

Michael K C Tam

List of Publications by Year in descending order

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401
papers

22,135
citations

7568

77
h-index

16183

124
g-index

404
all docs

404
docs citations

404
times ranked

21046
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemistry and applications of nanocrystalline cellulose and its derivatives: A nanotechnology perspective. <i>Canadian Journal of Chemical Engineering</i> , 2011, 89, 1191-1206.	1.7	717
2	A Nitrogen and Sulfur Dual-Doped Carbon Derived from Polyrhodanine@Cellulose for Advanced Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2015, 27, 6021-6028.	21.0	703
3	pH-Responsive polymers: synthesis, properties and applications. <i>Soft Matter</i> , 2008, 4, 435.	2.7	593
4	Stimuli-responsive Pickering emulsions: recent advances and potential applications. <i>Soft Matter</i> , 2015, 11, 3512-3529.	2.7	486
5	Recent advances in the application of cellulose nanocrystals. <i>Current Opinion in Colloid and Interface Science</i> , 2017, 29, 32-45.	7.4	456
6	Functionalization of cellulose nanocrystals for advanced applications. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 397-409.	9.4	351
7	Poly(N-isopropylacrylamide) Latices Prepared with Sodium Dodecyl Sulfate. <i>Journal of Colloid and Interface Science</i> , 1993, 156, 24-30.	9.4	314
8	A Structural Model of Hydrophobically Modified Urethane-Ethoxylate (HEUR) Associative Polymers in Shear Flows. <i>Macromolecules</i> , 1998, 31, 4149-4159.	4.8	280
9	Dual Responsive Pickering Emulsion Stabilized by Poly[2-(dimethylamino)ethyl methacrylate] Grafted Cellulose Nanocrystals. <i>Biomacromolecules</i> , 2014, 15, 3052-3060.	5.4	275
10	Cellulose nanocrystals as promising adsorbents for the removal of cationic dyes. <i>Cellulose</i> , 2014, 21, 1655-1665.	4.9	272
11	Cellulose nanocrystal-alginate hydrogel beads as novel adsorbents for organic dyes in aqueous solutions. <i>Cellulose</i> , 2015, 22, 3725-3738.	4.9	240
12	Gel Network Structure of Methylcellulose in Water. <i>Langmuir</i> , 2001, 17, 8062-8068.	3.5	226
13	Rheology and Dynamics of Associative Polymers in Shear and Extension: A Theory and Experiments. <i>Macromolecules</i> , 2006, 39, 1981-1999.	4.8	219
14	Thermally Induced Association and Dissociation of Methylcellulose in Aqueous Solutions. <i>Langmuir</i> , 2002, 18, 7291-7298.	3.5	209
15	Insights on polymer surfactant complex structures during the binding of surfactants to polymers as measured by equilibrium and structural techniques. <i>Chemical Society Reviews</i> , 2006, 35, 693.	38.1	209
16	Cellulose nanomaterials: promising sustainable nanomaterials for application in water/wastewater treatment processes. <i>Environmental Science: Nano</i> , 2018, 5, 623-658.	4.3	206
17	Polyethylenimine-cross-linked cellulose nanocrystals for highly efficient recovery of rare earth elements from water and a mechanism study. <i>Green Chemistry</i> , 2017, 19, 4816-4828.	9.0	200
18	New Insights on the Interaction Mechanism within Oppositely Charged Polymer/Surfactant Systems. <i>Langmuir</i> , 2002, 18, 6484-6490.	3.5	184

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19	Surface modification of cellulose nanocrystal with chitosan oligosaccharide for drug delivery applications. <i>Cellulose</i> , 2013, 20, 1747-1764.	4.9	181
20	Superposition of Oscillations on Steady Shear Flow as a Technique for Investigating the Structure of Associative Polymers. <i>Macromolecules</i> , 1997, 30, 1426-1433.	4.8	177
21	Hydroxyapatite nanostructure material derived using cationic surfactant as a template. <i>Journal of Materials Chemistry</i> , 2003, 13, 3053.	6.7	169
22	Compressible cellulose nanofibril (CNF) based aerogels produced via a bio-inspired strategy for heavy metal ion and dye removal. <i>Carbohydrate Polymers</i> , 2019, 208, 404-412.	10.2	168
23	Mussel-Inspired Green Metallization of Silver Nanoparticles on Cellulose Nanocrystals and Their Enhanced Catalytic Reduction of 4-Nitrophenol in the Presence of β -Cyclodextrin. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 3299-3308.	3.7	164
24	Cellulose-based materials in wastewater treatment of petroleum industry. <i>Green Energy and Environment</i> , 2020, 5, 37-49.	8.7	159
25	Continuous flow adsorption of methylene blue by cellulose nanocrystal-alginate hydrogel beads in fixed bed columns. <i>Carbohydrate Polymers</i> , 2016, 136, 1194-1202.	10.2	158
26	Organic Solvent-Free Fabrication of Durable and Multifunctional Superhydrophobic Paper from Waterborne Fluorinated Cellulose Nanofiber Building Blocks. <i>ACS Nano</i> , 2017, 11, 11091-11099.	14.6	154
27	3D bioprinting of liver-mimetic construct with alginate/cellulose nanocrystal hybrid bioink. <i>Bioprinting</i> , 2018, 9, 1-6.	5.8	154
28	Rheological Properties of Model Alkali-Soluble Associative (HASE) Polymers: Effect of Varying Hydrophobe Chain Length. <i>Macromolecules</i> , 1997, 30, 3271-3282.	4.8	153
29	Complexation and release of doxorubicin from its complexes with pluronic P85-b-poly(acrylic acid) block copolymers. <i>Journal of Controlled Release</i> , 2007, 121, 137-145.	9.9	148
30	Constructing stimuli-free self-healing, robust and ultrasensitive biocompatible hydrogel sensors with conductive cellulose nanocrystals. <i>Chemical Engineering Journal</i> , 2020, 398, 125547.	12.7	148
31	Enhanced colloidal stability and antibacterial performance of silver nanoparticles/cellulose nanocrystal hybrids. <i>Journal of Materials Chemistry B</i> , 2015, 3, 603-611.	5.8	142
32	Strengthening acrylonitrile-butadiene-styrene (ABS) with nano-sized and micron-sized calcium carbonate. <i>Polymer</i> , 2005, 46, 243-252.	3.8	138
33	Isothermal Titration Calorimetry Studies of Binding Interactions between Polyethylene Glycol and Ionic Surfactants. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10759-10763.	2.6	134
34	Salt-Assisted and Salt-Suppressed Sol-Gel Transitions of Methylcellulose in Water. <i>Langmuir</i> , 2004, 20, 646-652.	3.5	133
35	Cellulose nanocrystal (CNC)-inorganic hybrid systems: synthesis, properties and applications. <i>Journal of Materials Chemistry B</i> , 2018, 6, 864-883.	5.8	127
36	Synthesis of β -Cyclodextrin-Modified Cellulose Nanocrystals (CNCs) ₃ O ₄ @SiO ₂ Superparamagnetic Nanorods. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 951-958.	6.7	124

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37	CO ₂ -Responsive Cellulose Nanofibers Aerogels for Switchable Oil/Water Separation. ACS Applied Materials & Interfaces, 2019, 11, 9367-9373.	8.0	123
38	Supramolecular Self-Assembly of 3D Conductive Cellulose Nanofiber Aerogels for Flexible Supercapacitors and Ultrasensitive Sensors. ACS Applied Materials & Interfaces, 2019, 11, 24435-24446.	8.0	120
39	Selective adsorption and separation of organic dyes using functionalized cellulose nanocrystals. Chemical Engineering Journal, 2021, 417, 129237.	12.7	116
40	Vesicles from Pluronic/poly(lactic acid) block copolymers as new carriers for oral insulin delivery. Journal of Controlled Release, 2007, 120, 11-17.	9.9	115
41	Release kinetics of hydrophobic and hydrophilic model drugs from pluronic F127/poly(lactic acid) nanoparticles. Journal of Controlled Release, 2005, 103, 73-82.	9.9	114
42	Review on the dynamics and micro-structure of pH-responsive nano-colloidal systems. Advances in Colloid and Interface Science, 2008, 136, 25-44.	14.7	114
43	Photochemical and Thermal Isomerizations of Azobenzene-Containing Amphiphilic Diblock Copolymers in Aqueous Micellar Aggregates and in Film. Macromolecules, 2005, 38, 3943-3948.	4.8	110
44	Novel highly biodegradable biphasic tricalcium phosphates composed of β -tricalcium phosphate and β -tricalcium phosphate. Acta Biomaterialia, 2007, 3, 251-254.	8.3	109
45	Sustained Drug Release in Nanomedicine: A Long-Acting Nanocarrier-Based Formulation for Glaucoma. ACS Nano, 2014, 8, 419-429.	14.6	108
46	Amphiphilic Cellulose Nanocrystals for Enhanced Pickering Emulsion Stabilization. Langmuir, 2018, 34, 12897-12905.	3.5	107
47	Shape recoverable and mechanically robust cellulose aerogel beads for efficient removal of copper ions. Chemical Engineering Journal, 2020, 392, 124821.	12.7	107
48	Synthesis and Aggregation Behavior of Pluronic F127/Poly(lactic acid) Block Copolymers in Aqueous Solutions. Macromolecules, 2003, 36, 9979-9985.	4.8	105
49	Interaction between Polyelectrolyte and Oppositely Charged Surfactant: Effect of Charge Density. Journal of Physical Chemistry B, 2004, 108, 8976-8982.	2.6	104
50	Interaction of Surfactants with Poly(N-isopropylacrylamide) Microgel Latexes. Langmuir, 1994, 10, 418-422.	3.5	102
51	Isothermal Titration Calorimetric Studies on the Temperature Dependence of Binding Interactions between Poly(propylene glycol)s and Sodium Dodecyl Sulfate. Langmuir, 2004, 20, 2177-2183.	3.5	101
52	Novel pH-Responsive Amphiphilic Diblock Copolymers with Reversible Micellization Properties. Langmuir, 2003, 19, 5175-5177.	3.5	100
53	Use of CdS quantum dot-functionalized cellulose nanocrystal films for anti-counterfeiting applications. Nanoscale, 2016, 8, 13288-13296.	5.6	98
54	Aggregation Behavior of C60-End-Capped Poly(ethylene oxide)s. Langmuir, 2003, 19, 4798-4803.	3.5	97

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55	Green acid-free hydrolysis of wasted pomelo peel to produce carboxylated cellulose nanofibers with super absorption/flocculation ability for environmental remediation materials. <i>Chemical Engineering Journal</i> , 2020, 395, 125070.	12.7	97
56	Simple Process To Produce High-Yield Cellulose Nanocrystals Using Recyclable Citric/Hydrochloric Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4912-4923.	6.7	96
57	Cyclodextrin-assisted assembly of stimuli-responsive polymers in aqueous media. <i>Soft Matter</i> , 2010, 6, 4613.	2.7	95
58	New water soluble azobenzene-containing diblock copolymers: synthesis and aggregation behavior. <i>Polymer</i> , 2005, 46, 137-146.	3.8	94
59	Stimuli-Responsive Cellulose Nanocrystals for Surfactant-Free Oil Harvesting. <i>Biomacromolecules</i> , 2016, 17, 1748-1756.	5.4	93
60	Fluorescence Studies of an Alkaline Swellable Associative Polymer in Aqueous Solution. <i>Langmuir</i> , 1997, 13, 182-186.	3.5	90
61	Cost-effective and Scalable Chemical Synthesis of Conductive Cellulose Nanocrystals for High-performance Supercapacitors. <i>Electrochimica Acta</i> , 2014, 138, 139-147.	5.2	90
62	One-pot synthesis of trifunctional chitosan-EDTA- β -cyclodextrin polymer for simultaneous removal of metals and organic micropollutants. <i>Scientific Reports</i> , 2017, 7, 15811.	3.3	89
63	Conductive cellulose nanocrystals with high cycling stability for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19268-19274.	10.3	88
64	Use of isothermal titration calorimetry to study surfactant aggregation in colloidal systems. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 999-1016.	2.4	88
65	Enantiomeric glycosylated cationic block co-beta-peptides eradicate <i>Staphylococcus aureus</i> biofilms and antibiotic-tolerant persisters. <i>Nature Communications</i> , 2019, 10, 4792.	12.8	88
66	Association Behavior of Poly(methacrylic acid)-block-poly(methyl methacrylate) in Aqueous Medium: Potentiometric and Laser Light Scattering Studies. <i>Macromolecules</i> , 2003, 36, 173-179.	4.8	87
67	Nitrogen-enriched porous carbon nanorods templated by cellulose nanocrystals as high performance supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23768-23777.	10.3	87
68	Polyethylenimine-modified chitosan materials for the recovery of La(III) from leachates of bauxite residue. <i>Chemical Engineering Journal</i> , 2020, 388, 124307.	12.7	86
69	Isothermal Titration Calorimetric Studies on Interactions of Ionic Surfactant and Poly(oxypropylene)- <i>b</i> -Poly(oxyethylene)- <i>b</i> -Poly(oxypropylene) Triblock Copolymers in Aqueous Solutions. <i>Macromolecules</i> , 2001, 34, 7049-7055.	4.8	85
70	Natural Biodegradable Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Nanocomposites with Multifunctional Cellulose Nanocrystals/Graphene Oxide Hybrids for High-Performance Food Packaging. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 10954-10967.	5.2	85
71	Microencapsulation of Phase Change Materials with Polystyrene/Cellulose Nanocrystal Hybrid Shell via Pickering Emulsion Polymerization. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17756-17767.	6.7	84
72	Sustainable Catalysts from Gold-Loaded Polyamidoamine Dendrimer-Cellulose Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 978-985.	6.7	83

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73	Construction of functional cellulose aerogels via atmospheric drying chemically cross-linked and solvent exchanged cellulose nanofibrils. <i>Chemical Engineering Journal</i> , 2019, 366, 531-538.	12.7	82
74	Steady and Dynamic Shear Properties of Aqueous Polymer Solutions. <i>Journal of Rheology</i> , 1989, 33, 257-280.	2.6	81
75	Synthesis and characterization of nanoporous hydroxyapatite using cationic surfactants as templates. <i>Materials Research Bulletin</i> , 2008, 43, 2318-2326.	5.2	80
76	A new pathway towards polymer modified cellulose nanocrystals via a "grafting onto" process for drug delivery. <i>Polymer Chemistry</i> , 2015, 6, 4206-4209.	3.9	80
77	Effects of salt on the intrinsic viscosity of model alkali-soluble associative polymers. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 1175-1184.	2.2	79
78	Lifetime and network relaxation time of a HEUR-C20 associative polymer system. <i>Journal of Rheology</i> , 2000, 44, 137-147.	2.6	78
79	Pickering emulsions stabilized by hydrophobically modified nanocellulose containing various structural characteristics. <i>Cellulose</i> , 2019, 26, 7753-7767.	4.9	78
80	Applications of nanotechnology in oil and gas industry: Progress and perspective. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 91-100.	1.7	77
81	Gold nanoparticles stabilized by poly(4-vinylpyridine) grafted cellulose nanocrystals as efficient and recyclable catalysts. <i>Carbohydrate Polymers</i> , 2018, 182, 61-68.	10.2	76
82	Synthesis and Characterization of Novel pH-Responsive Polyampholyte Microgels. <i>Macromolecular Rapid Communications</i> , 2006, 27, 522-528.	3.9	72
83	Cellulose nanocrystals in smart and stimuli-responsive materials: a review. <i>Materials Today Advances</i> , 2020, 5, 100055.	5.2	72
84	Microgel Iron Oxide Nanoparticles for Tracking Human Fetal Mesenchymal Stem Cells Through Magnetic Resonance Imaging. <i>Stem Cells</i> , 2009, 27, 1921-1931.	3.2	71
85	Rheological properties of hydrophobically modified alkali-soluble polymers?effects of ethylene-oxide chain length. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998, 36, 2275-2290.	2.1	69
86	Rheological properties of methacrylic acid/ethyl acrylate co-polymer: comparison between an unmodified and hydrophobically modified system. <i>Polymer</i> , 2001, 42, 249-259.	3.8	69
87	Water treatment technologies for the remediation of naphthenic acids in oil sands process-affected water. <i>Chemical Engineering Journal</i> , 2015, 279, 696-714.	12.7	69
88	Multibranch Strategy To Decorate Carboxyl Groups on Cellulose Nanocrystals To Prepare Adsorbent/Flocculants and Pickering Emulsions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6969-6980.	6.7	69
89	Aggregation behavior of two-arm fullerene-containing poly(ethylene oxide). <i>Polymer</i> , 2003, 44, 2529-2536.	3.8	68
90	Biodegradable and biocompatible polyampholyte microgels derived from chitosan, carboxymethyl cellulose and modified methyl cellulose. <i>Carbohydrate Polymers</i> , 2012, 87, 101-109.	10.2	68

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91	Polydopamine microcapsules from cellulose nanocrystal stabilized Pickering emulsions for essential oil and pesticide encapsulation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 570, 403-413.	4.7	68
92	Diffusion-Controlled Simultaneous Sensing and Scavenging of Heavy Metal Ions in Water Using Atomically Precise Clustered Cellulose Nanocrystal Composites. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6167-6176.	6.7	67
93	Cellulose nanocrystal-poly(oligo(ethylene glycol) methacrylate) brushes with tunable LCSTs. <i>Carbohydrate Polymers</i> , 2016, 144, 215-222.	10.2	67
94	Nanoparticles of Short Cationic Peptidopolysaccharide Self-Assembled by Hydrogen Bonding with Antibacterial Effect against Multidrug-Resistant Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38288-38303.	8.0	67
95	Synthesis and thermal responsive properties of P(LA-b-EO-b-PO-b-EO-b-LA) block copolymers with short hydrophobic poly(lactic acid) (PLA) segments. <i>Polymer</i> , 2005, 46, 1841-1850.	3.8	66
96	Nanotemplating of Calcium Phosphate Using a Double-Hydrophilic Block Copolymer. <i>Chemistry of Materials</i> , 2005, 17, 4865-4872.	6.7	66
97	Polymeric Nanostructures for Drug Delivery Applications Based on Pluronic Copolymer Systems. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2638-2650.	0.9	66
98	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. <i>Carbohydrate Polymers</i> , 2019, 205, 322-329.	10.2	66
99	Effect of surface modification of cellulose nanocrystal on nonisothermal crystallization of poly(β -hydroxybutyrate) composites. <i>Carbohydrate Polymers</i> , 2017, 157, 1821-1829.	10.2	65
100	Facile and Green Synthesis of Carboxylated Cellulose Nanocrystals as Efficient Adsorbents in Wastewater Treatments. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18067-18075.	6.7	65
101	Interactions between Methacrylic Acid/Ethyl Acrylate Copolymers and Dodecyltrimethylammonium Bromide. <i>Journal of Physical Chemistry B</i> , 2003, 107, 4667-4675.	2.6	64
102	Photoregulated Sol-Gel Transition of Novel Azobenzene-Functionalized Hydroxypropyl Methylcellulose and Its β -Cyclodextrin Complexes. <i>Macromolecular Rapid Communications</i> , 2004, 25, 678-682.	3.9	64
103	Enzyme-Degradable Self-Assembled Nanostructures from Polymer-Peptide Hybrids. <i>Biomacromolecules</i> , 2014, 15, 1882-1888.	5.4	63
104	Polyrhodanine Coated Cellulose Nanocrystals: A Sustainable Antimicrobial Agent. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1801-1809.	6.7	63
105	Controlled polymerizations of 2-(dialkylamino)ethyl methacrylates and their block copolymers in protic solvents at ambient temperature via ATRP. <i>Journal of Polymer Science Part A</i> , 2004, 42, 5161-5169.	2.3	62
106	Strategy for Synthesizing Porous Cellulose Nanocrystal Supported Metal Nanocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5929-5935.	6.7	62
107	Phosphorylated-CNC/modified-chitosan nanocomplexes for the stabilization of Pickering emulsions. <i>Carbohydrate Polymers</i> , 2019, 206, 520-527.	10.2	61
108	Synthesis and Aggregation Behavior of Pluronic F87/Poly(acrylic acid) Block Copolymer in the Presence of Doxorubicin. <i>Langmuir</i> , 2007, 23, 2638-2646.	3.5	60

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109	Application of the central composite design to study the flocculation of an anionic azo dye using quaternized cellulose nanofibrils. <i>Carbohydrate Polymers</i> , 2015, 133, 80-89.	10.2	60
110	Self-healing stimuli-responsive cellulose nanocrystal hydrogels. <i>Carbohydrate Polymers</i> , 2020, 229, 115486.	10.2	60
111	Efficient mixing of viscoelastic fluids in a microchannel at low Reynolds number. <i>Microfluidics and Nanofluidics</i> , 2006, 3, 101-108.	2.2	59
112	Biocompatible and acid-cleavable poly(μ -caprolactone)-acetal-poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (glycol)-aceta doxorubicin delivery. <i>Journal of Materials Chemistry B</i> , 2013, 1, 6596.	5.8	59
113	Inverse Pickering Emulsions Stabilized by Cinnamate Modified Cellulose Nanocrystals as Templates To Prepare Silica Colloidosomes. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2583-2590.	6.7	59
114	Evaluation of intrinsic viscosity measurements of hydrophobically modified polyelectrolyte solutions. <i>European Polymer Journal</i> , 1999, 35, 1245-1252.	5.4	58
115	Synthesis of amorphous calcium phosphate using various types of cyclodextrins. <i>Materials Research Bulletin</i> , 2007, 42, 820-827.	5.2	58
116	Evaluation of dialysis membrane process for quantifying the in vitro drug-release from colloidal drug carriers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 389, 299-303.	4.7	58
117	Comparative release studies of two cationic model drugs from different cellulose nanocrystal derivatives. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 207-215.	4.3	58
118	Synthesis of amine functionalized cellulose nanocrystals: optimization and characterization. <i>Carbohydrate Research</i> , 2015, 409, 48-55.	2.3	58
119	Self-Assembly Behavior of a Stimuli-Responsive Water-Soluble [60]Fullerene-Containing Polymer. <i>Langmuir</i> , 2004, 20, 8569-8575.	3.5	57
120	Synthesis and Self-Assembly Behavior of Four-Arm Poly(ethylene oxide)-b-poly(2-(diethylamino)ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (oxide) b	3.5	57
121	Viscoelastic properties of hydrophobically modified alkali-soluble emulsion in salt solutions. <i>Polymer</i> , 1999, 40, 6369-6379.	3.8	56
122	Microstructure of Dilute Hydrophobically Modified Alkali Soluble Emulsion in Aqueous Salt Solution. <i>Macromolecules</i> , 2000, 33, 404-411.	4.8	56
123	Association Behavior of Biotinylated and Non-Biotinylated Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182 Td (oxide) b	5.4	56
124	Microstructure and rheological properties of thermo-responsive poly(N-isopropylacrylamide) microgels. <i>Polymer</i> , 2010, 51, 3238-3243.	3.8	56
125	UV-Absorbing Cellulose Nanocrystals as Functional Reinforcing Fillers in Poly(vinyl chloride) Films. <i>ACS Applied Nano Materials</i> , 2018, 1, 632-641.	5.0	56
126	Self-Assembly of Alkali-Soluble [60]Fullerene Containing Poly(methacrylic acid) in Aqueous Solution. <i>Macromolecules</i> , 2005, 38, 933-939.	4.8	55

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127	Polymeric hollow microcapsules (PHM) via cellulose nanocrystal stabilized Pickering emulsion polymerization. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 489-497.	9.4	55
128	Efficient visible-light induced H ₂ evolution from T-Cd _x Zn _{1-x} S/defective MoS ₂ nano-hybrid with both bulk twinning homojunctions and interfacial heterostructures. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118702.	20.2	55
129	Poly(N-isopropylacrylamide). II. Effect of polymer concentration, temperature, and surfactant on the viscosity of aqueous solutions. <i>Journal of Polymer Science Part A</i> , 1993, 31, 963-969.	2.3	54
130	Calorimetric Studies of Model Hydrophobically Modified Alkali-Soluble Emulsion Polymers with Varying Spacer Chain Length in Ionic Surfactant Solutions. <i>Macromolecules</i> , 2000, 33, 1727-1733.	4.8	54
131	Control of burst release from nanogels via layer by layer assembly. <i>Journal of Controlled Release</i> , 2008, 128, 248-254.	9.9	54
132	Interactions of nanocrystalline cellulose with an oppositely charged surfactant in aqueous medium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 415, 310-319.	4.7	54
133	Self-Assembly Behavior of Thermoresponsive Oligo(ethylene glycol) Methacrylates Random Copolymer. <i>ACS Macro Letters</i> , 2012, 1, 632-635.	4.8	54
134	Thermo and light-responsive phase change nanofibers with high energy storage efficiency for energy storage and thermally regulated on/off drug release devices. <i>Chemical Engineering Journal</i> , 2019, 375, 121979.	12.7	54
135	Supramolecular Complexes of Azocellulose and β -Cyclodextrin: Isothermal Titration Calorimetric and Spectroscopic Studies. <i>Macromolecules</i> , 2005, 38, 2859-2864.	4.8	53
136	Poly(N-isopropylacrylamide). I. Interactions with sodium dodecyl sulfate measured by conductivity. <i>Journal of Polymer Science Part A</i> , 1993, 31, 957-962.	2.3	51
137	Preparation, characterization and novel photoregulated rheological properties of azobenzene functionalized cellulose derivatives and their β -CD complexes. <i>Polymer</i> , 2004, 45, 6219-6225.	3.8	51
138	Self-Assembly of Stimuli-Responsive Water-Soluble [60]Fullerene End-Capped Ampholytic Block Copolymer. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4431-4438.	2.6	51
139	Structural and Energetic Studies on the Interaction of Cationic Surfactants and Cellulose Nanocrystals. <i>Langmuir</i> , 2016, 32, 689-698.	3.5	51
140	Light Scattering of Dilute Hydrophobically Modified Alkali-Soluble Emulsion Solutions: Effects of Hydrophobicity and Spacer Length of Macromonomer. <i>Macromolecules</i> , 2000, 33, 7021-7028.	4.8	50
141	Interactions between Poly(acrylic acid) and Sodium Dodecyl Sulfate: Isothermal Titration Calorimetric and Surfactant Ion-Selective Electrode Studies. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5156-5161.	2.6	50
142	Double stabilization mechanism of O/W Pickering emulsions using cationic nanofibrillated cellulose. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 207-216.	9.4	50
143	Effect of fillers on the structure and mechanical properties of LCP/PP/SiO ₂ in-situ hybrid nanocomposites. <i>Composites Science and Technology</i> , 2003, 63, 339-346.	7.8	49
144	Clustering of magnetic nanoparticles using a double hydrophilic block copolymer, poly(ethylene) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6	2.3	49

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147	Aggregation Behavior and Thermodynamics of Binding between Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50.662 Td	3.5	48
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