

Christina Schtz

List of Publications by Citations

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27
papers

1,717
citations

17
h-index

27
g-index

27
ext. papers

1,962
ext. citations

6
avg, IF

4.71
L-index

#	Paper	IF	Citations
27	Cellulose nanocrystal-based materials: from liquid crystal self-assembly and glass formation to multifunctional thin films. <i>NPG Asia Materials</i> , 2014 , 6, e80-e80	10.3	554
26	Understanding nanocellulose chirality and structure-properties relationship at the single fibril level. <i>Nature Communications</i> , 2015 , 6, 7564	17.4	290
25	Rod Packing in Chiral Nematic Cellulose Nanocrystal Dispersions Studied by Small-Angle X-ray Scattering and Laser Diffraction. <i>Langmuir</i> , 2015 , 31, 6507-13	4	137
24	Macroscopic control of helix orientation in films dried from cholesteric liquid-crystalline cellulose nanocrystal suspensions. <i>ChemPhysChem</i> , 2014 , 15, 1477-84	3.2	112
23	Carbon aerogels from bacterial nanocellulose as anodes for lithium ion batteries. <i>RSC Advances</i> , 2014 , 4, 17549	3.7	105
22	Hard and transparent films formed by nanocellulose-TiO ₂ nanoparticle hybrids. <i>PLoS ONE</i> , 2012 , 7, e45838	3.9	70
21	Influence of the Particle Concentration and Marangoni Flow on the Formation of Cellulose Nanocrystal Films. <i>Langmuir</i> , 2017 , 33, 228-234	4	66
20	Fractionation of cellulose nanocrystals: enhancing liquid crystal ordering without promoting gelation. <i>NPG Asia Materials</i> , 2018 , 10, 455-465	10.3	51
19	From Equilibrium Liquid Crystal Formation and Kinetic Arrest to Photonic Bandgap Films Using Suspensions of Cellulose Nanocrystals. <i>Crystals</i> , 2020 , 10, 199	2.3	44
18	Confined self-assembly of cellulose nanocrystals in a shrinking droplet. <i>Soft Matter</i> , 2015 , 11, 5374-80	3.6	34
17	Thermodynamic Study of the Interaction of Bovine Serum Albumin and Amino Acids with Cellulose Nanocrystals. <i>Langmuir</i> , 2017 , 33, 5473-5481	4	31
16	Correlation between structural properties and iridescent colors of cellulose nanocrystalline films. <i>Cellulose</i> , 2016 , 23, 3601-3609	5.5	28
15	Effect of Source on the Properties and Behavior of Cellulose Nanocrystal Suspensions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8317-8324	8.3	27
14	Nanoscale Assembly of Cellulose Nanocrystals during Drying and Redispersion. <i>ACS Macro Letters</i> , 2018 , 7, 172-177	6.6	25
13	A CaCO ₃ /nanocellulose-based bioinspired nacre-like material. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16128-16133	13	23
12	Assembly of cellulose nanocrystals in a levitating drop probed by time-resolved small angle X-ray scattering. <i>Nanoscale</i> , 2018 , 10, 18113-18118	7.7	19
11	One-pot functionalization of cellulose nanocrystals with various cationic groups. <i>Cellulose</i> , 2016 , 23, 3569-3576	5.5	17

10	Thermodynamic Study of Ion-Driven Aggregation of Cellulose Nanocrystals. <i>Biomacromolecules</i> , 2019 , 20, 3181-3190	6.9	17
9	Assembly, Gelation, and Helicoidal Consolidation of Nanocellulose Dispersions. <i>Langmuir</i> , 2019 , 35, 3600-3606	4.3	15
8	Anisotropic Diffusion and Phase Behavior of Cellulose Nanocrystal Suspensions. <i>Langmuir</i> , 2019 , 35, 2289-2302	4	14
7	Functionalization and patterning of nanocellulose films by surface-bound nanoparticles of hydrolyzable tannins and multivalent metal ions. <i>Nanoscale</i> , 2019 , 11, 19278-19284	7.7	10
6	Inducing nematic ordering of cellulose nanofibers using osmotic dehydration. <i>Nanoscale</i> , 2018 , 10, 23157-23163	7.7	10
5	On the role of tannins and iron in the Bogolan or mud cloth dyeing process. <i>Textile Research Journal</i> , 2012 , 82, 1888-1896	1.7	7
4	SANS study of mixed cholesteric cellulose nanocrystal - gold nanorod suspensions. <i>Chemical Communications</i> , 2020 , 56, 13001-13004	5.8	6
3	Surface Chemistry and Characterization of Cellulose Nanocrystals 2018 , 223-252		3
2	Synthesis, characterization, structures and in vitro antitumor activity of platinum(II) complexes bearing adeninato or methylated adeninato ligands. <i>Inorganica Chimica Acta</i> , 2020 , 507, 119539	2.7	1
1	Cholesteric liquid crystal formation in suspensions of cellulose nanocrystals. <i>Series in Sof Condensed Matter</i> , 2016 , 871-897		1