

Cyprien Mauroy

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4236690/cyprien-mauroy-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

40
papers

1,034
citations

16
h-index

31
g-index

44
ext. papers

1,225
ext. citations

6.6
avg. IF

4.67
L-index

#	Paper	IF	Citations
40	Surfactant-free high internal phase emulsions stabilized by cellulose nanocrystals. <i>Biomacromolecules</i> , 2013 , 14, 291-6	6.9	312
39	Cellulose nanocrystal-assisted dispersion of luminescent single-walled carbon nanotubes for layer-by-layer assembled hybrid thin films. <i>Langmuir</i> , 2012 , 28, 12463-71	4	99
38	Elaboration of spin-coated cellulose-xyloglucan multilayered thin films. <i>Langmuir</i> , 2010 , 26, 17248-55	4	52
37	Improved colloidal stability of bacterial cellulose nanocrystal suspensions for the elaboration of spin-coated cellulose-based model surfaces. <i>Biomacromolecules</i> , 2010 , 11, 3144-51	6.9	50
36	Kinetic aspects of the adsorption of xyloglucan onto cellulose nanocrystals. <i>Soft Matter</i> , 2015 , 11, 6472-81	3.6	43
35	Xyloglucan-cellulose nanocrystal multilayered films: effect of film architecture on enzymatic hydrolysis. <i>Biomacromolecules</i> , 2013 , 14, 3599-609	6.9	40
34	Tuning the architecture of cellulose nanocrystal-poly(allylamine hydrochloride) multilayered thin films: influence of dipping parameters. <i>Langmuir</i> , 2012 , 28, 10425-36	4	40
33	Tuning supramolecular interactions of cellulose nanocrystals to design innovative functional materials. <i>Industrial Crops and Products</i> , 2016 , 93, 96-107	5.9	38
32	Coloured semi-reflective thin films for biomass-hydrolyzing enzyme detection. <i>Advanced Materials</i> , 2011 , 23, 3791-5	24	32
31	Influence of the carbohydrate-binding module on the activity of a fungal AA9 lytic polysaccharide monoxygenase on cellulosic substrates. <i>Biotechnology for Biofuels</i> , 2019 , 12, 206	7.8	31
30	Chitin nanocrystal-xyloglucan multilayer thin films. <i>Biomacromolecules</i> , 2014 , 15, 188-94	6.9	26
29	Elaboration of multilayered thin films based on cellulose nanocrystals and cationic xylans: application to xylanase activity detection. <i>Holzforschung</i> , 2013 , 67, 579-586	2	22
28	Exploring architecture of xyloglucan cellulose nanocrystal complexes through enzyme susceptibility at different adsorption regimes. <i>Biomacromolecules</i> , 2015 , 16, 589-96	6.9	21
27	Cellulose nanofibril-based multilayered thin films: effect of ionic strength on porosity, swelling, and optical properties. <i>Langmuir</i> , 2014 , 30, 8091-100	4	19
26	Meaning of xylan acetylation on xylan-cellulose interactions: A quartz crystal microbalance with dissipation (QCM-D) and molecular dynamic study. <i>Carbohydrate Polymers</i> , 2019 , 226, 115315	10.3	17
25	Effect of xyloglucan molar mass on its assembly onto the cellulose surface and its enzymatic susceptibility. <i>Carbohydrate Polymers</i> , 2017 , 157, 1105-1112	10.3	16
24	Influence of cellulose nanocrystals concentration and ionic strength on the elaboration of cellulose nanocrystals-xyloglucan multilayered thin films. <i>Journal of Colloid and Interface Science</i> , 2015 , 460, 214-20	9.3	16

23	Star-like Supramolecular Complexes of Reducing-End-Functionalized Cellulose Nanocrystals. <i>ACS Omega</i> , 2018 , 3, 16203-16211	3.9	16
22	Concentration driven cocrystallisation and percolation in all-cellulose nanocomposites. <i>Cellulose</i> , 2016 , 23, 529-543	5.5	15
21	Relationship between Young's Modulus and Film Architecture in Cellulose Nanofibril-Based Multilayered Thin Films. <i>Langmuir</i> , 2017 , 33, 4138-4145	4	14
20	Elaboration of Cellulose Nanocrystal/Ge-Imogolite Nanotube Multilayered Thin Films. <i>Langmuir</i> , 2018 , 34, 3386-3394	4	13
19	Plant cell wall inspired xyloglucan/cellulose nanocrystals aerogels produced by freeze-casting. <i>Carbohydrate Polymers</i> , 2020 , 247, 116642	10.3	12
18	Nano-structured cellulose nanocrystals-xyloglucan multilayered films for the detection of cellulase activity. <i>European Physical Journal: Special Topics</i> , 2012 , 213, 291-294	2.3	11
17	Sustainable Modification of Carboxymethyl Cellulose by Passerini Three-Component Reaction and Subsequent Adsorption onto Cellulosic Substrates. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 14685-14696	8.3	10
16	Arabinoxylan/Cellulose Nanocrystal Hydrogels with Tunable Mechanical Properties. <i>Langmuir</i> , 2019 , 35, 13427-13434	4	9
15	Asymmetric modification of cellulose nanocrystals with PAMAM dendrimers for the preparation of pH-responsive hairy surfaces. <i>Carbohydrate Polymers</i> , 2020 , 249, 116779	10.3	8
14	Influence of Xyloglucan Molar Mass on Rheological Properties of Cellulose Nanocrystal/Xyloglucan Hydrogels. <i>Journal of Renewable Materials</i> , 2019 , 7, 1381-1390	2.4	6
13	Adsorption Behavior of Reducing End-Modified Cellulose Nanocrystals: A Kinetic Study Using Quartz Crystal Microbalance. <i>Journal of Renewable Materials</i> , 2020 , 8, 29-43	2.4	5
12	Xyloglucan Structure Impacts the Mechanical Properties of Xyloglucan-Cellulose Nanocrystal Layered Films-A Buckling-Based Study. <i>Biomacromolecules</i> , 2020 , 21, 3898-3908	6.9	5
11	Hierarchical thermoplastic biocomposites reinforced with flax fibres modified by xyloglucan and cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2021 , 254, 117403	10.3	5
10	Bioinspired Thermo-responsive Xyloglucan-Cellulose Nanocrystal Hydrogels. <i>Biomacromolecules</i> , 2021 , 22, 743-753	6.9	5
9	The SERENADE project; a step forward in the safe by design process of nanomaterials: The benefits of a diverse and interdisciplinary approach. <i>Nano Today</i> , 2021 , 37, 101065	17.9	4
8	Influence of arabinoxylan on the drying of cellulose nanocrystals suspension: From coffee ring to Maltese cross pattern and application to enzymatic detection. <i>Journal of Colloid and Interface Science</i> , 2021 , 587, 727-735	9.3	4
7	Cellulose Nanofibrils/Xyloglucan Bio-Based Aerogels with Shape Recovery. <i>Gels</i> , 2021 , 7,	4.2	4
6	Cellulose Nanocrystal-Fibrin Nanocomposite Hydrogels Promoting Myotube Formation. <i>Biomacromolecules</i> , 2021 , 22, 2740-2753	6.9	3

5	Development of Bio-Inspired Hierarchical Fibres to Tailor the Fibre/Matrix Interphase in (Bio)composites. <i>Polymers</i> , 2021 , 13,	4.5	3
4	Dextran-based polyelectrolyte multilayers: Effect of charge density on film build-up and morphology. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 210, 112258	6	2
3	Divergent growth of poly(amidoamine) dendrimer-like branched polymers at the reducing end of cellulose nanocrystals.. <i>Carbohydrate Polymers</i> , 2022 , 279, 119008	10.3	2
2	pH-Responsive Properties of Asymmetric Nanopapers of Nanofibrillated Cellulose. <i>Nanomaterials</i> , 2020 , 10,	5.4	2
1	Multicriteria Definition of Small-Scale Biorefineries Based on a Statistical Classification. <i>Sustainability</i> , 2021 , 13, 7310	3.6	2