

Orlando J Rojas

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.

459
papers

21,965
citations

70
h-index

132
g-index

502
ext. papers

26,048
ext. citations

7.5
avg, IF

7.6
L-index

#	Paper	IF	Citations
459	Surface energy properties of lignin particles studied by inverse gas chromatography and interfacial adhesion in polyester composites with electromagnetic transparency. <i>Cellulose</i> , 2022 , 29, 2961	5.5	
458	Pickering emulgels reinforced with host-guest supramolecular inclusion complexes for high fidelity direct ink writing.. <i>Materials Horizons</i> , 2022 ,	14.4	3
457	Bacterial nanocellulose enables auxetic supporting implants.. <i>Carbohydrate Polymers</i> , 2022 , 284, 119198	10.3	2
456	Electrochemical sensing of Staphylococcus aureus based on conductive anti-fouling interface.. <i>Mikrochimica Acta</i> , 2022 , 189, 97	5.8	0
455	Biowaste-derived electrode and electrolyte materials for flexible supercapacitors. <i>Chemical Engineering Journal</i> , 2022 , 435, 135058	14.7	5
454	Direct Ink Writing of Biocompatible Nanocellulose and Chitosan Hydrogels for Implant Mesh Matrices.. <i>ACS Polymers Au</i> , 2022 , 2, 97-107		2
453	Polydopamine-treated hierarchical cellulosic fibers as versatile reinforcement of polybutylene succinate biocomposites for electromagnetic shielding. <i>Carbohydrate Polymers</i> , 2022 , 277, 118818	10.3	2
452	Machine learning as a tool to engineer microstructures: Morphological prediction of tannin-based colloids using Bayesian surrogate models.. <i>MRS Bulletin</i> , 2022 , 47, 1-9	3.2	1
451	Hollow Filaments Synthesized by Dry-Jet Wet Spinning of Cellulose Nanofibrils: Structural Properties and Thermoregulation with Phase-Change Infills.. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 2908-2916	4.3	0
450	Surface functionalization and size modulate the formation of reactive oxygen species and genotoxic effects of cellulose nanofibrils.. <i>Particle and Fibre Toxicology</i> , 2022 , 19, 19	8.4	1
449	Structured Ultra-Flyweight Aerogels by Interfacial Complexation: Self-Assembly Enabling Multiscale Designs.. <i>Small</i> , 2022 , e2200220	11	0
448	Multifunctional Aqueous Ferrofluid Stabilized by Cellulose Nanofibrils with Long Term Stability. <i>Chemical Engineering Journal</i> , 2022 , 136252	14.7	0
447	Bioactive tri-component nanofibers from cellulose acetate/lignin//N-vanillidene-phenylthiazole copper-(II) complex for potential diaper dermatitis control.. <i>International Journal of Biological Macromolecules</i> , 2022 ,	7.9	3
446	Mildly processed chitin used in one-component drinking straws and single use materials: Strength, biodegradability and recyclability. <i>Chemical Engineering Journal</i> , 2022 , 442, 136173	14.7	3
445	High-resolution 3D printing of xanthan gum/nanocellulose bio-inks.. <i>International Journal of Biological Macromolecules</i> , 2022 ,	7.9	2
444	Dispersing swimming microalgae in self-assembled nanocellulose suspension: Unveiling living colloid dynamics in cholesteric liquid crystals.. <i>Journal of Colloid and Interface Science</i> , 2022 , 622, 978-989	9.3	0
443	Benchmarking supramolecular adhesive behaviour of nanocelluloses, cellulose derivatives and proteins. <i>Carbohydrate Polymers</i> , 2022 , 119681	10.3	2

442	Plant Nanomaterials and Inspiration from Nature: Water Interactions and Hierarchically Structured Hydrogels. <i>Advanced Materials</i> , 2021 , 33, e2001085	24	60
441	Superstable Wet Foams and Lightweight Solid Composites from Nanocellulose and Hydrophobic Particles. <i>ACS Nano</i> , 2021 ,	16.7	2
440	Nanocomposite additive of SiO ₂ /TiO ₂ /nanocellulose on waterborne coating formulations for mechanical and aesthetic properties stability on wood. <i>Materials Today Communications</i> , 2021 , 29, 102990	30.5	2
439	Plant-based Structures as an Opportunity to Engineer Optical Functions in next-generation Light Management. <i>Advanced Materials</i> , 2021 , e2104473	24	6
438	Assembling Native Elementary Cellulose Nanofibrils via a Reversible and Regioselective Surface Functionalization. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17040-17046	16.4	3
437	Chiral Nematic Coatings Based on Cellulose Nanocrystals as a Multiplexing Platform for Humidity Sensing and Dual Anticounterfeiting. <i>Small</i> , 2021 , e2103936	11	5
436	3D-Printed Thermoset Biocomposites Based on Forest Residues by Delayed Extrusion of Cold Masterbatch (DECMA). <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 13979-13987	8.3	2
435	Bicomponent Cellulose Fibrils and Minerals Afford Wicking Channels Stencil-Printed on Paper for Rapid and Reliable Fluidic Platforms. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 5536-5546	4.3	2
434	The Food Materials Nexus: Next Generation Bioplastics and Advanced Materials from Agri-Food Residues (Adv. Mater. 43/2021). <i>Advanced Materials</i> , 2021 , 33, 2170342	24	0
433	3D printing and properties of cellulose nanofibrils-reinforced quince seed mucilage bio-inks. <i>International Journal of Biological Macromolecules</i> , 2021 , 192, 1098-1107	7.9	4
432	High-throughput Synthesis of Lignin Particles (~30 nm to ~2 μm) via Aerosol Flow Reactor: Size Fractionation and Utilization in Pickering Emulsions. <i>Oleoscience</i> , 2021 , 21, 463-469	0.1	
431	Lignin Nanoparticle Nucleation and Growth on Cellulose and Chitin Nanofibers. <i>Biomacromolecules</i> , 2021 , 22, 880-889	6.9	6
430	Lignin-Based Porous Supraparticles for Carbon Capture. <i>ACS Nano</i> , 2021 , 15, 6774-6786	16.7	13
429	High frequency pulsed electro dialysis of acidic filtrate in kraft pulping. <i>Journal of Environmental Management</i> , 2021 , 282, 111891	7.9	3
428	Cross-Linked and Surface-Modified Cellulose Acetate as a Cover Layer for Paper-Based Electrochromic Devices. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 2393-2401	4.3	0
427	Associative structures formed from cellulose nanofibrils and nanochitins are pH-responsive and exhibit tunable rheology. <i>Journal of Colloid and Interface Science</i> , 2021 , 588, 232-241	9.3	9
426	Infiltration of Proteins in Cholesteric Cellulose Structures. <i>Biomacromolecules</i> , 2021 , 22, 2067-2080	6.9	4
425	Foliage adhesion and interactions with particulate delivery systems for plant nanobionics and intelligent agriculture. <i>Nano Today</i> , 2021 , 37, 101078	17.9	31

424	Self-Assembled Nanorods and Microspheres for Functional Photonics: Retroreflector Meets Microlens Array (Advanced Optical Materials 9/2021). <i>Advanced Optical Materials</i> , 2021 , 9, 2170034	8.1	
423	Recent Innovations in Emulsion Science and Technology for Food Applications. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 8944-8963	5.7	13
422	Mussel-inspired reinforcement of a biodegradable aliphatic polyester with bamboo fibers. <i>Journal of Cleaner Production</i> , 2021 , 296, 126587	10.3	8
421	Unique reactivity of nanoporous cellulosic materials mediated by surface-confined water. <i>Nature Communications</i> , 2021 , 12, 2513	17.4	14
420	Talc reinforcement of polylactide and biodegradable polyester blends via injection-molding and pilot-scale film extrusion. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 51225	2.9	3
419	Recent developments in colorimetric and optical indicators stimulated by volatile base nitrogen to monitor seafood freshness. <i>Food Packaging and Shelf Life</i> , 2021 , 28, 100634	8.2	14
418	3D printed manifolds for improved flow management in electro dialysis operation for desalination. <i>Desalination</i> , 2021 , 505, 114996	10.3	4
417	Intermolecular self-assembly of dopamine-conjugated carboxymethylcellulose and carbon nanotubes toward supertough filaments and multifunctional wearables. <i>Chemical Engineering Journal</i> , 2021 , 416, 128981	14.7	2
416	Plant-Derived Hydrogels: Plant Nanomaterials and Inspiration from Nature: Water Interactions and Hierarchically Structured Hydrogels (Adv. Mater. 28/2021). <i>Advanced Materials</i> , 2021 , 33, 2170218	24	0
415	Development of food-grade Pickering emulsions stabilized by a mixture of cellulose nanofibrils and nanochitin. <i>Food Hydrocolloids</i> , 2021 , 113, 106451	10.6	25
414	Residual lignin in cellulose nanofibrils enhances the interfacial stabilization of Pickering emulsions. <i>Carbohydrate Polymers</i> , 2021 , 253, 117223	10.3	12
413	Nanocellulose/LiCl systems enable conductive and stretchable electrolyte hydrogels with tolerance to dehydration and extreme cold conditions. <i>Chemical Engineering Journal</i> , 2021 , 408, 127306	14.7	59
412	Transparent films by ionic liquid welding of cellulose nanofibers and polylactide: Enhanced biodegradability in marine environments. <i>Journal of Hazardous Materials</i> , 2021 , 402, 124073	12.8	8
411	Impact of incubation conditions and post-treatment on the properties of bacterial cellulose membranes for pressure-driven filtration. <i>Carbohydrate Polymers</i> , 2021 , 251, 117073	10.3	8
410	Partitioning of the milk fat globule membrane between buttermilk and butter serum is determined by the thermal behaviour of the fat globules. <i>International Dairy Journal</i> , 2021 , 112, 104863	3.5	3
409	Chitin nanocrystals reduce lipid digestion and β -carotene bioaccessibility: An in-vitro INFOGEST gastrointestinal study. <i>Food Hydrocolloids</i> , 2021 , 113, 106494	10.6	13
408	Micro- and nanofibrillated cellulose from virgin and recycled fibers: A comparative study of its effects on the properties of hygiene tissue paper. <i>Carbohydrate Polymers</i> , 2021 , 254, 117430	10.3	11
407	Lignin effect in castor oil-based elastomers: Reaching new limits in rheological and cushioning behaviors. <i>Composites Science and Technology</i> , 2021 , 203, 108602	8.6	10

406	Recent Advances in Food Emulsions and Engineering Foodstuffs Using Plant-Based Nanocelluloses. <i>Annual Review of Food Science and Technology</i> , 2021 , 12, 383-406	14.7	18
405	New Opportunities in the Valorization of Technical Lignins. <i>ChemSusChem</i> , 2021 , 14, 1016-1036	8.3	31
404	Leakage-proof microencapsulation of phase change materials by emulsification with acetylated cellulose nanofibrils. <i>Carbohydrate Polymers</i> , 2021 , 254, 117279	10.3	19
403	Cellulose dissolution in aqueous NaOH/ZnO: cellulose reactivity and the role of ZnO. <i>Cellulose</i> , 2021 , 28, 1267-1281	5.5	5
402	Regioselective and water-assisted surface esterification of never-dried cellulose: nanofibers with adjustable surface energy. <i>Green Chemistry</i> , 2021 , 23, 6966-6974	10	5
401	Understanding lignin micro- and nanoparticle nucleation and growth in aqueous suspensions by solvent fractionation. <i>Green Chemistry</i> , 2021 , 23, 1001-1012	10	14
400	Developing fibrillated cellulose as a sustainable technological material. <i>Nature</i> , 2021 , 590, 47-56	50.4	213
399	Selective Laser Sintering of Lignin-Based Composites. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 2727-2735	8.3	11
398	Cellulose Nanofibrils Endow Phase-Change Polyethylene Glycol with Form Control and Solid-to-gel Transition for Thermal Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 6188-6200	9.5	16
397	Self-Assembled Nanorods and Microspheres for Functional Photonics: Retroreflector Meets Microlens Array. <i>Advanced Optical Materials</i> , 2021 , 9, 2002258	8.1	5
396	Pickering Emulsions Interfacial Nanoparticle Complexation of Oppositely Charged Nanopolysaccharides. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 12581-12593	9.5	11
395	Influence of Charge and Heat on the Mechanical Properties of Scaffolds from Ionic Complexation of Chitosan and Carboxymethyl Cellulose. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 3618-3632	5.5	5
394	Direct ink writing of aloe vera/cellulose nanofibrils bio-hydrogels. <i>Carbohydrate Polymers</i> , 2021 , 266, 118114	10.3	15
393	Revisiting Cation Complexation and Hydrogen Bonding of Single-Chain Polyguluronate Alginate. <i>Biomacromolecules</i> , 2021 , 22, 4027-4036	6.9	2
392	Effects of talc, kaolin and calcium carbonate as fillers in biopolymer packaging materials. <i>Journal of Polymer Engineering</i> , 2021 ,	1.4	1
391	Deconstruction and Reassembly of Renewable Polymers and Biocolloids into Next Generation Structured Materials. <i>Chemical Reviews</i> , 2021 , 121, 14088-14188	68.1	23
390	Superstructured mesocrystals through multiple inherent molecular interactions for highly reversible sodium ion batteries. <i>Science Advances</i> , 2021 , 7, eabh3482	14.3	17
389	Anion-Specific Water Interactions with Nanochitin: Donnan and Osmotic Pressure Effects as Revealed by Quartz Microgravimetry. <i>Langmuir</i> , 2021 , 37, 11242-11250	4	1

388	Recent development in food emulsion stabilized by plant-based cellulose nanoparticles. <i>Current Opinion in Colloid and Interface Science</i> , 2021 , 101512	7.6	6
387	The Food-Materials Nexus: Next Generation Bioplastics and Advanced Materials from Agri-Food Residues. <i>Advanced Materials</i> , 2021 , 33, e2102520	24	10
386	Hydrothermal and mechanically generated hemp hurd nanofibers for sustainable barrier coatings/films. <i>Industrial Crops and Products</i> , 2021 , 168, 113582	5.9	6
385	Interfacial Contributions in Nanodiamond-Reinforced Polymeric Fibers. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 10312-10323	3.4	1
384	Cellulose nanofibers and the film-formation dilemma: Drying temperature and tunable optical, mechanical and wetting properties of nanocomposite films composed of waterborne sulfopolyesters. <i>Journal of Colloid and Interface Science</i> , 2021 , 598, 369-378	9.3	0
383	Particle size and fat encapsulation define the colloidal dispersibility and reconstitution of growing-up milk powder. <i>Powder Technology</i> , 2021 , 391, 133-141	5.2	1
382	Mesophase characteristics of cellulose nanocrystal films prepared from electrolyte suspensions. <i>Journal of Colloid and Interface Science</i> , 2021 , 599, 207-218	9.3	7
381	Ascorbic acid-loaded polyvinyl alcohol/cellulose nanofibril hydrogels as precursors for 3D printed materials. <i>Materials Science and Engineering C</i> , 2021 , 130, 112424	8.3	10
380	Desalination by pulsed electro dialysis reversal: Approaching fully closed-loop water systems in wood pulp mills. <i>Journal of Environmental Management</i> , 2021 , 298, 113518	7.9	0
379	Chitin-amyloid synergism and their use as sustainable structural adhesives. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 19741-19753	13	5
378	Single-Step Fiber Pretreatment with Monocomponent Endoglucanase: Defibrillation Energy and Cellulose Nanofibril Quality. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 2260-2270	8.3	11
377	Multifunctional lignin-based nanocomposites and nanohybrids. <i>Green Chemistry</i> , 2021 , 23, 6698-6760	10	25
376	Chirality from Cryo-Electron Tomograms of Nanocrystals Obtained by Lateral Disassembly and Surface Etching of Never-Dried Chitin. <i>ACS Nano</i> , 2020 , 14, 6921-6930	16.7	17
375	Nanofibrillar networks enable universal assembly of superstructured particle constructs. <i>Science Advances</i> , 2020 , 6, eaaz7328	14.3	21
374	Mesoporous Carbon Microfibers for Electroactive Materials Derived from Lignocellulose Nanofibrils. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 8549-8561	8.3	5
373	Spruce milled wood lignin: linear, branched or cross-linked?. <i>Green Chemistry</i> , 2020 , 22, 3985-4001	10	30
372	Bubble Attachment to Cellulose and Silica Surfaces of Varied Surface Energies: Wetting Transition and Implications in Foam Forming. <i>Langmuir</i> , 2020 , 36, 7296-7308	4	8
371	Loading of Iron (II, III) Oxide Nanoparticles in Cryogels Based on Microfibrillar Cellulose for Heavy Metal Ion Separation. <i>Advances in Polymer Technology</i> , 2020 , 2020, 1-8	1.9	1

370	Effect of particle surface corrugation on colloidal interactions. <i>Journal of Colloid and Interface Science</i> , 2020 , 579, 794-804	9.3	4
369	Multifunctional 3D-Printed Patches for Long-Term Drug Release Therapies after Myocardial Infarction. <i>Advanced Functional Materials</i> , 2020 , 30, 2003440	15.6	25
368	Cellulose as the in situ reference for organic XPS. Why? Because it works. <i>Surface and Interface Analysis</i> , 2020 , 52, 1134-1138	1.5	15
367	Interactions between type A carbohydrate binding modules and cellulose studied with a quartz crystal microbalance with dissipation monitoring. <i>Cellulose</i> , 2020 , 27, 3661-3675	5.5	10
366	Exploiting Supramolecular Interactions from Polymeric Colloids for Strong Anisotropic Adhesion between Solid Surfaces. <i>Advanced Materials</i> , 2020 , 32, e1906886	24	34
365	Cogrounding Wood Fibers and Tannins: Surfactant Effects on the Interactions and Properties of Functional Films for Sustainable Packaging Materials. <i>Biomacromolecules</i> , 2020 , 21, 1865-1874	6.9	13
364	High Internal Phase Oil-in-Water Pickering Emulsions Stabilized by Chitin Nanofibrils: 3D Structuring and Solid Foam . <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11240-11251	9.5	54
363	Comparative Screening of the Structural and Thermomechanical Properties of FDM Filaments Comprising Thermoplastics Loaded with Cellulose, Carbon and Glass Fibers. <i>Materials</i> , 2020 , 13,	3.5	16
362	Fabrication and Characterization of Drug-Loaded Conductive Poly(glycerol sebacate)/Nanoparticle-Based Composite Patch for Myocardial Infarction Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 6899-6909	9.5	30
361	Structural Arrest and Phase Transition in Glassy Nanocellulose Colloids. <i>Langmuir</i> , 2020 , 36, 979-985	4	7
360	Charge Matters: Electrostatic Complexation As a Green Approach to Assemble Advanced Functional Materials. <i>ACS Omega</i> , 2020 , 5, 1296-1304	3.9	12
359	Phosphorylated cellulose nanofibers exhibit exceptional capacity for uranium capture. <i>Cellulose</i> , 2020 , 27, 10719-10732	5.5	14
358	Nanochitin-stabilized pickering emulsions: Influence of nanochitin on lipid digestibility and vitamin bioaccessibility. <i>Food Hydrocolloids</i> , 2020 , 106, 105878	10.6	46
357	Porous nanocellulose gels and foams: Breakthrough status in the development of scaffolds for tissue engineering. <i>Materials Today</i> , 2020 , 37, 126-141	21.8	76
356	Spherical lignin particles: a review on their sustainability and applications. <i>Green Chemistry</i> , 2020 , 22, 2712-2733	10	114
355	Using micro- and nanofibrillated cellulose as a means to reduce weight of paper products: A review. <i>BioResources</i> , 2020 , 15, 4553-4590	1.3	4
354	Using micro- and nanofibrillated cellulose as a means to reduce weight of paper products: A review. <i>BioResources</i> , 2020 , 15, 4553-4590	1.3	18
353	Exploiting electroconvective vortices in electrodialysis with high-frequency asymmetric bipolar pulses for desalination in overlimiting current regimes. <i>Desalination</i> , 2020 , 474, 114190	10.3	7

352	Modulation of Physicochemical Characteristics of Pickering Emulsions: Utilization of Nanocellulose- and Nanochitin-Coated Lipid Droplet Blends. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 603-617	5.7	30
351	Lignin-First Integrated Hydrothermal Treatment (HTT) and Synthesis of Low-Cost Biorefinery Particles. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1230-1239	8.3	25
350	Coaxial Spinning of All-Cellulose Systems for Enhanced Toughness: Filaments of Oxidized Nanofibrils Sheathed in Cellulose II Regenerated from a Protic Ionic Liquid. <i>Biomacromolecules</i> , 2020 , 21, 878-891	6.9	12
349	Nanochitins of Varying Aspect Ratio and Properties of Microfibers Produced by Interfacial Complexation with Seaweed Alginate. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1137-1145	8.3	15
348	Guiding Bacterial Activity for Biofabrication of Complex Materials Controlled Wetting of Superhydrophobic Surfaces. <i>ACS Nano</i> , 2020 , 14, 12929-12937	16.7	11
347	Three-Dimensional Printed Cell Culture Model Based on Spherical Colloidal Lignin Particles and Cellulose Nanofibril-Alginate Hydrogel. <i>Biomacromolecules</i> , 2020 , 21, 1875-1885	6.9	38
346	Self-Assembly of Soft Cellulose Nanospheres into Colloidal Gel Layers with Enhanced Protein Adsorption Capability for Next-Generation Immunoassays. <i>Small</i> , 2020 , 16, e2004702	11	7
345	Microfibers synthesized by wet-spinning of chitin nanomaterials: mechanical, structural and cell proliferation properties.. <i>RSC Advances</i> , 2020 , 10, 29450-29459	3.7	9
344	Migration Effects of Fluorochemical Melt Additives for Alcohol Repellency in Polypropylene Nonwoven Materials. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 36787-36798	9.5	7
343	Shear-Dependent Structures of Flocculated Micro/Nanofibrillated Cellulose (MNFC) in Aqueous Suspensions. <i>Biomacromolecules</i> , 2020 , 21, 3561-3570	6.9	8
342	Electrically Conductive Thin Films Based on Nanofibrillated Cellulose: Interactions with Water and Applications in Humidity Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 36437-36448	9.5	14
341	Morphological and Wettability Properties of Thin Coating Films Produced from Technical Lignins. <i>Langmuir</i> , 2020 , 36, 9675-9684	4	13
340	Form-stable phase change materials from mesoporous balsa after selective removal of lignin. <i>Composites Part B: Engineering</i> , 2020 , 199, 108296	10	15
339	Coupled Effects of Fibril Width, Residual and Mechanically Liberated Lignin on the Flow, Viscoelasticity, and Dewatering of Cellulosic Nanomaterials. <i>Biomacromolecules</i> , 2020 , 21, 4123-4134	6.9	6
338	Quantitative Calorimetric Studies of the Chiral Nematic Mesophase in Aqueous Cellulose Nanocrystal Suspensions. <i>Langmuir</i> , 2020 , 36, 10830-10837	4	6
337	All-Aqueous Liquid Crystal Nanocellulose Emulsions with Permeable Interfacial Assembly. <i>ACS Nano</i> , 2020 , 14, 13380-13390	16.7	20
336	Cellulose nanocrystals for gelation and percolation-induced reinforcement of a photocurable poly(vinyl alcohol) derivative. <i>Soft Matter</i> , 2020 , 16, 8602-8611	3.6	0
335	Partially acetylated cellulose nanofibrils from Agave tequilana bagasse and Pickering stabilization. <i>Journal of Dispersion Science and Technology</i> , 2020 , 1-9	1.5	1

334	Asymmetric bipolar switch device for electrochemical processes. <i>AIP Advances</i> , 2019 , 9, 085011	1.5	3
333	How Cellulose Nanofibrils Affect Bulk, Surface, and Foam Properties of Anionic Surfactant Solutions. <i>Biomacromolecules</i> , 2019 , 20, 4361-4369	6.9	18
332	Morphology-Controlled Synthesis of Colloidal Polyphenol Particles from Aqueous Solutions of Tannic Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16985-16990	8.3	7
331	Multiwalled Carbon Nanotubes/Nanofibrillar Cellulose/Nafion Composite-Modified Tetrahedral Amorphous Carbon Electrodes for Selective Dopamine Detection. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 24826-24836	3.8	15
330	Soft cellulose II nanospheres: sol-gel behaviour, swelling and material synthesis. <i>Nanoscale</i> , 2019 , 11, 17773-17781	7.7	17
329	High Axial Ratio Nanochitins for Ultrastrong and Shape-Recoverable Hydrogels and Cryogels via Ice Templating. <i>ACS Nano</i> , 2019 , 13, 2927-2935	16.7	41
328	Production of bacterial nanocellulose (BNC) and its application as a solid support in transition metal catalysed cross-coupling reactions. <i>International Journal of Biological Macromolecules</i> , 2019 , 129, 351-360	7.9	17
327	Use of a Branched Linker for Enhanced Biosensing Properties in IgG Detection from Mixed Chinese Hamster Ovary Cell Cultures. <i>Bioconjugate Chemistry</i> , 2019 , 30, 815-825	6.3	7
326	Acetylated Nanocellulose for Single-Component Bioinks and Cell Proliferation on 3D-Printed Scaffolds. <i>Biomacromolecules</i> , 2019 , 20, 2770-2778	6.9	48
325	Electrolyte membranes based on ultrafine fibers of acetylated cellulose for improved and long-lasting dye-sensitized solar cells. <i>Cellulose</i> , 2019 , 26, 6151-6163	5.5	10
324	Accounting for Substrate Interactions in the Measurement of the Dimensions of Cellulose Nanofibrils. <i>Biomacromolecules</i> , 2019 , 20, 2657-2665	6.9	25
323	Nanocellulose and Nanochitin Cryogels Improve the Efficiency of Dye Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 10257-10265	8.3	14
322	Expanding the upper limits of robustness of cellulose nanocrystal aerogels: outstanding mechanical performance and associated pore compression response of chiral-nematic architectures. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15309-15319	13	24
321	Nano-lignocellulose from recycled fibres in coatings from aqueous and ethanolic media: effect of residual lignin on wetting and offset printing quality. <i>Nordic Pulp and Paper Research Journal</i> , 2019 , 34, 200-210	1.1	13
320	Impact of oxidative carbonization on structure development of loblolly pine-derived biochar investigated by nuclear magnetic resonance spectroscopy and X-ray photoelectron spectroscopy. <i>Diamond and Related Materials</i> , 2019 , 96, 140-147	3.5	7
319	Experimental and Predictive Description of the Morphology of Wet-Spun Fibers. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 1280-1290	4.3	4
318	Dissolution and Hydrolysis of Bleached Kraft Pulp Using Ionic Liquids. <i>Polymers</i> , 2019 , 11,	4.5	13
317	Oil-in-water Pickering emulsions via microfluidization with cellulose nanocrystals: 2. In vitro lipid digestion. <i>Food Hydrocolloids</i> , 2019 , 96, 709-716	10.6	58

316	Measuring the Interfacial Behavior of Sugar-Based Surfactants to Link Molecular Structure and Uses 2019 , 387-412		
315	Surface Activity and Foaming Capacity of Aggregates Formed between an Anionic Surfactant and Non-Cellulosics Leached from Wood Fibers. <i>Biomacromolecules</i> , 2019 , 20, 2286-2294	6.9	13
314	Oil-in-water Pickering emulsions via microfluidization with cellulose nanocrystals: 1. Formation and stability. <i>Food Hydrocolloids</i> , 2019 , 96, 699-708	10.6	108
313	Self-Assembled Networks of Short and Long Chitin Nanoparticles for Oil/Water Interfacial Superstabilization. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 6497-6511	8.3	61
312	Lignin-based multiwall carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 121, 175-179	8.4	17
311	Food emulsifiers based on milk fat globule membranes and their interactions with calcium and casein phosphoproteins. <i>Food Hydrocolloids</i> , 2019 , 94, 30-37	10.6	10
310	Plasticized Cellulosic Films by Partial Esterification and Welding in Low-Concentration Ionic Liquid Electrolyte. <i>Biomacromolecules</i> , 2019 , 20, 2105-2114	6.9	11
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