Christina Schtz

List of Publications by Year in Descending Order

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	From Equilibrium Liquid Crystal Formation and Kinetic Arrest to Photonic Bandgap Films Using Suspensions of Cellulose Nanocrystals. *Crystals*, **2020**, 10, 199	2.3	44
26	Synthesis, characterization, structures and in vitro antitumor activity of platinum(II) complexes bearing adeninato or methylated adeninato ligands. *Inorganica Chimica Acta*, **2020**, 507, 119539	2.7	1
25	SANS study of mixed cholesteric cellulose nanocrystal - gold nanorod suspensions. *Chemical Communications*, **2020**, 56, 13001-13004	5.8	6
24	Anisotropic Diffusion and Phase Behavior of Cellulose Nanocrystal Suspensions. *Langmuir*, **2019**, 35, 2289-2302	4	14
23	Assembly, Gelation, and Helicoidal Consolidation of Nanocellulose Dispersions. *Langmuir*, **2019**, 35, 3600-3606	4	15
22	Functionalization and patterning of nanocellulose films by surface-bound nanoparticles of hydrolyzable tannins and multivalent metal ions. *Nanoscale*, **2019**, 11, 19278-19284	7.7	10
21	Thermodynamic Study of Ion-Driven Aggregation of Cellulose Nanocrystals. *Biomacromolecules*, **2019**, 20, 3181-3190	6.9	17
20	Nanoscale Assembly of Cellulose Nanocrystals during Drying and Redispersion. *ACS Macro Letters*, **2018**, 7, 172-177	6.6	25
19	Inducing nematic ordering of cellulose nanofibers using osmotic dehydration. *Nanoscale*, **2018**, 10, 23157-23163	7.7	10
18	Surface Chemistry and Characterization of Cellulose Nanocrystals **2018**, 223-252		3
17	Assembly of cellulose nanocrystals in a levitating drop probed by time-resolved small angle X-ray scattering. *Nanoscale*, **2018**, 10, 18113-18118	7.7	19
16	Fractionation of cellulose nanocrystals: enhancing liquid crystal ordering without promoting gelation. *NPG Asia Materials*, **2018**, 10, 455-465	10.3	51
15	Effect of Source on the Properties and Behavior of Cellulose Nanocrystal Suspensions. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 8317-8324	8.3	27
14	A CaCO3/nanocellulose-based bioinspired nacre-like material. *Journal of Materials Chemistry A*, **2017**, 5, 16128-16133	13	23
13	Thermodynamic Study of the Interaction of Bovine Serum Albumin and Amino Acids with Cellulose Nanocrystals. *Langmuir*, **2017**, 33, 5473-5481	4	31
12	Influence of the Particle Concentration and Marangoni Flow on the Formation of Cellulose Nanocrystal Films. *Langmuir*, **2017**, 33, 228-234	4	66
11	One-pot functionalization of cellulose nanocrystals with various cationic groups. *Cellulose*, **2016**, 23, 3569-3576	5.5	17

10	Correlation between structural properties and iridescent colors of cellulose nanocrystalline films. *Cellulose*, **2016**, 23, 3601-3609	5.5	28
9	Cholesteric liquid crystal formation in suspensions of cellulose nanocrystals. *Series in Sof Condensed Matter*, **2016**, 871-897		1
8	Understanding nanocellulose chirality and structure-properties relationship at the single fibril level. *Nature Communications*, **2015**, 6, 7564	17.4	290
7	Rod Packing in Chiral Nematic Cellulose Nanocrystal Dispersions Studied by Small-Angle X-ray Scattering and Laser Diffraction. *Langmuir*, **2015**, 31, 6507-13	4	137
6	Confined self-assembly of cellulose nanocrystals in a shrinking droplet. *Soft Matter*, **2015**, 11, 5374-80	3.6	34
5	Macroscopic control of helix orientation in films dried from cholesteric liquid-crystalline cellulose nanocrystal suspensions. *ChemPhysChem*, **2014**, 15, 1477-84	3.2	112
4	Carbon aerogels from bacterial nanocellulose as anodes for lithium ion batteries. *RSC Advances*, **2014**, 4, 17549	3.7	105
3	Cellulose nanocrystal-based materials: from liquid crystal self-assembly and glass formation to multifunctional thin films. *NPG Asia Materials*, **2014**, 6, e80-e80	10.3	554
2	Hard and transparent films formed by nanocellulose-TiO2 nanoparticle hybrids. *PLoS ONE*, **2012**, 7, e45828	3.7	70
1	On the role of tannins and iron in the Bogolan or mud cloth dyeing process. *Textile Reseach Journal*, **2012**, 82, 1888-1896	1.7	7