

Michael K C Tam

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Novel ultrasonic-coating technology to design robust, highly sensitive and wearable textile sensors with conductive nanocelluloses. <i>Chemical Engineering Journal</i> , 2022 , 428, 131289	14.7	9
383	Modeling of Thermo-Responsive Stiffening of Poly(oligo(ethylene glycol)methacrylate)Cellulose Nanocrystal Hydrogels. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 2674-2682	4.3	
382	Effect of hydrophobic modification of cellulose nanocrystal (CNC) and salt addition on Pickering emulsions undergoing phase-transition. <i>Carbohydrate Polymer Technologies and Applications</i> , 2022 , 3, 100201	1.7	
381	Emulsions undergoing phase transition: Effect of emulsifier type and concentration.. <i>Journal of Colloid and Interface Science</i> , 2022 , 617, 214-223	9.3	0
380	Electroconductive cellulose nanocrystals - Synthesis, properties and applications: A review.. <i>Carbohydrate Polymers</i> , 2022 , 289, 119419	10.3	0
379	Osmotic Energy Generation with Mechanically Robust and Oppositely Charged Cellulose Nanocrystal intercalating GO membranes. <i>Nano Energy</i> , 2022 , 107291	17.1	2
378	Sustainable and Versatile Superhydrophobic Cellulose Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 5939-5948	8.3	2
377	Physicochemical Properties of Inorganic Nanopesticides/Nanofertilizers in Aqueous Media and Tank Mixtures 2022 , 253-270		
376	Sustainable Superhydrophobic Surface with Tunable Nanoscale Hydrophilicity for Water Harvesting.. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	1
375	Expectations for Perspectives in ACS Sustainable Chemistry & Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 16528-16530	8.3	0
374	Superhydrophobic surfaces from sustainable colloidal systems. <i>Current Opinion in Colloid and Interface Science</i> , 2021 , 57, 101534	7.6	5
373	Co(III)-Salen immobilized cellulose nanocrystals for efficient catalytic CO fixation into cyclic carbonates under mild conditions. <i>Carbohydrate Polymers</i> , 2021 , 256, 117558	10.3	5
372	Fishing for the right probiotic: host-microbe interactions at the interface of effective aquaculture strategies. <i>FEMS Microbiology Reviews</i> , 2021 , 45,	15.1	3
371	Sticky Hydrogels from Hydrazide-Functionalized Poly(oligo(ethylene glycol) methacrylate) and Dialdehyde Cellulose Nanocrystals with Tunable Thermal and Strain-Hardening Characteristics. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 10424-10430	8.3	4
370	Versatile nanocellulose-based nanohybrids: A promising-new class for active packaging applications. <i>International Journal of Biological Macromolecules</i> , 2021 , 182, 1915-1930	7.9	7
369	Encapsulation and controlled release of vitamin C in modified cellulose nanocrystal/chitosan nanocapsules. <i>Current Research in Food Science</i> , 2021 , 4, 215-223	5.6	9
368	Selective adsorption and separation of organic dyes using functionalized cellulose nanocrystals. <i>Chemical Engineering Journal</i> , 2021 , 417, 129237	14.7	40

367	Flexible, anti-damage, and non-contact sensing electronic skin implanted with MWCNT to block public pathogens contact infection. <i>Nano Research</i> , 2021 , 1-10	10	7
366	Highly sensitive self-healable strain biosensors based on robust transparent conductive nanocellulose nanocomposites: Relationship between percolated network and sensing mechanism. <i>Biosensors and Bioelectronics</i> , 2021 , 191, 113467	11.8	9
365	Sensitive, Stretchable, and Sustainable Conductive Cellulose Nanocrystal Composite for Human Motion Detection. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 17351-17361	8.3	2
364	Carbodiimide coupling versus click chemistry for nanoparticle surface functionalization: A comparative study for the encapsulation of sodium cholate by cellulose nanocrystals modified with Eyclodextrin. <i>Carbohydrate Polymers</i> , 2020 , 244, 116512	10.3	6
363	Carboxylated cellulose cryogel beads via a one-step ester crosslinking of maleic anhydride for copper ions removal. <i>Carbohydrate Polymers</i> , 2020 , 242, 116397	10.3	11
362	Functionalized cellulose nanocrystals as the performance regulators of poly(Ehydroxybutyrate-co-valerate) biocomposites. <i>Carbohydrate Polymers</i> , 2020 , 242, 116399	10.3	7
361	Functional cellulose nanocrystals containing cationic and thermo-responsive polymer brushes. <i>Carbohydrate Polymers</i> , 2020 , 246, 116651	10.3	6
360	Shape recoverable and mechanically robust cellulose aerogel beads for efficient removal of copper ions. <i>Chemical Engineering Journal</i> , 2020 , 392, 124821	14.7	53
359	Cellulose nanocrystals in smart and stimuli-responsive materials: a review. <i>Materials Today Advances</i> , 2020 , 5, 100055	7.4	40
358	Reinforcement of rubber nanocomposite thin sheets by percolation of pristine cellulose nanocrystals. <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 428-436	7.9	29
357	Novel design of Fe-Cu alloy coated cellulose nanocrystals with strong antibacterial ability and efficient Pb removal. <i>Carbohydrate Polymers</i> , 2020 , 234, 115889	10.3	24
356	Double stimuli-responsive cellulose nanocrystals reinforced electrospun PHBV composites membrane for intelligent drug release. <i>International Journal of Biological Macromolecules</i> , 2020 , 155, 330-339	7.9	21
355	Double stabilization mechanism of O/W Pickering emulsions using cationic nanofibrillated cellulose. <i>Journal of Colloid and Interface Science</i> , 2020 , 574, 207-216	9.3	29
354	Nanopesticides: From the Bench to the Market 2020 , 317-348		2
353	Constructing stimuli-free self-healing, robust and ultrasensitive biocompatible hydrogel sensors with conductive cellulose nanocrystals. <i>Chemical Engineering Journal</i> , 2020 , 398, 125547	14.7	80
352	Cellulose-based materials in wastewater treatment of petroleum industry. <i>Green Energy and Environment</i> , 2020 , 5, 37-49	5.7	74
351	The Evolution of ACS Sustainable Chemistry & Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1-1	8.3	2
350	Dual physically and chemically cross-linked polyelectrolyte nanohydrogels: Compositional and pH-dependent behavior studies. <i>European Polymer Journal</i> , 2020 , 122, 109398	5.2	7

349	Polyethylenimine-modified chitosan materials for the recovery of La(III) from leachates of bauxite residue. <i>Chemical Engineering Journal</i> , 2020 , 388, 124307	14.7	44
348	Effect of Molecular Architecture and Composition on the Aggregation Pathways of POEGMA Random Copolymers in Water. <i>Langmuir</i> , 2020 , 36, 15018-15029	4	9
347	Dye Removal Using Sustainable Membrane Adsorbents Produced from Melamine Formaldehyde/Cellulose Nanocrystals and Hard Wood Pulp. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 20854-20865	3.9	4
346	Stimuli-responsive hydrogel consisting of hydrazide-functionalized poly(oligo(ethylene glycol)methacrylate) and dialdehyde cellulose nanocrystals. <i>Materials Advances</i> , 2020 , 1, 1631-1643	3.3	5
345	Efficient visible-light induced H ₂ evolution from T-CdxZn _{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	21.8	24
344	Interfacial Control of the Synthesis of Cellulose Nanocrystal Gold Nanoshells. <i>Langmuir</i> , 2020 , 36, 11215-11224	4	2
343	Self-healing stimuli-responsive cellulose nanocrystal hydrogels. <i>Carbohydrate Polymers</i> , 2020 , 229, 115486	6.3	34
342	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	14.7	41
341	Inclusion Complexation between β -Cyclodextrin and Oligo(ethylene glycol) Methyl Ether Methacrylate. <i>ACS Omega</i> , 2020 , 5, 9517-9528	3.9	3
340	Enantiomeric glycosylated cationic block co-beta-peptides eradicate Staphylococcus aureus biofilms and antibiotic-tolerant persisters. <i>Nature Communications</i> , 2019 , 10, 4792	17.4	53
339	β -Cyclodextrin-Functionalized Cellulose Nanocrystals and Their Interactions with Surfactants. <i>ACS Omega</i> , 2019 , 4, 2102-2110	3.9	10
338	Cinnamate-Functionalized Cellulose Nanocrystals as UV-Shielding Nanofillers in Sunscreen and Transparent Polymer Films. <i>Advanced Sustainable Systems</i> , 2019 , 3, 1800156	5.9	23
337	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	14.7	35
336	Supramolecular Self-Assembly of 3D Conductive Cellulose Nanofiber Aerogels for Flexible Supercapacitors and Ultrasensitive Sensors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24435-24446	9.5	83
335	Simple Synthesis of Flower-like Manganese Dioxide Nanostructures on Cellulose Nanocrystals for High-Performance Supercapacitors and Wearable Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 11823-11831	8.3	29
334	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	5.1	39
333	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	8.3	45
332	CO-Responsive Cellulose Nanofibers Aerogels for Switchable Oil-Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9367-9373	9.5	78

331	Simple Process To Produce High-Yield Cellulose Nanocrystals Using Recyclable Citric/Hydrochloric Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4912-4923	8.3	51
330	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	14.7	47
329	Synthesis and physicochemical properties of dual-responsive acrylic acid/butyl acrylate cross-linked nanogel systems. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 313-323	9.3	17
328	Natural Biodegradable Poly(3-hydroxybutyrate--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	5.7	53
327	Polymeric hollow microcapsules (PHM) via cellulose nanocrystal stabilized Pickering emulsion polymerization. <i>Journal of Colloid and Interface Science</i> , 2019 , 555, 489-497	9.3	32
326	Pickering emulsions stabilized by hydrophobically modified nanocellulose containing various structural characteristics. <i>Cellulose</i> , 2019 , 26, 7753-7767	5.5	39
325	Comprehensive Insight into Degradation Mechanism of Green Biopolyester Nanocomposites Using Functionalized Cellulose Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15537-15547	8.3	19
324	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	8.3	39
323	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	8.3	31
322	The Use of Nano-Polysaccharides in Biomedical Applications. <i>Springer Series in Biomaterials Science and Engineering</i> , 2019 , 171-219	0.6	1
321	Designing Highly Luminescent Cellulose Nanocrystals with Modulated Morphology for Multifunctional Bioimaging Materials. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 48192-48201	9.5	23
320	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	10.3	104
319	Drug release kinetics of pH-responsive microgels of different glass-transition temperatures. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47284	2.9	3
318	Controlled coagulation and redispersion of thermoresponsive poly di(ethylene oxide) methyl ether methacrylate grafted cellulose nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2019 , 538, 51-61	9.3	7
317	Phosphorylated-CNC/modified-chitosan nanocomplexes for the stabilization of Pickering emulsions. <i>Carbohydrate Polymers</i> , 2019 , 206, 520-527	10.3	33
316	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	10.3	48
315	Rheological properties of cellulose nanocrystal-polymeric systems. <i>Cellulose</i> , 2018 , 25, 3229-3240	5.5	16
314	Cellulose nanomaterials: promising sustainable nanomaterials for application in water/wastewater treatment processes. <i>Environmental Science: Nano</i> , 2018 , 5, 623-658	7.1	163

313	Cellulose nanocrystal (CNC)-inorganic hybrid systems: synthesis, properties and applications. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 864-883	7.3	94
312	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	8.3	47
311	UV-Absorbing Cellulose Nanocrystals as Functional Reinforcing Fillers in Poly(vinyl chloride) Films. <i>ACS Applied Nano Materials</i> , 2018 , 1, 632-641	5.6	33
310	Gold nanoparticles stabilized by poly(4-vinylpyridine) grafted cellulose nanocrystals as efficient and recyclable catalysts. <i>Carbohydrate Polymers</i> , 2018 , 182, 61-68	10.3	58
309	Applications of nanotechnology in oil and gas industry: Progress and perspective. <i>Canadian Journal of Chemical Engineering</i> , 2018 , 96, 91-100	2.3	46
308	Convenient characterization of polymers grafted on cellulose nanocrystals via SI-ATRP without chain cleavage. <i>Carbohydrate Polymers</i> , 2018 , 199, 603-609	10.3	32
307	3D bioprinting of liver-mimetic construct with alginate/cellulose nanocrystal hybrid bioink. <i>Bioprinting</i> , 2018 , 9, 1-6	7	104
306	ARGET ATRP of Triblock Copolymers (PMMA-PEO-PMMA) and Their Microstructure in Aqueous Solution. <i>ACS Omega</i> , 2018 , 3, 15996-16004	3.9	8
305	Cellulose Nanocrystal-ZnO Nanohybrids for Controlling Photocatalytic Activity and UV Protection in Cosmetic Formulation. <i>ACS Omega</i> , 2018 , 3, 12403-12411	3.9	32
304	Amphiphilic Cellulose Nanocrystals for Enhanced Pickering Emulsion Stabilization. <i>Langmuir</i> , 2018 , 34, 12897-12905	4	77
303	Cross-linked Pluronic-g-Polyacrylic acid microgel system for the controlled release of doxorubicin in pharmaceutical formulations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 114, 230-238	5.7	7
302	Functionalization of cellulose nanocrystals for advanced applications. <i>Journal of Colloid and Interface Science</i> , 2017 , 494, 397-409	9.3	265
301	Recent advances in the application of cellulose nanocrystals. <i>Current Opinion in Colloid and Interface Science</i> , 2017 , 29, 32-45	7.6	320
300	Effect of surface modification of cellulose nanocrystal on nonisothermal crystallization of poly(4-Hydroxybutyrate) composites. <i>Carbohydrate Polymers</i> , 2017 , 157, 1821-1829	10.3	53
299	Morphology and mechanical properties of poly(4-Hydroxybutyrate)/poly(ε-caprolactone) blends controlled with cellulosic particles. <i>Carbohydrate Polymers</i> , 2017 , 174, 217-225	10.3	20
298	Enhanced non-viral gene delivery by coordinated endosomal release and inhibition of Tubulin deacetylase. <i>Nucleic Acids Research</i> , 2017 , 45, e38	20.1	18
297	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	9.5	53
296	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	16.7	120

295	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	10	135
294	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	4.9	57
293	Removal of 2-naphthoxyacetic acid from aqueous solution using quaternized chitosan beads. <i>Canadian Journal of Chemical Engineering</i> , 2017 , 95, 21-32	2.3	11
292	Use of isothermal titration calorimetry to study surfactant aggregation in colloidal systems. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016 , 1860, 999-1016	4	72
291	Continuous flow adsorption of methylene blue by cellulose nanocrystal-alginate hydrogel beads in fixed bed columns. <i>Carbohydrate Polymers</i> , 2016 , 136, 1194-202	10.3	119
290	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	8.3	52
289	Enhanced radical scavenging activity of polyhydroxylated C60 functionalized cellulose nanocrystals. <i>Cellulose</i> , 2016 , 23, 3589-3599	5.5	19
288	Use of CdS quantum dot-functionalized cellulose nanocrystal films for anti-counterfeiting applications. <i>Nanoscale</i> , 2016 , 8, 13288-96	7.7	80
287	Structural and Energetic Studies on the Interaction of Cationic Surfactants and Cellulose Nanocrystals. <i>Langmuir</i> , 2016 , 32, 689-98	4	41
286	Cellulose nanocrystal-poly(oligo(ethylene glycol) methacrylate) brushes with tunable LCSTs. <i>Carbohydrate Polymers</i> , 2016 , 144, 215-22	10.3	54
285	Negative chromatography of hepatitis B virus-like particle: Comparative study of different adsorbent designs. <i>Journal of Chromatography A</i> , 2016 , 1445, 1-9	4.5	17
284	Stimuli-Responsive Cellulose Nanocrystals for Surfactant-Free Oil Harvesting. <i>Biomacromolecules</i> , 2016 , 17, 1748-56	6.9	82
283	Strategy for Synthesizing Porous Cellulose Nanocrystal Supported Metal Nanocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 5929-5935	8.3	54
282	Injectable supramolecular hydrogels fabricated from PEGylated doxorubicin prodrug and β -cyclodextrin for pH-triggered drug delivery. <i>RSC Advances</i> , 2015 , 5, 54658-54666	3.7	26
281	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, 80-9	10.3	46
280	Water treatment technologies for the remediation of naphthenic acids in oil sands process-affected water. <i>Chemical Engineering Journal</i> , 2015 , 279, 696-714	14.7	50
279	Polyrhodanine Coated Cellulose Nanocrystals: A Sustainable Antimicrobial Agent. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 1801-1809	8.3	55
278	Thermo-responsive adsorbent for size-selective protein adsorption. <i>Journal of Chromatography A</i> , 2015 , 1394, 71-80	4.5	14

277	Crystallisation-driven self-assembly of poly(2-isopropyl-2-oxazoline)-block-poly(2-methyl-2-oxazoline) above the LCST. <i>Soft Matter</i> , 2015 , 11, 3354-9	3.6	37
276	Synthesis of amine functionalized cellulose nanocrystals: optimization and characterization. <i>Carbohydrate Research</i> , 2015 , 409, 48-55	2.9	46
275	Sustainable Catalysts from Gold-Loaded Polyamidoamine Dendrimer-Cellulose Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 978-985	8.3	75
274	Synthesis and characterization of pH-responsive and fluorescent poly (amidoamine) dendrimer-grafted cellulose nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2015 , 450, 101-108	9.3	31
273	A new pathway towards polymer modified cellulose nanocrystals via a grafting onto process for drug delivery. <i>Polymer Chemistry</i> , 2015 , 6, 4206-4209	4.9	69
272	Stimuli-responsive Pickering emulsions: recent advances and potential applications. <i>Soft Matter</i> , 2015 , 11, 3512-29	3.6	382
271	Mussel-Inspired Green Metallization of Silver Nanoparticles on Cellulose Nanocrystals and Their Enhanced Catalytic Reduction of 4-Nitrophenol in the Presence of Cyclodextrin. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 3299-3308	3.9	143
270	Negative chromatography purification of hepatitis B virus-like particles using poly(oligo(ethylene glycol) methacrylate) grafted cationic adsorbent. <i>Journal of Chromatography A</i> , 2015 , 1415, 161-5	4.5	20
269	Hydration of Hydrophobic Iron Carbonyl Homopolymers via Water Carbonyl Interaction (WCI): Creation of Uniform Organometallic Aqueous Vesicles with Exceptionally High Encapsulation Capacity. <i>Macromolecules</i> , 2015 , 48, 7968-7977	5.5	14
268	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	13	71
267	Cellulose nanocrystal alginate hydrogel beads as novel adsorbents for organic dyes in aqueous solutions. <i>Cellulose</i> , 2015 , 22, 3725-3738	5.5	177
266	Poly(2-oxazoline)-based nanogels as biocompatible pseudopoly peptide nanoparticles. <i>Biomacromolecules</i> , 2015 , 16, 183-91	6.9	21
265	Modified cellulose nanocrystal for vitamin C delivery. <i>AAPS PharmSciTech</i> , 2015 , 16, 306-14	3.9	24
264	Tailored drug-release from multi-functional polymer-peptide hybrid vesicles. <i>European Polymer Journal</i> , 2015 , 62, 363-373	5.2	23
263	Enhanced colloidal stability and antibacterial performance of silver nanoparticles/cellulose nanocrystal hybrids. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 603-611	7.3	127
262	Aldehyde-functional copolymers based on poly(2-oxazoline) for post-polymerization modification. <i>European Polymer Journal</i> , 2015 , 62, 322-330	5.2	29
261	A nitrogen and sulfur dual-doped carbon derived from polyrhodanine@cellulose for advanced lithium-sulfur batteries. <i>Advanced Materials</i> , 2015 , 27, 6021-8	24	595
260	Synthesis of an acid-labile polymeric prodrug DOX-acetal-PEG-acetal-DOX with high drug loading content for pH-triggered intracellular drug release. <i>Polymer Chemistry</i> , 2015 , 6, 4809-4818	4.9	46

259	Aqueous synthesis and biostabilization of CdS@ZnS quantum dots for bioimaging applications. <i>Materials Research Express</i> , 2015 , 2, 105401	1.7	14
258	Non-invasive controlled release from gold nanoparticle integrated photo-responsive liposomes through pulse laser induced microbubble cavitation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 126, 569-74	6	26
257	Detection and characterization of hemoglobin dissociation and aggregation using microcalorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 115, 2159-2169	4.1	3
256	Synthesis of β -Cyclodextrin-Modified Cellulose Nanocrystals (CNCs)@Fe ₃ O ₄ @SiO ₂ Superparamagnetic Nanorods. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 951-958	8.3	108
255	Interactions between a series of pyrene end-labeled poly(ethylene oxide)s and sodium dodecyl sulfate in aqueous solution probed by fluorescence. <i>Langmuir</i> , 2014 , 30, 13164-75	4	11
254	Polyrhodanine coated cellulose nanocrystals as optical pH indicators. <i>RSC Advances</i> , 2014 , 4, 60249-60257	3.7	24
253	Conductive cellulose nanocrystals with high cycling stability for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19268-19274	13	73
252	Cost-effective and Scalable Chemical Synthesis of Conductive Cellulose Nanocrystals for High-performance Supercapacitors. <i>Electrochimica Acta</i> , 2014 , 138, 139-147	6.7	80
251	Dual responsive pickering emulsion stabilized by poly[2-(dimethylamino)ethyl methacrylate] grafted cellulose nanocrystals. <i>Biomacromolecules</i> , 2014 , 15, 3052-60	6.9	240
250	Determination and prediction of physical properties of cellulose nanocrystals from dynamic light scattering measurements. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	10
249	Enzyme-degradable self-assembled nanostructures from polymer-peptide hybrids. <i>Biomacromolecules</i> , 2014 , 15, 1882-8	6.9	54
248	Comparative release studies of two cationic model drugs from different cellulose nanocrystal derivatives. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 88, 207-15	5.7	45
247	Sustained drug release in nanomedicine: a long-acting nanocarrier-based formulation for glaucoma. <i>ACS Nano</i> , 2014 , 8, 419-29	16.7	81
246	Dissociation and thermal characteristics of poly(acrylic acid) modified pluronic block copolymers in aqueous solution. <i>Polymer</i> , 2014 , 55, 3886-3893	3.9	10
245	UV-vis spectra as an alternative to the Lowry method for quantify hair damage induced by surfactants. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 123, 326-30	6	
244	Cellulose nanocrystals as promising adsorbents for the removal of cationic dyes. <i>Cellulose</i> , 2014 , 21, 1655-1665	5.5	208
243	β -Cyclodextrin assisted self-assembly of poly(ethylene glycol)-block-poly(N-isopropylacrylamide) in aqueous media. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 4785-4794	2.9	7
242	pH and redox responsive hydrogels and nanogels made from poly(2-ethyl-2-oxazoline). <i>Polymer Chemistry</i> , 2013 , 4, 4801	4.9	43

241	Surface modification of cellulose nanocrystal with chitosan oligosaccharide for drug delivery applications. <i>Cellulose</i> , 2013 , 20, 1747-1764	5.5	146
240	Biocompatible and acid-cleavable poly(ϵ -caprolactone)-acetal-poly(ethylene glycol)-acetal-poly(ϵ -caprolactone) triblock copolymers: synthesis, characterization and pH-triggered doxorubicin delivery. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 6596-6607	7.3	57
239	Binding of cationic surfactants to a thermo-sensitive copolymer below and above its cloud point. <i>Journal of Colloid and Interface Science</i> , 2013 , 412, 17-23	9.3	2
238	Interactions between surfactants and polymer-grafted nanocrystalline cellulose. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 421, 142-149	5.1	31
237	Sustainable nanomaterials derived from polysaccharides and amphiphilic compounds. <i>Soft Matter</i> , 2013 , 9, 7905	3.6	28
236	Swelling and shear viscosity of stimuli-responsive colloidal systems. <i>Soft Matter</i> , 2013 , 9, 5319	3.6	28
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