Michael K C Tam

List of Publications by Citations

384 papers	17,788 citations	68 h-index	111 g-index
404 ext. papers	19,804 ext. citations	5.9 avg, IF	7.17 L-index

#	Paper	IF	Citations
384	A nitrogen and sulfur dual-doped carbon derived from polyrhodanine@cellulose for advanced lithium-sulfur batteries. *Advanced Materials*, **2015**, 27, 6021-8	24	595
383	Chemistry and applications of nanocrystalline cellulose and its derivatives: A nanotechnology perspective. *Canadian Journal of Chemical Engineering*, **2011**, 89, 1191-1206	2.3	593
382	pH-Responsive polymers: synthesis, properties and applications. *Soft Matter*, **2008**, 4, 435-449	3.6	499
381	Stimuli-responsive Pickering emulsions: recent advances and potential applications. *Soft Matter*, **2015**, 11, 3512-29	3.6	382
380	Recent advances in the application of cellulose nanocrystals. *Current Opinion in Colloid and Interface Science*, **2017**, 29, 32-45	7.6	320
379	Poly(N-isopropylacrylamide) Latices Prepared with Sodium Dodecyl Sulfate. *Journal of Colloid and Interface Science*, **1993**, 156, 24-30	9.3	292
378	Functionalization of cellulose nanocrystals for advanced applications. *Journal of Colloid and Interface Science*, **2017**, 494, 397-409	9.3	265
377	A Structural Model of Hydrophobically Modified Urethane□Ethoxylate (HEUR) Associative Polymers in Shear Flows. *Macromolecules*, **1998**, 31, 4149-4159	5.5	262
376	Dual responsive pickering emulsion stabilized by poly[2-(dimethylamino)ethyl methacrylate] grafted cellulose nanocrystals. *Biomacromolecules*, **2014**, 15, 3052-60	6.9	240
375	Cellulose nanocrystals as promising adsorbents for the removal of cationic dyes. *Cellulose*, **2014**, 21, 1655-1665	5.5	208
374	Rheology and Dynamics of Associative Polymers in Shear and Extension:□Theory and Experiments. *Macromolecules*, **2006**, 39, 1981-1999	5.5	197
373	Gel Network Structure of Methylcellulose in Water. *Langmuir*, **2001**, 17, 8062-8068	4	197
372	Thermally Induced Association and Dissociation of Methylcellulose in Aqueous Solutions. *Langmuir*, **2002**, 18, 7291-7298	4	189
371	Cellulose nanocrystal□lginate hydrogel beads as novel adsorbents for organic dyes in aqueous solutions. *Cellulose*, **2015**, 22, 3725-3738	5.5	177
370	Insights on polymer surfactant complex structures during the binding of surfactants to polymers as measured by equilibrium and structural techniques. *Chemical Society Reviews*, **2006**, 35, 693-709	58.5	173
369	New Insights on the Interaction Mechanism within Oppositely Charged Polymer/Surfactant Systems. *Langmuir*, **2002**, 18, 6484-6490	4	173
368	Cellulose nanomaterials: promising sustainable nanomaterials for application in water/wastewater treatment processes. *Environmental Science: Nano*, **2018**, 5, 623-658	7.1	163

367	Superposition of Oscillations on Steady Shear Flow as a Technique for Investigating the Structure of Associative Polymers. *Macromolecules*, **1997**, 30, 1426-1433	5.5	162
366	Hydroxyapatite nanostructure material derived using cationic surfactant as a template. *Journal of Materials Chemistry*, **2003**, 13, 3053		159
365	Surface modification of cellulose nanocrystal with chitosan oligosaccharide for drug delivery applications. *Cellulose*, **2013**, 20, 1747-1764	5.5	146
364	Rheological Properties of Model Alkali-Soluble Associative (HASE) Polymers: Effect of Varying Hydrophobe Chain Length. *Macromolecules*, **1997**, 30, 3271-3282	5.5	146
363	Mussel-Inspired Green Metallization of Silver Nanoparticles on Cellulose Nanocrystals and Their Enhanced Catalytic Reduction of 4-Nitrophenol in the Presence of Cyclodextrin. *Industrial & Engineering Chemistry Research*, **2015**, 54, 3299-3308	3.9	143
362	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	10	135
361	Complexation and release of doxorubicin from its complexes with pluronic P85-b-poly(acrylic acid) block copolymers. *Journal of Controlled Release*, **2007**, 121, 137-45	11.7	135
360	Enhanced colloidal stability and antibacterial performance of silver nanoparticles/cellulose nanocrystal hybrids. *Journal of Materials Chemistry B*, **2015**, 3, 603-611	7.3	127
359	Strengthening acrylonitrile-butadiene-styrene (ABS) with nano-sized and micron-sized calcium carbonate. *Polymer*, **2005**, 46, 243-252	3.9	123
358	Isothermal Titration Calorimetry Studies of Binding Interactions between Polyethylene Glycol and Ionic Surfactants. *Journal of Physical Chemistry B*, **2001**, 105, 10759-10763	3.4	122
357	Organic Solvent-Free Fabrication of Durable and Multifunctional Superhydrophobic Paper from Waterborne Fluorinated Cellulose Nanofiber Building Blocks. *ACS Nano*, **2017**, 11, 11091-11099	16.7	120
356	Continuous flow adsorption of methylene blue by cellulose nanocrystal-alginate hydrogel beads in fixed bed columns. *Carbohydrate Polymers*, **2016**, 136, 1194-202	10.3	119
355	Review on the dynamics and micro-structure of pH-responsive nano-colloidal systems. *Advances in Colloid and Interface Science*, **2008**, 136, 25-44	14.3	111
354	Salt-assisted and salt-suppressed sol-gel transitions of methylcellulose in water. *Langmuir*, **2004**, 20, 646-52	4	109
353	Synthesis of Cyclodextrin-Modified Cellulose Nanocrystals (CNCs)@Fe3O4@SiO2 Superparamagnetic Nanorods. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 951-958	8.3	108
352	Photochemical and Thermal Isomerizations of Azobenzene-Containing Amphiphilic Diblock Copolymers in Aqueous Micellar Aggregates and in Film. *Macromolecules*, **2005**, 38, 3943-3948	5.5	106
351	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	10.3	104
350	3D bioprinting of liver-mimetic construct with alginate/cellulose nanocrystal hybrid bioink. *Bioprinting*, **2018**, 9, 1-6	7	104

349	Synthesis and Aggregation Behavior of Pluronic F127/Poly(lactic acid) Block Copolymers in Aqueous Solutions. *Macromolecules*, **2003**, 36, 9979-9985	5.5	100
348	Interaction between Polyelectrolyte and Oppositely Charged Surfactant: Effect of Charge Density. *Journal of Physical Chemistry B*, **2004**, 108, 8976-8982	3.4	96
347	Vesicles from Pluronic/poly(lactic acid) block copolymers as new carriers for oral insulin delivery. *Journal of Controlled Release*, **2007**, 120, 11-7	11.7	95
346	Novel pH-Responsive Amphiphilic Diblock Copolymers with Reversible Micellization Properties. *Langmuir*, **2003**, 19, 5175-5177	4	95
345	Cellulose nanocrystal (CNC)-inorganic hybrid systems: synthesis, properties and applications. *Journal of Materials Chemistry B*, **2018**, 6, 864-883	7.3	94
344	Release kinetics of hydrophobic and hydrophilic model drugs from pluronic F127/poly(lactic acid) nanoparticles. *Journal of Controlled Release*, **2005**, 103, 73-82	11.7	94
343	Interaction of Surfactants with Poly(N-isopropylacrylamide) Microgel Latexes. *Langmuir*, **1994**, 10, 418-422	4	93
342	Aggregation Behavior of C60-End-Capped Poly(ethylene oxide)s. *Langmuir*, **2003**, 19, 4798-4803	4	91
341	Cyclodextrin-assisted assembly of stimuli-responsive polymers in aqueous media. *Soft Matter*, **2010**, 6, 4613	3.6	88
340	Novel highly biodegradable biphasic tricalcium phosphates composed of alpha-tricalcium phosphate and beta-tricalcium phosphate. *Acta Biomaterialia*, **2007**, 3, 251-4	10.8	88
339	Isothermal titration calorimetric studies on the temperature dependence of binding interactions between poly(propylene glycol)s and sodium dodecyl sulfate. *Langmuir*, **2004**, 20, 2177-83	4	87
338	New water soluble azobenzene-containing diblock copolymers: synthesis and aggregation behavior. *Polymer*, **2005**, 46, 137-146	3.9	86
337	Supramolecular Self-Assembly of 3D Conductive Cellulose Nanofiber Aerogels for Flexible Supercapacitors and Ultrasensitive Sensors. *ACS Applied Materials & Interfaces*, **2019**, 11, 24435-24446	9.5	83
336	Fluorescence Studies of an Alkaline Swellable Associative Polymer in Aqueous Solution. *Langmuir*, **1997**, 13, 182-186	4	83
335	Stimuli-Responsive Cellulose Nanocrystals for Surfactant-Free Oil Harvesting. *Biomacromolecules*, **2016**, 17, 1748-56	6.9	82
334	Sustained drug release in nanomedicine: a long-acting nanocarrier-based formulation for glaucoma. *ACS Nano*, **2014**, 8, 419-29	16.7	81
333	Isothermal Titration Calorimetric Studies on Interactions of Ionic Surfactant and Poly(oxypropylene)–Poly(oxyethylene)–Poly(oxypropylene) Triblock Copolymers in Aqueous Solutions. *Macromolecules*, **2001**, 34, 7049-7055	5.5	81
332	Use of CdS quantum dot-functionalized cellulose nanocrystal films for anti-counterfeiting applications. *Nanoscale*, **2016**, 8, 13288-96	7.7	80

331	Cost-effective and Scalable Chemical Synthesis of Conductive Cellulose Nanocrystals for High-performance Supercapacitors. *Electrochimica Acta*, **2014**, 138, 139-147	6.7	80
330	Constructing stimuli-free self-healing, robust and ultrasensitive biocompatible hydrogel sensors with conductive cellulose nanocrystals. *Chemical Engineering Journal*, **2020**, 398, 125547	14.7	80
329	CO-Responsive Cellulose Nanofibers Aerogels for Switchable Oil-Water Separation. *ACS Applied Materials & Interfaces*, **2019**, 11, 9367-9373	9.5	78
328	Amphiphilic Cellulose Nanocrystals for Enhanced Pickering Emulsion Stabilization. *Langmuir*, **2018**, 34, 12897-12905	4	77
327	Lifetime and network relaxation time of a HEUR-C20 associative polymer system. *Journal of Rheology*, **2000**, 44, 137-147	4.1	76
326	Sustainable Catalysts from Gold-Loaded Polyamidoamine Dendrimer-Cellulose Nanocrystals. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 978-985	8.3	75
325	Association Behavior of Poly(methacrylic acid)-block-poly(methyl methacrylate) in Aqueous Medium:Potentiometric and Laser Light Scattering Studies. *Macromolecules*, **2003**, 36, 173-179	5.5	75
324	Cellulose-based materials in wastewater treatment of petroleum industry. *Green Energy and Environment*, **2020**, 5, 37-49	5.7	74
323	Conductive cellulose nanocrystals with high cycling stability for supercapacitor applications. *Journal of Materials Chemistry A*, **2014**, 2, 19268-19274	13	73
322	Use of isothermal titration calorimetry to study surfactant aggregation in colloidal systems. *Biochimica Et Biophysica Acta - General Subjects*, **2016**, 1860, 999-1016	4	72
321	Steady and Dynamic Shear Properties of Aqueous Polymer Solutions. *Journal of Rheology*, **1989**, 33, 257-280	4.1	72
320	Nitrogen-enriched porous carbon nanorods templated by cellulose nanocrystals as high performance supercapacitor electrodes. *Journal of Materials Chemistry A*, **2015**, 3, 23768-23777	13	71
319	Effects of salt on the intrinsic viscosity of model alkali-soluble associative polymers. *Macromolecular Chemistry and Physics*, **1998**, 199, 1175-1184	2.6	71
318	Synthesis and characterization of nanoporous hydroxyapatite using cationic surfactants as templates. *Materials Research Bulletin*, **2008**, 43, 2318-2326	5.1	71
317	A new pathway towards polymer modified cellulose nanocrystals via a grafting onto process for drug delivery. *Polymer Chemistry*, **2015**, 6, 4206-4209	4.9	69
316	Rheological properties of methacrylic acid/ethyl acrylate co-polymer: comparison between an unmodified and hydrophobically modified system. *Polymer*, **2001**, 42, 249-259	3.9	67
315	Microgel iron oxide nanoparticles for tracking human fetal mesenchymal stem cells through magnetic resonance imaging. *Stem Cells*, **2009**, 27, 1921-31	5.8	64
314	Interactions between Methacrylic Acid/Ethyl Acrylate Copolymers and Dodecyltrimethylammonium Bromide. *Journal of Physical Chemistry B*, **2003**, 107, 4667-4675	3.4	64

313	Synthesis and Characterization of Novel pH-Responsive Polyampholyte Microgels. *Macromolecular Rapid Communications*, **2006**, 27, 522-528	4.8	63
312	Nanotemplating of Calcium Phosphate Using a Double-Hydrophilic Block Copolymer. *Chemistry of Materials*, **2005**, 17, 4865-4872	9.6	62
311	Aggregation behavior of two-arm fullerene-containing poly(ethylene oxide). *Polymer*, **2003**, 44, 2529-2536	3.9	62
310	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. *Polymer*, **2005**, 46, 1841-1850	3.9	62
309	Rheological properties of hydrophobically modified alkali-soluble polymers: effects of ethylene oxide chain length. *Journal of Polymer Science, Part B: Polymer Physics*, **1998**, 36, 2275-2290	2.6	60
308	Photoregulated Sol-Gel Transition of Novel Azobenzene-Functionalized Hydroxypropyl Methylcellulose and Its Cyclodextrin Complexes. *Macromolecular Rapid Communications*, **2004**, 25, 678-682	4.8	60
307	Biodegradable and biocompatible polyampholyte microgels derived from chitosan, carboxymethyl cellulose and modified methyl cellulose. *Carbohydrate Polymers*, **2012**, 87, 101-109	10.3	59
306	Controlled polymerizations of 2-(dialkylamino)ethyl methacrylates and their block copolymers in protic solvents at ambient temperature via ATRP. *Journal of Polymer Science Part A*, **2004**, 42, 5161-5169	2.5	59
305	Gold nanoparticles stabilized by poly(4-vinylpyridine) grafted cellulose nanocrystals as efficient and recyclable catalysts. *Carbohydrate Polymers*, **2018**, 182, 61-68	10.3	58
304	Synthesis and aggregation behavior of pluronic F87/poly(acrylic acid) block copolymer in the presence of doxorubicin. *Langmuir*, **2007**, 23, 2638-46	4	58
303	Polymeric nanostructures for drug delivery applications based on Pluronic copolymer systems. *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 2638-50	1.3	58
302	Biocompatible and acid-cleavable poly(caprolactone)-acetal-poly(ethylene glycol)-acetal-poly(caprolactone) triblock copolymers: synthesis, characterization and pH-triggered doxorubicin delivery. *Journal of Materials Chemistry B*, **2013**, 1, 6596-6607	7.3	57
301	One-pot synthesis of trifunctional chitosan-EDTA-cyclodextrin polymer for simultaneous removal of metals and organic micropollutants. *Scientific Reports*, **2017**, 7, 15811	4.9	57
300	Polyrhodanine Coated Cellulose Nanocrystals: A Sustainable Antimicrobial Agent. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 1801-1809	8.3	55
299	Cellulose nanocrystal-poly(oligo(ethylene glycol) methacrylate) brushes with tunable LCSTs. *Carbohydrate Polymers*, **2016**, 144, 215-22	10.3	54
298	Enzyme-degradable self-assembled nanostructures from polymer-peptide hybrids. *Biomacromolecules*, **2014**, 15, 1882-8	6.9	54
297	Microstructure and rheological properties of thermo-responsive poly(N-isopropylacrylamide) microgels. *Polymer*, **2010**, 51, 3238-3243	3.9	54
296	Synthesis and self-assembly behavior of four-arm poly(ethylene oxide)-b-poly(2-(diethylamino)ethyl methacrylate) star block copolymer in salt solutions. *Langmuir*, **2007**, 23, 2382-8	4	54

295	Association behavior of biotinylated and non-biotinylated poly(ethylene oxide)-b-poly(2-(diethylamino)ethyl methacrylate). *Biomacromolecules*, **2005**, 6, 498-506	6.9	54
294	Strategy for Synthesizing Porous Cellulose Nanocrystal Supported Metal Nanocatalysts. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 5929-5935	8.3	54
293	Effect of surface modification of cellulose nanocrystal on nonisothermal crystallization of poly(□hydroxybutyrate) composites. *Carbohydrate Polymers*, **2017**, 157, 1821-1829	10.3	53
292	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	9.5	53
291	Enantiomeric glycosylated cationic block co-beta-peptides eradicate Staphylococcus aureus biofilms and antibiotic-tolerant persisters. *Nature Communications*, **2019**, 10, 4792	17.4	53
290	Shape recoverable and mechanically robust cellulose aerogel beads for efficient removal of copper ions. *Chemical Engineering Journal*, **2020**, 392, 124821	14.7	53
289	Natural Biodegradable Poly(3-hydroxybutyrate--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	5.7	53
288	Self-assembly behavior of a stimuli-responsive water-soluble [60]fullerene-containing polymer. *Langmuir*, **2004**, 20, 8569-75	4	53
287	Viscoelastic properties of hydrophobically modified alkali-soluble emulsion in salt solutions. *Polymer*, **1999**, 40, 6369-6379	3.9	53
286	Evaluation of intrinsic viscosity measurements of hydrophobically modified polyelectrolyte solutions. *European Polymer Journal*, **1999**, 35, 1245-1252	5.2	53
285	Poly(N-isopropylacrylamide). II. Effect of polymer concentration, temperature, and surfactant on the viscosity of aqueous solutions. *Journal of Polymer Science Part A*, **1993**, 31, 963-969	2.5	53
284	Diffusion-Controlled Simultaneous Sensing and Scavenging of Heavy Metal Ions in Water Using Atomically Precise Cluster□Cellulose Nanocrystal Composites. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 6167-6176	8.3	52
283	Simple Process To Produce High-Yield Cellulose Nanocrystals Using Recyclable Citric/Hydrochloric Acids. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 4912-4923	8.3	51
282	Calorimetric Studies of Model Hydrophobically Modified Alkali-Soluble Emulsion Polymers with Varying Spacer Chain Length in Ionic Surfactant Solutions. *Macromolecules*, **2000**, 33, 1727-1733	5.5	51
281	Water treatment technologies for the remediation of naphthenic acids in oil sands process-affected water. *Chemical Engineering Journal*, **2015**, 279, 696-714	14.7	50
280	Synthesis of amorphous calcium phosphate using various types of cyclodextrins. *Materials Research Bulletin*, **2007**, 42, 820-827	5.1	50
279	Self-Assembly of Alkali-Soluble [60]Fullerene Containing Poly(methacrylic acid) in Aqueous Solution. *Macromolecules*, **2005**, 38, 933-939	5.5	50
278	Interactions between poly(acrylic acid) and sodium dodecyl sulfate: isothermal titration calorimetric and surfactant ion-selective electrode studies. *Journal of Physical Chemistry B*, **2005**, 109, 5156-61	3.4	50

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276	Supramolecular Complexes of Azocellulose and β-Cyclodextrin: Isothermal Titration Calorimetric and Spectroscopic Studies. *Macromolecules*, **2005**, 38, 2859-2864	5.5	49
275	Control of burst release from nanogels via layer by layer assembly. *Journal of Controlled Release*, **2008**, 128, 248-54	11.7	48
274	Efficient mixing of viscoelastic fluids in a microchannel at low Reynolds number. *Microfluidics and Nanofluidics*, **2006**, 3, 101-108	2.8	48
273	Preparation, characterization and novel photoregulated rheological properties of azobenzene functionalized cellulose derivatives and their β-CD complexes. *Polymer*, **2004**, 45, 6219-6225	3.9	48
272	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	10.3	48
271	Construction of functional cellulose aerogels via atmospheric drying chemically cross-linked and solvent exchanged cellulose nanofibrils. *Chemical Engineering Journal*, **2019**, 366, 531-538	14.7	47
270	Inverse Pickering Emulsions Stabilized by Cinnamate Modified Cellulose Nanocrystals as Templates To Prepare Silica Colloidosomes. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 2583-2590	8.3	47
269	Self-assembly of stimuli-responsive water-soluble [60]fullerene end-capped ampholytic block copolymer. *Journal of Physical Chemistry B*, **2005**, 109, 4431-8	3.4	47
268	Microstructure of Dilute Hydrophobically Modified Alkali Soluble Emulsion in Aqueous Salt Solution. *Macromolecules*, **2000**, 33, 404-411	5.5	47
267	Application of the central composite design to study the flocculation of an anionic azo dye using quaternized cellulose nanofibrils. *Carbohydrate Polymers*, **2015**, 133, 80-9	10.3	46
266	Synthesis of amine functionalized cellulose nanocrystals: optimization and characterization. *Carbohydrate Research*, **2015**, 409, 48-55	2.9	46
265	Applications of nanotechnology in oil and gas industry: Progress and perspective. *Canadian Journal of Chemical Engineering*, **2018**, 96, 91-100	2.3	46
264	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	4.9	46
263	Clustering of magnetic nanoparticles using a double hydrophilic block copolymer, poly(ethylene oxide)-b-poly(acrylic acid). *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 2393-2397	2.8	46
262	Synthesis and thermally responsive properties of novel Pluronic F87/polycaprolactone (PCL) block copolymers with short PCL blocks. *Journal of Applied Polymer Science*, **2006**, 100, 4163-4172	2.9	46
261	Synthesis of hollow spherical calcium phosphate nanoparticles using polymeric nanotemplates. *Nanotechnology*, **2006**, 17, 5988-5994	3.4	46
260	Aggregation behavior and thermodynamics of binding between poly(ethylene oxide)-block-poly(2-(diethylamino)ethyl methacrylate) and plasmid DNA. *Langmuir*, **2006**, 22, 3744-50	4	46

259	Effect of fillers on the structure and mechanical properties of LCP/PP/SiO2 in-situ hybrid nanocomposites. *Composites Science and Technology*, **2003**, 63, 339-346	8.6	46
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254	Model Alkali-Soluble Associative (HASE) Polymers and Ionic Surfactant Interactions Examined by Isothermal Titration Calorimetry. *Langmuir*, **2000**, 16, 2151-2156	4	45
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252	The use of microgel iron oxide nanoparticles in studies of magnetic resonance relaxation and endothelial progenitor cell labelling. *Biomaterials*, **2010**, 31, 3296-306	15.6	44
251	Alpha-cyclodextrin-induced self-assembly of a double-hydrophilic block copolymer in aqueous solution. *Langmuir*, **2007**, 23, 5106-9	4	44
250	Rheological properties of model alkali-soluble associative (HASE) polymer in ionic and non-ionic surfactant solutions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **1999**, 154, 365-382	5.1	44
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248	pH and redox responsive hydrogels and nanogels made from poly(2-ethyl-2-oxazoline). *Polymer Chemistry*, **2013**, 4, 4801	4.9	43
247	Interactions of nanocrystalline cellulose with an oppositely charged surfactant in aqueous medium. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 415, 310-319	5.1	43
246	Rheological Properties of Semidilute Hydrophobically Modified Alkali-Soluble Emulsion Polymers in Sodium Dodecyl Sulfate and Salt Solutions. *Langmuir*, **2000**, 16, 5600-5606	4	43
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243	Structural and Energetic Studies on the Interaction of Cationic Surfactants and Cellulose Nanocrystals. *Langmuir*, **2016**, 32, 689-98	4	41
242	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	14.7	41

241	Cellulose nanocrystals in smart and stimuli-responsive materials: a review. *Materials Today Advances*, **2020**, 5, 100055	7.4	40
240	Fullerene containing polymers: a review on their synthesis and supramolecular behavior in solution. *Journal of Nanoscience and Nanotechnology*, **2007**, 7, 1176-96	1.3	40
239	Dissolution Behavior of HASE Polymers in the Presence of Salt: Potentiometric Titration, Isothermal Titration Calorimetry, and Light Scattering Studies. *Journal of Physical Chemistry B*, **2002**, 106, 1195-1204	3.4	40
238	Selective adsorption and separation of organic dyes using functionalized cellulose nanocrystals. *Chemical Engineering Journal*, **2021**, 417, 129237	14.7	40
237	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	5.1	39
236	Pickering emulsions stabilized by hydrophobically modified nanocellulose containing various structural characteristics. *Cellulose*, **2019**, 26, 7753-7767	5.5	39
235	Microencapsulation of Phase Change Materials with Polystyrene/Cellulose Nanocrystal Hybrid Shell via Pickering Emulsion Polymerization. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 17756-17767	8.3	39
234	Synthesis and aqueous solution properties of sterically stabilized pH-responsive polyampholyte microgels. *Journal of Colloid and Interface Science*, **2007**, 309, 453-63	9.3	39
233	Microstructure and rheology of stimuli-responsive microgel systems--effect of cross-linked density. *Advances in Colloid and Interface Science*, **2005**, 113, 111-20	14.3	39
232	Self-assembly of poly(ethylene oxide)-block-poly(acrylic acid) induced by CaCl2: mechanistic study. *Langmuir*, **2008**, 24, 8501-6	4	38
231	Comparative drug release studies of two cationic drugs from pH-responsive nanogels. *European Journal of Pharmaceutical Sciences*, **2007**, 32, 340-8	5.1	38
230	Synthesis and Aggregation Behavior of Amphiphilic Block Copolymers in Aqueous Solution: Di- and Triblock Copolymers of Poly(ethylene oxide) and Poly(ethyl acrylate). *Langmuir*, **2004**, 20, 1597-1604	4	38
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226	PP/LCP composites: effects of shear flow, extensional flow and nanofillers. *Composites Science and Technology*, **2003**, 63, 1921-1929	8.6	37
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