nature of Letters Submissions to ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 8469-8470.	3.2	0
50	Functional cellulose nanocrystals containing cationic and thermo-responsive polymer brushes. Carbohydrate Polymers, 2020, 246, 116651.	5.1	14
51	Shape recoverable and mechanically robust cellulose aerogel beads for efficient removal of copper ions. Chemical Engineering Journal, 2020, 392, 124821.	6.6	107
52	Cellulose nanocrystals in smart and stimuli-responsive materials: a review. Materials Today Advances, 2020, 5, 100055.	2.5	72
53	Reinforcement of rubber nanocomposite thin sheets by percolation of pristine cellulose nanocrystals. International Journal of Biological Macromolecules, 2020, 152, 428-436.	3.6	44
54	Novel design of Fe-Cu alloy coated cellulose nanocrystals with strong antibacterial ability and efficient Pb2+ removal. Carbohydrate Polymers, 2020, 234, 115889.	5.1	46

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55	Double stimuli-responsive cellulose nanocrystals reinforced electrospun PHBV composites membrane for intelligent drug release. International Journal of Biological Macromolecules, 2020, 155, 330-339.	3.6	44
56	Double stabilization mechanism of O/W Pickering emulsions using cationic nanofibrillated cellulose. Journal of Colloid and Interface Science, 2020, 574, 207-216.	5.0	50
57	Green acid-free hydrolysis of wasted pomelo peel to produce carboxylated cellulose nanofibers with super absorption/flocculation ability for environmental remediation materials. Chemical Engineering Journal, 2020, 395, 125070.	6.6	97
58	Inclusion Complexation between Î±-Cyclodextrin and Oligo(ethylene glycol) Methyl Ether Methacrylate. ACS Omega, 2020, 5, 9517-9528.	1.6	7
59	Nanopesticides: From the Bench to the Market. , 2020, , 317-348.		6
60	Constructing stimuli-free self-healing, robust and ultrasensitive biocompatible hydrogel sensors with conductive cellulose nanocrystals. Chemical Engineering Journal, 2020, 398, 125547.	6.6	148
61	Expectations for Papers on Sustainable Materials in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 1703-1704.	3.2	9
62	Synthesis and physicochemical properties of dual-responsive acrylic acid/butyl acrylate cross-linked nanogel systems. Journal of Colloid and Interface Science, 2019, 556, 313-323.	5.0	35
63	Natural Biodegradable Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Nanocomposites with Multifunctional Cellulose Nanocrystals/Graphene Oxide Hybrids for High-Performance Food Packaging. Journal of Agricultural and Food Chemistry, 2019, 67, 10954-10967.	2.4	85
64	Polymeric hollow microcapsules (PHM) via cellulose nanocrystal stabilized Pickering emulsion polymerization. Journal of Colloid and Interface Science, 2019, 555, 489-497.	5.0	55
65	Pickering emulsions stabilized by hydrophobically modified nanocellulose containing various structural characteristics. Cellulose, 2019, 26, 7753-7767.	2.4	78
66	Comprehensive Insight into Degradation Mechanism of Green Biopolyester Nanocomposites Using Functionalized Cellulose Nanocrystals. ACS Sustainable Chemistry and Engineering, 2019, 7, 15537-15547.	3.2	35
67	Microencapsulation of Phase Change Materials with Polystyrene/Cellulose Nanocrystal Hybrid Shell via Pickering Emulsion Polymerization. ACS Sustainable Chemistry and Engineering, 2019, 7, 17756-17767.	3.2	84
68	Facile and Green Synthesis of Carboxylated Cellulose Nanocrystals as Efficient Adsorbents in Wastewater Treatments. ACS Sustainable Chemistry and Engineering, 2019, 7, 18067-18075.	3.2	65
69	Enantiomeric glycosylated cationic block co-beta-peptides eradicate Staphylococcus aureus biofilms and antibiotic-tolerant persisters. Nature Communications, 2019, 10, 4792.	5.8	88
70	Î²-Cyclodextrin-Functionalized Cellulose Nanocrystals and Their Interactions with Surfactants. ACS Omega, 2019, 4, 2102-2110.	1.6	14
71	Cinnamateâ€Functionalized Cellulose Nanocrystals as UVâ€Shielding Nanofillers in Sunscreen and Transparent Polymer Films. Advanced Sustainable Systems, 2019, 3, 1800156.	2.7	34
72	Thermo and light-responsive phase change nanofibers with high energy storage efficiency for energy storage and thermally regulated onâ€“off drug release devices. Chemical Engineering Journal, 2019, 375, 121979.	6.6	54

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73	Supramolecular Self-Assembly of 3D Conductive Cellulose Nanofiber Aerogels for Flexible Supercapacitors and Ultrasensitive Sensors. ACS Applied Materials & Interfaces, 2019, 11, 24435-24446.	4.0	120
74	Simple Synthesis of Flower-like Manganese Dioxide Nanostructures on Cellulose Nanocrystals for High-Performance Supercapacitors and Wearable Electrodes. ACS Sustainable Chemistry and Engineering, 2019, 7, 11823-11831.	3.2	35
75	Polydopamine microcapsules from cellulose nanocrystal stabilized Pickering emulsions for essential oil and pesticide encapsulation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 570, 403-413.	2.3	68
76	Multibranch Strategy To Decorate Carboxyl Groups on Cellulose Nanocrystals To Prepare Adsorbent/Flocculants and Pickering Emulsions. ACS Sustainable Chemistry and Engineering, 2019, 7, 6969-6980.	3.2	69
77	CO₂-Responsive Cellulose Nanofibers Aerogels for Switchable Oilâ€“Water Separation. ACS Applied Materials & Interfaces, 2019, 11, 9367-9373.	4.0	123
78	Simple Process To Produce High-Yield Cellulose Nanocrystals Using Recyclable Citric/Hydrochloric Acids. ACS Sustainable Chemistry and Engineering, 2019, 7, 4912-4923.	3.2	96
79	Construction of functional cellulose aerogels via atmospheric drying chemically cross-linked and solvent exchanged cellulose nanofibrils. Chemical Engineering Journal, 2019, 366, 531-538.	6.6	82
80	Designing Highly Luminescent Cellulose Nanocrystals with Modulated Morphology for Multifunctional Bioimaging Materials. ACS Applied Materials & Interfaces, 2019, 11, 48192-48201.	4.0	39
81	Compressible cellulose nanofibril (CNF) based aerogels produced via a bio-inspired strategy for heavy metal ion and dye removal. Carbohydrate Polymers, 2019, 208, 404-412.	5.1	168
82	Drug release kinetics of pHâ€responsive microgels of different glassâ€transition temperatures. Journal of Applied Polymer Science, 2019, 136, 47284.	1.3	4
83	Controlled coagulation and redispersion of thermoresponsive poly di(ethylene oxide) methyl ether methacrylate grafted cellulose nanocrystals. Journal of Colloid and Interface Science, 2019, 538, 51-61.	5.0	15
84	Phosphorylated-CNC/modified-chitosan nanocomplexes for the stabilization of Pickering emulsions. Carbohydrate Polymers, 2019, 206, 520-527.	5.1	61
85	Why Wasnâ€™t My <i>ACS Sustainable Chemistry & Engineering</i> Manuscript Sent Out for Review?. ACS Sustainable Chemistry and Engineering, 2019, 7, 1-2.	3.2	5
86	A comparative study on grafting polymers from cellulose nanocrystals via surface-initiated atom transfer radical polymerization (ATRP) and activator re-generated by electron transfer ATRP. Carbohydrate Polymers, 2019, 205, 322-329.	5.1	66
87	The Use of Nano-Polysaccharides in Biomedical Applications. Springer Series in Biomaterials Science and Engineering, 2019, , 171-219.	0.7	3
88	Rheological properties of cellulose nanocrystal-polymeric systems. Cellulose, 2018, 25, 3229-3240.	2.4	34
89	Cellulose nanomaterials: promising sustainable nanomaterials for application in water/wastewater treatment processes. Environmental Science: Nano, 2018, 5, 623-658.	2.2	206
90	Cellulose nanocrystal (CNC)â€“inorganic hybrid systems: synthesis, properties and applications. Journal of Materials Chemistry B, 2018, 6, 864-883.	2.9	127

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91	Inverse Pickering Emulsions Stabilized by Cinnamate Modified Cellulose Nanocrystals as Templates To Prepare Silica Colloidosomes. ACS Sustainable Chemistry and Engineering, 2018, 6, 2583-2590.	3.2	59
92	UV-Absorbing Cellulose Nanocrystals as Functional Reinforcing Fillers in Poly(vinyl chloride) Films. ACS Applied Nano Materials, 2018, 1, 632-641.	2.4	56
93	Advancing the Use of Sustainability Metrics in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2018, 6, 1-1.	3.2	34
94	Gold nanoparticles stabilized by poly(4-vinylpyridine) grafted cellulose nanocrystals as efficient and recyclable catalysts. Carbohydrate Polymers, 2018, 182, 61-68.	5.1	76
95	Applications of nanotechnology in oil and gas industry: Progress and perspective. Canadian Journal of Chemical Engineering, 2018, 96, 91-100.	0.9	77
96	3D bioprinting of liver-mimetic construct with alginate/cellulose nanocrystal hybrid bioink. Bioprinting, 2018, 9, 1-6.	2.9	154
97	ARGET ATRP of Triblock Copolymers (PMMA-b-PEO-b-PMMA) and Their Microstructure in Aqueous Solution. ACS Omega, 2018, 3, 15996-16004.	1.6	9
98	Cellulose Nanocrystalâ€“ZnO Nanohybrids for Controlling Photocatalytic Activity and UV Protection in Cosmetic Formulation. ACS Omega, 2018, 3, 12403-12411.	1.6	40
99	Amphiphilic Cellulose Nanocrystals for Enhanced Pickering Emulsion Stabilization. Langmuir, 2018, 34, 12897-12905.	1.6	107
100	Convenient characterization of polymers grafted on cellulose nanocrystals via SI-ATRP without chain cleavage. Carbohydrate Polymers, 2018, 199, 603-609.	5.1	48
101	Cross-linked Pluronic- g -Polyacrylic acid microgel system for the controlled release of doxorubicin in pharmaceutical formulations. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 114, 230-238.	2.0	11
102	Functionalization of cellulose nanocrystals for advanced applications. Journal of Colloid and Interface Science, 2017, 494, 397-409.	5.0	351
103	Recent advances in the application of cellulose nanocrystals. Current Opinion in Colloid and Interface Science, 2017, 29, 32-45.	3.4	456
104	Effect of surface modification of cellulose nanocrystal on nonisothermal crystallization of poly(Î²-hydroxybutyrate) composites. Carbohydrate Polymers, 2017, 157, 1821-1829.	5.1	65
105	Morphology and mechanical properties of poly(Î²-hydroxybutyrate)/poly(Îµ-caprolactone) blends controlled with cellulosic particles. Carbohydrate Polymers, 2017, 174, 217-225.	5.1	30
106	Enhanced non-viral gene delivery by coordinated endosomal release and inhibition of Î²-tubulin deactylase. Nucleic Acids Research, 2017, 45, e38-e38.	6.5	23
107	Four Years of ACS Sustainable Chemistry & Engineering: Reflections and New Developments. ACS Sustainable Chemistry and Engineering, 2017, 5, 1-2.	3.2	8
108	Nanoparticles of Short Cationic Peptidopolysaccharide Self-Assembled by Hydrogen Bonding with Antibacterial Effect against Multidrug-Resistant Bacteria. ACS Applied Materials & Interfaces, 2017, 9, 38288-38303.	4.0	67

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109	Organic Solvent-Free Fabrication of Durable and Multifunctional Superhydrophobic Paper from Waterborne Fluorinated Cellulose Nanofiber Building Blocks. ACS Nano, 2017, 11, 11091-11099.	7.3	154
110	Polyethylenimine-cross-linked cellulose nanocrystals for highly efficient recovery of rare earth elements from water and a mechanism study. Green Chemistry, 2017, 19, 4816-4828.	4.6	200
111	One-pot synthesis of trifunctional chitosan-EDTA-Î²-cyclodextrin polymer for simultaneous removal of metals and organic micropollutants. Scientific Reports, 2017, 7, 15811.	1.6	89
112	Removal of 2â€naphthoxyacetic acid from aqueous solution using quaternized chitosan beads. Canadian Journal of Chemical Engineering, 2017, 95, 21-32.	0.9	14
113	Negative chromatography of hepatitis B virus-like particle: Comparative study of different adsorbent designs. Journal of Chromatography A, 2016, 1445, 1-9.	1.8	19
114	Stimuli-Responsive Cellulose Nanocrystals for Surfactant-Free Oil Harvesting. Biomacromolecules, 2016, 17, 1748-1756.	2.6	93
115	Strategy for Synthesizing Porous Cellulose Nanocrystal Supported Metal Nanocatalysts. ACS Sustainable Chemistry and Engineering, 2016, 4, 5929-5935.	3.2	62
116	Diffusion-Controlled Simultaneous Sensing and Scavenging of Heavy Metal Ions in Water Using Atomically Precise Clusterâ€“Cellulose Nanocrystal Composites. ACS Sustainable Chemistry and Engineering, 2016, 4, 6167-6176.	3.2	67
117	Enhanced radical scavenging activity of polyhydroxylated C60 functionalized cellulose nanocrystals. Cellulose, 2016, 23, 3589-3599.	2.4	24
118	Use of CdS quantum dot-functionalized cellulose nanocrystal films for anti-counterfeiting applications. Nanoscale, 2016, 8, 13288-13296.	2.8	98
119	Structural and Energetic Studies on the Interaction of Cationic Surfactants and Cellulose Nanocrystals. Langmuir, 2016, 32, 689-698.	1.6	51
120	Cellulose nanocrystal-poly(oligo(ethylene glycol) methacrylate) brushes with tunable LCSTs. Carbohydrate Polymers, 2016, 144, 215-222.	5.1	67
121	Use of isothermal titration calorimetry to study surfactant aggregation in colloidal systems. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 999-1016.	1.1	88
122	Continuous flow adsorption of methylene blue by cellulose nanocrystal-alginate hydrogel beads in fixed bed columns. Carbohydrate Polymers, 2016, 136, 1194-1202.	5.1	158
123	A Nitrogen and Sulfur Dualâ€Doped Carbon Derived from Polyrhodanine@Cellulose for Advanced Lithiumâ€“Sulfur Batteries. Advanced Materials, 2015, 27, 6021-6028.	11.1	703
124	Synthesis of an acid-labile polymeric prodrug DOX-acetal-PEG-acetal-DOX with high drug loading content for pH-triggered intracellular drug release. Polymer Chemistry, 2015, 6, 4809-4818.	1.9	49
125	Aqueous synthesis and biostabilization of CdS@ZnS quantum dots for bioimaging applications. Materials Research Express, 2015, 2, 105401.	0.8	17
126	Non-invasive controlled release from gold nanoparticle integrated photo-responsive liposomes through pulse laser induced microbubble cavitation. Colloids and Surfaces B: Biointerfaces, 2015, 126, 569-574.	2.5	29

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127	Injectable supramolecular hydrogels fabricated from PEGylated doxorubicin prodrug and Î±-cyclodextrin for pH-triggered drug delivery. RSC Advances, 2015, 5, 54658-54666.	1.7	33
128	Application of the central composite design to study the flocculation of an anionic azo dye using quaternized cellulose nanofibrils. Carbohydrate Polymers, 2015, 133, 80-89.	5.1	60
129	Water treatment technologies for the remediation of naphthenic acids in oil sands process-affected water. Chemical Engineering Journal, 2015, 279, 696-714.	6.6	69
130	Polyrhodanine Coated Cellulose Nanocrystals: A Sustainable Antimicrobial Agent. ACS Sustainable Chemistry and Engineering, 2015, 3, 1801-1809.	3.2	63
131	Thermo-responsive adsorbent for size-selective protein adsorption. Journal of Chromatography A, 2015, 1394, 71-80.	1.8	14
132	Crystallisation-driven self-assembly of poly(2-isopropyl-2-oxazoline)-block-poly(2-methyl-2-oxazoline) above the LCST. Soft Matter, 2015, 11, 3354-3359.	1.2	46
133	Synthesis of amine functionalized cellulose nanocrystals: optimization and characterization. Carbohydrate Research, 2015, 409, 48-55.	1.1	58
134	Sustainable Catalysts from Gold-Loaded Polyamidoamine Dendrimer-Cellulose Nanocrystals. ACS Sustainable Chemistry and Engineering, 2015, 3, 978-985.	3.2	83
135	Synthesis and characterization of pH-responsive and fluorescent poly (amidoamine) dendrimer-grafted cellulose nanocrystals. Journal of Colloid and Interface Science, 2015, 450, 101-108.	5.0	41
136	A new pathway towards polymer modified cellulose nanocrystals via a â€œgrafting ontoâ€•process for drug delivery. Polymer Chemistry, 2015, 6, 4206-4209.	1.9	80
137	Stimuli-responsive Pickering emulsions: recent advances and potential applications. Soft Matter, 2015, 11, 3512-3529.	1.2	486
138	Mussel-Inspired Green Metallization of Silver Nanoparticles on Cellulose Nanocrystals and Their Enhanced Catalytic Reduction of 4-Nitrophenol in the Presence of Î²-Cyclodextrin. Industrial & Engineering Chemistry Research, 2015, 54, 3299-3308.	1.8	164
139	Negative chromatography purification of hepatitis B virus-like particles using poly(oligo(ethylene) Tj ETQq1 1 0.784314 rgBT /Overloc	1.8	22
140	Hydration of Hydrophobic Ironâ€“Carbonyl Homopolymers via Waterâ€“Carbonyl Interaction (WCI): Creation of Uniform Organometallic Aqueous Vesicles with Exceptionally High Encapsulation Capacity. Macromolecules, 2015, 48, 7968-7977.	2.2	21
141	Nitrogen-enriched porous carbon nanorods templated by cellulose nanocrystals as high performance supercapacitor electrodes. Journal of Materials Chemistry A, 2015, 3, 23768-23777.	5.2	87
142	Cellulose nanocrystalâ€“alginate hydrogel beads as novel adsorbents for organic dyes in aqueous solutions. Cellulose, 2015, 22, 3725-3738.	2.4	240
143	Poly(2-oxazoline)-Based Nanogels as Biocompatible Pseudopolypeptide Nanoparticles. Biomacromolecules, 2015, 16, 183-191.	2.6	24
144	Modified Cellulose Nanocrystal for Vitamin C Delivery. AAPS PharmSciTech, 2015, 16, 306-314.	1.5	30

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145	Tailored drug-release from multi-functional polymer-peptide hybrid vesicles. European Polymer Journal, 2015, 62, 363-373.	2.6	27
146	Enhanced colloidal stability and antibacterial performance of silver nanoparticles/cellulose nanocrystal hybrids. Journal of Materials Chemistry B, 2015, 3, 603-611.	2.9	142
147	Aldehyde-functional copolymers based on poly(2-oxazoline) for post-polymerization modification. European Polymer Journal, 2015, 62, 322-330.	2.6	34
148	UVâ€“vis spectra as an alternative to the Lowry method for quantify hair damage induced by surfactants. Colloids and Surfaces B: Biointerfaces, 2014, 123, 326-330.	2.5	0
149	Cellulose nanocrystals as promising adsorbents for the removal of cationic dyes. Cellulose, 2014, 21, 1655-1665.	2.4	272
150	Detection and characterization of hemoglobin dissociation and aggregation using microcalorimetry. Journal of Thermal Analysis and Calorimetry, 2014, 115, 2159-2169.	2.0	4
151	Synthesis of Î²-Cyclodextrin-Modified Cellulose Nanocrystals (CNCs)@Fe₃O₄@SiO₂ Superparamagnetic Nanorods. ACS Sustainable Chemistry and Engineering, 2014, 2, 951-958.	3.2	124
152	Interactions between a Series of Pyrene End-Labeled Poly(ethylene oxide)s and Sodium Dodecyl Sulfate in Aqueous Solution Probed by Fluorescence. Langmuir, 2014, 30, 13164-13175.	1.6	15
153	Polyrhodanine coated cellulose nanocrystals as optical pH indicators. RSC Advances, 2014, 4, 60249-60252.	1.7	26
154	Conductive cellulose nanocrystals with high cycling stability for supercapacitor applications. Journal of Materials Chemistry A, 2014, 2, 19268-19274.	5.2	88
155	Cost-effective and Scalable Chemical Synthesis of Conductive Cellulose Nanocrystals for High-performance Supercapacitors. Electrochimica Acta, 2014, 138, 139-147.	2.6	90
156	Dual Responsive Pickering Emulsion Stabilized by Poly[2-(dimethylamino)ethyl methacrylate] Grafted Cellulose Nanocrystals. Biomacromolecules, 2014, 15, 3052-3060.	2.6	275
157	Determination and prediction of physical properties of cellulose nanocrystals from dynamic light scattering measurements. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	16
158	Enzyme-Degradable Self-Assembled Nanostructures from Polymerâ€“Peptide Hybrids. Biomacromolecules, 2014, 15, 1882-1888.	2.6	63
159	Comparative release studies of two cationic model drugs from different cellulose nanocrystal derivatives. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 207-215.	2.0	58
160	Sustained Drug Release in Nanomedicine: A Long-Acting Nanocarrier-Based Formulation for Glaucoma. ACS Nano, 2014, 8, 419-429.	7.3	108
161	Dissociation and thermal characteristics of poly(acrylic acid) modified pluronic block copolymers in aqueous solution. Polymer, 2014, 55, 3886-3893.	1.8	11
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