

Tiffany Abitbol

List of Publications by Citations

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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.

29
papers

1,453
citations

16
h-index

33
g-index

33
ext. papers

1,745
ext. citations

6.1
avg, IF

4.85
L-index

#	Paper	IF	Citations
29	Nanocellulose, a tiny fiber with huge applications. <i>Current Opinion in Biotechnology</i> , 2016 , 39, 76-88	11.4	530
28	Estimation of the surface sulfur content of cellulose nanocrystals prepared by sulfuric acid hydrolysis. <i>Cellulose</i> , 2013 , 20, 785-794	5.5	175
27	Reinforcement with cellulose nanocrystals of poly(vinyl alcohol) hydrogels prepared by cyclic freezing and thawing. <i>Soft Matter</i> , 2011 , 7, 2373	3.6	154
26	Fluorescent labeling and characterization of cellulose nanocrystals with varying charge contents. <i>Biomacromolecules</i> , 2013 , 14, 3278-84	6.9	95
25	Surface Charge Influence on the Phase Separation and Viscosity of Cellulose Nanocrystals. <i>Langmuir</i> , 2018 , 34, 3925-3933	4	72
24	Surface modification of cellulose nanocrystals with cetyltrimethylammonium bromide. <i>Nordic Pulp and Paper Research Journal</i> , 2014 , 29, 46-57	1.1	67
23	Continuous Processing of Nanocellulose and Polylactic Acid into Multilayer Barrier Coatings. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 11920-11927	9.5	52
22	Mycelium bio-composites in industrial design and architecture: Comparative review and experimental analysis. <i>Journal of Cleaner Production</i> , 2020 , 246, 119037	10.3	45
21	Hybrid fluorescent nanoparticles from quantum dots coupled to cellulose nanocrystals. <i>Cellulose</i> , 2017 , 24, 1287-1293	5.5	32
20	CdSe/ZnS QDs Embedded in Cellulose Triacetate Films with Hydrophilic Surfaces. <i>Chemistry of Materials</i> , 2007 , 19, 4270-4276	9.6	29
19	Direct Cryo Writing of Aerogels Via 3D Printing of Aligned Cellulose Nanocrystals Inspired by the Plant Cell Wall. <i>Colloids and Interfaces</i> , 2019 , 3, 46	3	28
18	Continuous roll-to-roll coating of cellulose nanocrystals onto paperboard. <i>Cellulose</i> , 2018 , 25, 6055-6069	5.5	26
17	Bionanocomposite Films from Resilin-CBD Bound to Cellulose Nanocrystals. <i>Industrial Biotechnology</i> , 2015 , 11, 44-58	1.3	23
16	Incorporation into paper of cellulose triacetate films containing semiconductor nanoparticles. <i>Cellulose</i> , 2009 , 16, 319-326	5.5	20
15	Electrospinning of fluorescent fibers from CdSe/ZnS quantum dots in cellulose triacetate. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 803-810	2.9	19
14	Human Dermal Fibroblast Viability and Adhesion on Cellulose Nanomaterial Coatings: Influence of Surface Characteristics. <i>Biomacromolecules</i> , 2020 , 21, 1560-1567	6.9	17
13	Chiral Nematic Self-Assembly of Cellulose Nanocrystals in Suspensions and Solid Films. <i>Materials and Energy</i> , 2014 , 37-56		14

12	Nanocellulose-Based Hybrid Materials for UV Blocking and Mechanically Robust Barriers.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2245-2254	4.1	13
11	Comparison of nanocrystalline cellulose and fumed silica in latex coatings. <i>Green Materials</i> , 2014 , 2, 206-221	3.21	11
10	Biofabrication of Nanocellulose-Mycelium Hybrid Materials. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2000136	3.9	11
9	Plant-based Structures as an Opportunity to Engineer Optical Functions in next-generation Light Management. <i>Advanced Materials</i> , 2021 , e2104473	24	6
8	Fluorescently labeled cellulose nanofibrils for detection and loss analysis. <i>Carbohydrate Polymers</i> , 2020 , 250, 116943	10.3	4
7	Directed Assembly of Oriented Cellulose Nanocrystal Films. <i>Materials and Energy</i> , 2014 , 79-103		3
6	Cellulose nanocrystal/low methoxyl pectin gels produced by internal ionotropic gelation. <i>Carbohydrate Polymers</i> , 2021 , 260, 117345	10.3	2
5	State of the art, recent advances, and challenges in the field of fungal mycelium materials: a snapshot of the 2021 Mini Meeting. <i>Fungal Biology and Biotechnology</i> , 2021 , 8, 12	7.5	1
4	Visualization of nanostructural dislocations in microcrystalline cellulose fibrils through super-resolution fluorescence microscopy. <i>Microscopy and Microanalysis</i> , 2021 , 27, 854-857	0.5	1
3	Bioconversion of food waste to biocompatible wet-laid fungal films. <i>Materials and Design</i> , 2022 , 216, 110534	8.1	1
2	The nanocellulose family 2021 , 1-14		0
1	Influence of mineral coatings on fibroblast behaviour: The importance of coating formulation and experimental design. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 208, 112059	6	