Bruno Frka-Petesic

List of Publications by Citations

Source: https://exaly.com/author-pdf/1219/bruno-frka-petesic-publications-by-citations.pdf
Version: 2024-04-23

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.

32 papers	1,309 citations	19 h-index	33 g-index
33 ext. papers	1,624 ext. citations	12.2 avg, IF	4.92 L-index

#	Paper	IF	Citations
32	The Self-Assembly of Cellulose Nanocrystals: Hierarchical Design of Visual Appearance. *Advanced Materials*, **2018**, 30, e1704477	24	240
31	Hierarchical Self-Assembly of Cellulose Nanocrystals in a Confined Geometry. *ACS Nano*, **2016**, 10, 8443-9	16.7	122
30	Controlling the Photonic Properties of Cholesteric Cellulose Nanocrystal Films with Magnets. *Advanced Materials*, **2017**, 29, 1701469	24	117
29	Dynamically Controlled Iridescence of Cholesteric Cellulose Nanocrystal Suspensions Using Electric Fields. *Advanced Materials*, **2017**, 29, 1606208	24	92
28	Electrostatic Co-Assembly of Iron Oxide Nanoparticles and Polymers: Towards the Generation of Highly Persistent Superparamagnetic Nanorods. *Advanced Materials*, **2008**, 20, 3877-3881	24	89
27	First experimental evidence of a giant permanent electric-dipole moment in cellulose nanocrystals. *Europhysics Letters*, **2014**, 107, 28006	1.6	71
26	Printing of Responsive Photonic Cellulose Nanocrystal Microfilm Arrays. *Advanced Functional Materials*, **2019**, 29, 1804531	15.6	66
25	Biocompatible and Sustainable Optical Strain Sensors for Large-Area Applications. *Advanced Optical Materials*, **2016**, 4, 1950-1954	8.1	65
24	Negative Diamagnetic Anisotropy and Birefringence of Cellulose Nanocrystals. *Macromolecules*, **2015**, 48, 8844-8857	5.5	61
23	Shape Memory Cellulose-Based Photonic Reflectors. *ACS Applied Materials & Interfaces*, **2016**, 8, 31935-31940	9.5	54
22	Dynamics of paramagnetic nanostructured rods under rotating field. *Journal of Magnetism and Magnetic Materials*, **2011**, 323, 1309-1313	2.8	39
21	Cellulose, so much more than paper. *Nature Photonics*, **2019**, 13, 365-367	33.9	38
20	Visual Appearance of Chiral Nematic Cellulose-Based Photonic Films: Angular and Polarization Independent Color Response with a Twist. *Advanced Materials*, **2019**, 31, e1905151	24	30
19	The angular optical response of cellulose nanocrystal films explained by the distortion of the arrested suspension upon drying. *Physical Review Materials*, **2019**, 3,	3.2	27
18	Controlling the Self-Assembly Behavior of Aqueous Chitin Nanocrystal Suspensions. *Biomacromolecules*, **2019**, 20, 2830-2838	6.9	26
17	Universal scattering behavior of coassembled nanoparticle-polymer clusters. *Physical Review E*, **2008**, 78, 040401	2.4	26
16	Large-scale fabrication of structurally coloured cellulose nanocrystal films and effect pigments. *Nature Materials*, **2021**,	27	23

15	Retrieving the Coassembly Pathway of Composite Cellulose Nanocrystal Photonic Films from their Angular Optical Response. *Advanced Materials*, **2020**, 32, e1906889	24	20
14	Aggregation of Antibody Drug Conjugates at Room Temperature: SAXS and Light Scattering Evidence for Colloidal Instability of a Specific Subpopulation. *Langmuir*, **2016**, 32, 4848-61	4	19
13	Cellulose Nanocrystal-Templated Tin Dioxide Thin Films for Gas Sensing. *ACS Applied Materials & Interfaces*, **2020**, 12, 12639-12647	9.5	13
12	Hyperspectral Imaging of Photonic Cellulose Nanocrystal Films: Structure of Local Defects and Implications for Self-Assembly Pathways. *ACS Nano*, **2020**, 14, 15361-15373	16.7	13
11	Stabilization and controlled association of superparamagnetic nanoparticles using block copolymers. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 667-670	2.8	11
10	Incorporation of magnetic nanoparticles into lamellar polystyrene-b-poly(n-butyl methacrylate) diblock copolymer films: Influence of the chain end-groups on nanostructuration. *Polymer*, **2010**, 51, 4673-4685	3.9	10
9	Co-Assembly of Cellulose Nanocrystals and Silk Fibroin into Photonic Cholesteric Films. *Advanced Sustainable Systems*, **2021**, 5, 2000272	5.9	7
8	Small-Angle Neutron Scattering Reveals the Structural Details of Thermosensitive Polymer-Grafted Cellulose Nanocrystal Suspensions. *Langmuir*, **2020**, 36, 8511-8519	4	6
7	Reorientation kinetics of superparamagnetic nanostructured rods. *Journal of Physics Condensed Matter*, **2008**, 20, 494216	1.8	6
6	Chiral self-assembly of cellulose nanocrystals is driven by crystallite bundles.. *Nature Communications*, **2022**, 13, 2657	17.4	6
5	Modeling the cholesteric pitch of apolar cellulose nanocrystal suspensions using a chiral hard-bundle model.. *Journal of Chemical Physics*, **2022**, 156, 014904	3.9	4
4	Revealing the Structural Coloration of Self-Assembled Chitin Nanocrystal Films. *Advanced Materials*,2203300	24	3
3	Effect of thermal treatments on chiral nematic cellulose nanocrystal films. *Carbohydrate Polymers*, **2021**, 272, 118404	10.3	1
2	Orientational behavior of an assembly of superparmagnetic rods. *Physics Procedia*, **2010**, 9, 15-19		0
1	Neutron Reflectivity on Polymer Multilayers Doped with Magnetic Nanoparticles. *Solid State Phenomena*, **2009**, 152-153, 194-197	0.4	