Orlando J Rojas

List of Publications by Citations

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	Cellulose nanocrystals: chemistry, self-assembly, and applications. *Chemical Reviews*, **2010**, 110, 3479-500	68.1	3892
458	Nanofiber composites of polyvinyl alcohol and cellulose nanocrystals: manufacture and characterization. *Biomacromolecules*, **2010**, 11, 674-81	6.9	417
457	Nanocellulose properties and applications in colloids and interfaces. *Current Opinion in Colloid and Interface Science*, **2014**, 19, 383-396	7.6	415
456	Antimicrobial wound dressing nanofiber mats from multicomponent (chitosan/silver-NPs/polyvinyl alcohol) systems. *Carbohydrate Polymers*, **2014**, 100, 166-78	10.3	398
455	A comparative study of energy consumption and physical properties of microfibrillated cellulose produced by different processing methods. *Cellulose*, **2011**, 18, 1097-1111	5.5	373
454	Advanced Materials through Assembly of Nanocelluloses. *Advanced Materials*, **2018**, 30, e1703779	24	340
453	Inhibitory effect of lignin during cellulose bioconversion: the effect of lignin chemistry on non-productive enzyme adsorption. *Bioresource Technology*, **2013**, 133, 270-8	11	279
452	Pickering emulsions stabilized by cellulose nanocrystals grafted with thermo-responsive polymer brushes. *Journal of Colloid and Interface Science*, **2012**, 369, 202-9	9.3	273
451	Comprehensive elucidation of the effect of residual lignin on the physical, barrier, mechanical and surface properties of nanocellulose films. *Green Chemistry*, **2015**, 17, 1853-1866	10	265
450	The effect of chemical composition on microfibrillar cellulose films from wood pulps: water interactions and physical properties for packaging applications. *Cellulose*, **2010**, 17, 835-848	5.5	243
449	Porous N,P-doped carbon from coconut shells with high electrocatalytic activity for oxygen reduction: Alternative to Pt-C for alkaline fuel cells. *Applied Catalysis B: Environmental*, **2017**, 204, 394-402	21.8	239
448	Poly(N-isopropylacrylamide) brushes grafted from cellulose nanocrystals via surface-initiated single-electron transfer living radical polymerization. *Biomacromolecules*, **2010**, 11, 2683-91	6.9	237
447	Reinforcing poly(epsilon-caprolactone) nanofibers with cellulose nanocrystals. *ACS Applied Materials & Interfaces*, **2009**, 1, 1996-2004	9.5	217
446	The effect of chemical composition on microfibrillar cellulose films from wood pulps: mechanical processing and physical properties. *Bioresource Technology*, **2010**, 101, 5961-8	11	213
445	Developing fibrillated cellulose as a sustainable technological material. *Nature*, **2021**, 590, 47-56	50.4	213
444	Advanced Biomass-Derived Electrocatalysts for the Oxygen Reduction Reaction. *Advanced Materials*, **2018**, 30, e1703691	24	202
443	Electrospun nanocomposites from polystyrene loaded with cellulose nanowhiskers. *Journal of Applied Polymer Science*, **2009**, 113, 927-935	2.9	164

442	Effect of residual lignin and heteropolysaccharides in nanofibrillar cellulose and nanopaper from wood fibers. *Cellulose*, **2012**, 19, 2179-2193	5.5	162
441	Behavior of nanocelluloses at interfaces. *Current Opinion in Colloid and Interface Science*, **2017**, 29, 83-95	7.6	161
440	Pickering emulsions by combining cellulose nanofibrils and nanocrystals: phase behavior and depletion stabilization. *Green Chemistry*, **2018**, 20, 1571-1582	10	161
439	Nanocellulose in Thin Films, Coatings, and Plies for Packaging Applications: A Review. *BioResources*, **2016**, 12,	1.3	160
438	Valorization of residual Empty Palm Fruit Bunch Fibers (EPFBF) by microfluidization: production of nanofibrillated cellulose and EPFBF nanopaper. *Bioresource Technology*, **2012**, 125, 249-55	11	157
437	Modification of cellulose films by adsorption of CMC and chitosan for controlled attachment of biomolecules. *Biomacromolecules*, **2011**, 12, 4311-8	6.9	153
436	Cellulose Nanofibril Film as a Piezoelectric Sensor Material. *ACS Applied Materials & Interfaces*, **2016**, 8, 15607-14	9.5	152
435	Piezoelectric Effect of Cellulose Nanocrystals Thin Films. *ACS Macro Letters*, **2012**, 1, 867-870	6.6	149
434	Lignin-based electrospun nanofibers reinforced with cellulose nanocrystals. *Biomacromolecules*, **2012**, 13, 918-26	6.9	144
433	Bacterial cellulose produced by a new acid-resistant strain of Gluconacetobacter genus. *Carbohydrate Polymers*, **2012**, 89, 1033-7	10.3	143
432	Enzymatic kinetics of cellulose hydrolysis: a QCM-D study. *Langmuir*, **2008**, 24, 3880-7	4	137
431	Transformation of lignocellulosic biomass during torrefaction. *Journal of Analytical and Applied Pyrolysis*, **2013**, 100, 199-206	6	135
430	Mechanical deconstruction of lignocellulose cell walls and their enzymatic saccharification. *Cellulose*, **2013**, 20, 807-818	5.5	129
429	Enzymatic hydrolysis of native cellulose nanofibrils and other cellulose model films: effect of surface structure. *Langmuir*, **2008**, 24, 11592-9	4	128
428	Activated carbon from biochar: influence of its physicochemical properties on the sorption characteristics of phenanthrene. *Bioresource Technology*, **2013**, 149, 383-9	11	126
427	Cellulose Nanofibrils. *Journal of Renewable Materials*, **2013**, 1, 195-211	2.4	126
426	Ultrathin film coatings of aligned cellulose nanocrystals from a convective-shear assembly system and their surface mechanical properties. *Soft Matter*, **2011**, 7, 1957	3.6	123
425	Effect of Polyelectrolyte Charge Density on the Adsorption and Desorption Behavior on Mica. *Langmuir*, **2002**, 18, 1604-1612	4	122

424	High-Throughput Synthesis of Lignin Particles (~30 nm to ~2 μm) via Aerosol Flow Reactor: Size Fractionation and Utilization in Pickering Emulsions. *ACS Applied Materials & Interfaces*, **2016**, 8, 23302-10	9.5	120
423	PAPER CHEMISTRY: Approaching super-hydrophobicity from cellulosic materials: A Review. *Nordic Pulp and Paper Research Journal*, **2013**, 28, 216-238	1.1	119
422	Effect of moisture on electrospun nanofiber composites of poly(vinyl alcohol) and cellulose nanocrystals. *Biomacromolecules*, **2010**, 11, 2471-7	6.9	118
421	Ambient-Dried Cellulose Nanofibril Aerogel Membranes with High Tensile Strength and Their Use for Aerosol Collection and Templates for Transparent, Flexible Devices. *Advanced Functional Materials*, **2015**, 25, 6618-6626	15.6	115
420	Surface functionalized nanofibrillar cellulose (NFC) film as a platform for immunoassays and diagnostics. *Biointerphases*, **2012**, 7, 61	1.8	115
419	Spherical lignin particles: a review on their sustainability and applications. *Green Chemistry*, **2020**, 22, 2712-2733	10	114
418	On the polymorphic and morphological changes of cellulose nanocrystals (CNC-I) upon mercerization and conversion to CNC-II. *Carbohydrate Polymers*, **2016**, 143, 327-35	10.3	114
417	Strength and Water Interactions of Cellulose I Filaments Wet-Spun from Cellulose Nanofibril Hydrogels. *Scientific Reports*, **2016**, 6, 30695	4.9	110
416	Cellulose nanocrystal-mediated synthesis of silver nanoparticles: role of sulfate groups in nucleation phenomena. *Biomacromolecules*, **2014**, 15, 373-9	6.9	109
415	Water-resistant, transparent hybrid nanopaper by physical cross-linking with chitosan. *Biomacromolecules*, **2015**, 16, 1062-71	6.9	109
414	Oil-in-water Pickering emulsions via microfluidization with cellulose nanocrystals: 1. Formation and stability. *Food Hydrocolloids*, **2019**, 96, 699-708	10.6	108
413	Nanocellulose–surfactant interactions. *Current Opinion in Colloid and Interface Science*, **2017**, 29, 57-67	7.6	100
412	Performance, combustion, and emissions in a diesel engine operated with fuel-in-water emulsions based on lignin. *Applied Energy*, **2015**, 154, 851-861	10.7	100
411	Modification of cellulose nanofibrils with luminescent carbon dots. *Biomacromolecules*, **2014**, 15, 876-81	6.9	98
410	The Effect of Salt Concentration on Adsorption of Low-Charge-Density Polyelectrolytes and Interactions between Polyelectrolyte-Coated Surfaces. *Journal of Colloid and Interface Science*, **1998**, 205, 77-88	9.3	98
409	Water vapor barrier properties of coated and filled microfibrillated cellulose composite films. *BioResources*, **2011**, 6, 4370-4388	1.3	92
408	Spinning of Cellulose Nanofibrils into Filaments: A Review. *Industrial & Engineering Chemistry Research*, **2017**, 56, 8-19	3.9	90
407	Controlled release for crop and wood protection: Recent progress toward sustainable and safe nanostructured biocidal systems. *Journal of Controlled Release*, **2017**, 262, 139-150	11.7	88

406	All-Cellulose Composite Fibers Obtained by Electrospinning Dispersions of Cellulose Acetate and Cellulose Nanocrystals. *Journal of Polymers and the Environment*, **2012**, 20, 1075-1083	4.5	84
405	Dispersion of cellulose crystallites by nonionic surfactants in a hydrophobic polymer matrix. *Polymer Engineering and Science*, **2009**, 49, 2054-2061	2.3	84
404	Salt-Induced Depression of Lower Critical Solution Temperature in a Surface-Grafted Neutral Thermoresponsive Polymer. *Macromolecular Rapid Communications*, **2006**, 27, 697-701	4.8	84
403	Lignin supracolloids synthesized from (W/O) microemulsions: use in the interfacial stabilization of Pickering systems and organic carriers for silver metal. *Soft Matter*, **2015**, 11, 2046-54	3.6	83
402	Antibacterial activity of silver nanoparticles synthesized In-situ by solution spraying onto cellulose. *Carbohydrate Polymers*, **2016**, 147, 500-508	10.3	83
401	Development of Langmuir-Schaeffer cellulose nanocrystal monolayers and their interfacial behaviors. *Langmuir*, **2010**, 26, 990-1001	4	82
400	Solid-State Synthesis of Metal Nanoparticles Supported on Cellulose Nanocrystals and Their Catalytic Activity. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 3974-3983	8.3	81
399	Photoluminescent Hybrids of Cellulose Nanocrystals and Carbon Quantum Dots as Cytocompatible Probes for in Vitro Bioimaging. *Biomacromolecules*, **2017**, 18, 2045-2055	6.9	78
398	Superhydrophobic and Slippery Lubricant-Infused Flexible Transparent Nanocellulose Films by Photoinduced Thiol-Ene Functionalization. *ACS Applied Materials & Interfaces*, **2016**, 8, 34115-34122	9.5	78
397	Porous nanocellulose gels and foams: Breakthrough status in the development of scaffolds for tissue engineering. *Materials Today*, **2020**, 37, 126-141	21.8	76
396	Fabrication and characterization of bactericidal thiol-chitosan and chitosan iodoacetamide nanofibres. *International Journal of Biological Macromolecules*, **2017**, 94, 96-105	7.9	75
395	Generic method for attaching biomolecules via avidin-biotin complexes immobilized on films of regenerated and nanofibrillar cellulose. *Biomacromolecules*, **2012**, 13, 2802-10	6.9	75
394	Lignin changes after steam explosion and laccase-mediator treatment of eucalyptus wood chips. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 8761-9	5.7	75
393	Adsorption and Assembly of Cellulosic and Lignin Colloids at Oil/Water Interfaces. *Langmuir*, **2019**, 35, 571-588	4	73
392	Curdlan in fibers as carriers of tetracycline hydrochloride: Controlled release and antibacterial activity. *Carbohydrate Polymers*, **2016**, 154, 194-203	10.3	72
391	Crosslinked PVA nanofibers reinforced with cellulose nanocrystals: Water interactions and thermomechanical properties. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	72
390	Soy protein□anocellulose composite aerogels. *Cellulose*, **2013**, 20, 2417-2426	5.5	71
389	Clean and high-throughput production of silver nanoparticles mediated by soy protein via solid state synthesis. *Journal of Cleaner Production*, **2017**, 144, 501-510	10.3	68

388	Surface interaction forces of cellulose nanocrystals grafted with thermoresponsive polymer brushes. *Biomacromolecules*, **2011**, 12, 2788-96	6.9	67
387	Interfacial properties of lignin-based electrospun nanofibers and films reinforced with cellulose nanocrystals. *ACS Applied Materials & Interfaces*, **2012**, 4, 6849-56	9.5	64
386	Dielectrophoresis of cellulose nanocrystals and alignment in ultrathin films by electric field-assisted shear assembly. *Journal of Colloid and Interface Science*, **2011**, 363, 206-12	9.3	64
385	Techno-Economic Assessment, Scalability, and Applications of Aerosol Lignin Micro- and Nanoparticles. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 11853-11868	8.3	63
384	Preferential adsorption and activity of monocomponent cellulases on lignocellulose thin films with varying lignin content. *Biomacromolecules*, **2013**, 14, 1231-9	6.9	63
383	Black liquor lignin biodegradation by Trametes elegans. *International Biodeterioration and Biodegradation*, **2003**, 52, 167-173	4.8	63
382	Conversion Economics of Forest Biomaterials: Risk and Financial Analysis of CNC Manufacturing. *Biofuels, Bioproducts and Biorefining*, **2017**, 11, 682-700	5.3	62
381	Self-Assembled Networks of Short and Long Chitin Nanoparticles for Oil/Water Interfacial Superstabilization. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 6497-6511	8.3	61
380	Anomalous-Diffusion-Assisted Brightness in White Cellulose Nanofibril Membranes. *Advanced Materials*, **2018**, 30, e1704050	24	61
379	Plant Nanomaterials and Inspiration from Nature: Water Interactions and Hierarchically Structured Hydrogels. *Advanced Materials*, **2021**, 33, e2001085	24	60
378	Adsorption of a nonionic symmetric triblock copolymer on surfaces with different hydrophobicity. *Langmuir*, **2010**, 26, 9565-74	4	60
377	Effect of Different Carbon Sources on Bacterial Nanocellulose Production and Structure Using the Low pH Resistant Strain Komagataeibacter Medellinensis. *Materials*, **2017**, 10,	3.5	59
376	Nanocellulose/LiCl systems enable conductive and stretchable electrolyte hydrogels with tolerance to dehydration and extreme cold conditions. *Chemical Engineering Journal*, **2021**, 408, 127306	14.7	59
375	Oil-in-water Pickering emulsions via microfluidization with cellulose nanocrystals: 2. In vitro lipid digestion. *Food Hydrocolloids*, **2019**, 96, 709-716	10.6	58
374	On the surface interactions of proteins with lignin. *ACS Applied Materials & Interfaces*, **2013**, 5, 199-206	9.5	58
373	Surface forces and measuring techniques. *International Journal of Mineral Processing*, **1999**, 56, 1-30		58
372	Formulation and Stabilization of Concentrated Edible Oil-in-Water Emulsions Based on Electrostatic Complexes of a Food-Grade Cationic Surfactant (Ethyl Lauroyl Arginate) and Cellulose Nanocrystals. *Biomacromolecules*, **2018**, 19, 1674-1685	6.9	57
371	Generation and properties of antibacterial coatings based on electrostatic attachment of silver nanoparticles to protein-coated polypropylene fibers. *ACS Applied Materials & Interfaces*, **2013**, 5, 5298-306	9.5	57

370	Supramolecular assemblies of lignin into nano- and microparticles. *MRS Bulletin*, **2017**, 42, 371-378	3.2	56
369	Magneto-responsive hybrid materials based on cellulose nanocrystals. *Cellulose*, **2014**, 21, 2557-2566	5.5	56
368	Bioactive cellulose nanofibrils for specific human IgG binding. *Biomacromolecules*, **2013**, 14, 4161-8	6.9	56
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364	Cilia-mimetic hairy surfaces based on end-immobilized nanocellulose colloidal rods. *Biomacromolecules*, **2013**, 14, 2807-13	6.9	54
363	Cellulosic Substrates for Removal of Pollutants from Aqueous Systems: A Review. 3. Spilled Oil and Emulsified Organic Liquids. *BioResources*, **2013**, 8,	1.3	54
362	Mesoporous carbon soft-templated from lignin nanofiber networks: microphase separation boosts supercapacitance in conductive electrodes. *RSC Advances*, **2016**, 6, 85802-85810	3.7	53
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360	X-ray Photoelectron Spectroscopy in the Study of Polyelectrolyte Adsorption on Mica and Cellulose. *Journal of Physical Chemistry B*, **2000**, 104, 10032-10042	3.4	53
359	Cellulose micro- and nanofibrils (CMNF) manufacturing - financial and risk assessment. *Biofuels, Bioproducts and Biorefining*, **2018**, 12, 251-264	5.3	53
358	Short-range interactions between non-ionic surfactant layers. *Physical Chemistry Chemical Physics*, **2006**, 8, 5501-14	3.6	52
357	Lignin nano- and microparticles as template for nanostructured materials: formation of hollow metal-phenolic capsules. *Green Chemistry*, **2018**, 20, 1335-1344	10	51
356	Nanocellulose/bioactive glass cryogels as scaffolds for bone regeneration. *Nanoscale*, **2019**, 11, 19842-19849	7.7	51
355	Milk fat globules and associated membranes: Colloidal properties and processing effects. *Advances in Colloid and Interface Science*, **2017**, 245, 92-101	14.3	50
354	Comparative study of cellulosic components isolated from different Eucalyptus species. *Cellulose*, **2018**, 25, 1011-1029	5.5	50
353	A Review of Cellulose and Cellulose Blends for Preparation of Bio-derived and Conventional Membranes, Nanostructured Thin Films, and Composites. *Polymer Reviews*, **2018**, 58, 102-163	14	50

352	Asymmetric cellulose nanocrystals: thiolation of reducing end groups via NHS□EDC coupling. *Cellulose*, **2014**, 21, 4209-4218	5.5	50
351	Microbeads and hollow microcapsules obtained by self-assembly of pickering magneto-responsive cellulose nanocrystals. *ACS Applied Materials & Interfaces*, **2014**, 6, 16851-8	9.5	50
350	Green Modification of Surface Characteristics of Cellulosic Materials at the Molecular or Nano Scale: A Review. *BioResources*, **2015**, 10,	1.3	50
349	Oil spills abatement: factors affecting oil uptake by cellulosic fibers. *Environmental Science & Technology*, **2012**, 46, 7725-30	10.3	49
348	Formation and antifouling properties of amphiphilic coatings on polypropylene fibers. *Biomacromolecules*, **2012**, 13, 3769-79	6.9	49
347	Polyelectrolytes as adhesion modifiers. *Advances in Colloid and Interface Science*, **2003**, 104, 53-74	14.3	49
346	Acetylated Nanocellulose for Single-Component Bioinks and Cell Proliferation on 3D-Printed Scaffolds. *Biomacromolecules*, **2019**, 20, 2770-2778	6.9	48
345	Microemulsion systems for fiber deconstruction into cellulose nanofibrils. *ACS Applied Materials & Interfaces*, **2014**, 6, 22622-7	9.5	48
344	Adsorption and association of a symmetric PEO-PPO-PEO triblock copolymer on polypropylene, polyethylene, and cellulose surfaces. *ACS Applied Materials & Interfaces*, **2011**, 3, 2349-57	9.5	48
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338	Low Solids Emulsion Gels Based on Nanocellulose for 3D-Printing. *Biomacromolecules*, **2019**, 20, 635-644	6.9	45
337	Highly Transparent, Strong, and Flexible Films with Modified Cellulose Nanofiber Bearing UV Shielding Property. *Biomacromolecules*, **2018**, 19, 4565-4575	6.9	44
336	Control of tacky deposits on paper machines □A review. *Nordic Pulp and Paper Research Journal*, **2006**, 21, 154-171	1.1	43
335	High Axial Ratio Nanochitins for Ultrastrong and Shape-Recoverable Hydrogels and Cryogels via Ice Templating. *ACS Nano*, **2019**, 13, 2927-2935	16.7	41

334	Absorbent Filaments from Cellulose Nanofibril Hydrogels through Continuous Coaxial Wet Spinning. *ACS Applied Materials & Interfaces*, **2018**, 10, 27287-27296	9.5	41
333	Complexes of Magnetic Nanoparticles with Cellulose Nanocrystals as Regenerable, Highly Efficient, and Selective Platform for Protein Separation. *Biomacromolecules*, **2017**, 18, 898-905	6.9	40
332	Biogenic silica nanoparticles loaded with neem bark extract as green, slow-release biocide. *Journal of Cleaner Production*, **2017**, 142, 4206-4213	10.3	40
331	Physical, thermal, chemical and rheological characterization of cellulosic microfibrils and microparticles produced from soybean hulls. *Industrial Crops and Products*, **2016**, 84, 337-343	5.9	40
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329	Interactions between nonpolar surfaces coated with the nonionic surfactant hexaoxyethylene dodecyl ether C12E6 and the origin of surface charges at the air/water interface. *Langmuir*, **2004**, 20, 4977-88	4	40
328	Curdlan cryogels reinforced with cellulose nanofibrils for controlled release. *Journal of Environmental Chemical Engineering*, **2017**, 5, 5754-5761	6.8	39
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326	Attachment of gold nanoparticles on cellulose nanofibrils via click reactions and electrostatic interactions. *Cellulose*, **2016**, 23, 3065-3075	5.5	38
325	Three-Dimensional Printed Cell Culture Model Based on Spherical Colloidal Lignin Particles and Cellulose Nanofibril-Alginate Hydrogel. *Biomacromolecules*, **2020**, 21, 1875-1885	6.9	38
324	Two-Phase Emulgels for Direct Ink Writing of Skin-Bearing Architectures. *Advanced Functional Materials*, **2019**, 29, 1902990	15.6	37
323	Antioxidant and Thermal Stabilization of Polypropylene by Addition of Butylated Lignin at Low Loadings. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 5248-5257	8.3	37
322	Conductive Carbon Microfibers Derived from Wet-Spun Lignin/Nanocellulose Hydrogels. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 6013-6022	8.3	36
321	Featherlight, Mechanically Robust Cellulose Ester Aerogels for Environmental Remediation. *ACS Omega*, **2017**, 2, 4297-4305	3.9	36
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317	Specific binding of immunoglobulin G with bioactive short peptides supported on antifouling copolymer layers for detection in quartz crystal microgravimetry and surface plasmon resonance. *Analytical Chemistry*, **2013**, 85, 1106-13	7.8	35

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315	Water-wettable polypropylene fibers by facile surface treatment based on soy proteins. *ACS Applied Materials & Interfaces*, **2013**, 5, 6541-8	9.5	35
314	Quantification of cellulase activity using the quartz crystal microbalance technique. *Analytical Chemistry*, **2009**, 81, 1872-80	7.8	35
313	Exploiting Supramolecular Interactions from Polymeric Colloids for Strong Anisotropic Adhesion between Solid Surfaces. *Advanced Materials*, **2020**, 32, e1906886	24	34
312	Starch-Based Biofoams Reinforced with Lignocellulose Nanofibrils from Residual Palm Empty Fruit Bunches: Water Sorption and Mechanical Strength. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 5546-5552	8.3	34
311	Affibody conjugation onto bacterial cellulose tubes and bioseparation of human serum albumin. *RSC Advances*, **2014**, 4, 51440-51450	3.7	34
310	Quantitative 31P NMR detection of oxygen-centered and carbon-centered radical species. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 4017-28	3.4	34
309	A method for the heterogeneous modification of nanofibrillar cellulose in aqueous media. *Carbohydrate Polymers*, **2014**, 100, 107-15	10.3	33
308	In situ monitoring of cellulase activity by microgravimetry with a quartz crystal microbalance. *Journal of Physical Chemistry B*, **2009**, 113, 14761-8	3.4	33
307	Optical Properties of Self-Assembled Cellulose Nanocrystals Films Suspended at Planar-Symmetrical Interfaces. *Small*, **2017**, 13, 1702084	11	32
306	Continuous Metal□Organic Framework Biomineralization on Cellulose Nanocrystals: Extrusion of Functional Composite Filaments. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 6287-6294	8.3	32
305	Morphological and Thermochemical Changes upon Autohydrolysis and Microemulsion Treatments of Coir and Empty Fruit Bunch Residual Biomass to Isolate Lignin-Rich Micro- and Nanofibrillar Cellulose. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 2483-2492	8.3	31
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303	The Dispersion Science of Papermaking. *Journal of Dispersion Science and Technology*, **2005**, 25, 713-732	1.5	31
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301	Adsorption of polysaccharide wet-end additives in papermaking systems. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **1999**, 155, 419-432	5.1	31
300	Foliage adhesion and interactions with particulate delivery systems for plant nanobionics and intelligent agriculture. *Nano Today*, **2021**, 37, 101078	17.9	31
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