

Samuel Eyley

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.

40
papers

1,411
citations

17
h-index

37
g-index

44
ext. papers

1,691
ext. citations

8.7
avg, IF

5.12
L-index

#	Paper	IF	Citations
40	Surface modification of cellulose nanocrystals. <i>Nanoscale</i> , 2014 , 6, 7764-79	7.7	500
39	Dual fluorescent labelling of cellulose nanocrystals for pH sensing. <i>Chemical Communications</i> , 2010 , 46, 8929-31	5.8	185
38	Imidazolium grafted cellulose nanocrystals for ion exchange applications. <i>Chemical Communications</i> , 2011 , 47, 4177-9	5.8	116
37	Highly charged cellulose-based nanocrystals as flocculants for harvesting <i>Chlorella vulgaris</i> . <i>Bioresource Technology</i> , 2015 , 194, 270-5	11	63
36	Ferrocene-decorated nanocrystalline cellulose with charge carrier mobility. <i>Langmuir</i> , 2012 , 28, 6514-9	4	55
35	CO ₂ -controlled flocculation of microalgae using pH responsive cellulose nanocrystals. <i>Nanoscale</i> , 2015 , 7, 14413-21	7.7	54
34	A facile one-pot route to cationic cellulose nanocrystals. <i>Nanoscale</i> , 2013 , 5, 10207-11	7.7	53
33	Electric-Field-Mediated Reversible Transformation between Supramolecular Networks and Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11404-11408	16.4	35
32	Self-Assembled Monolayers as Templates for Linearly Nanopatterned Covalent Chemical Functionalization of Graphite and Graphene Surfaces. <i>ACS Nano</i> , 2018 , 12, 11520-11528	16.7	32
31	Thermodynamic Study of the Interaction of Bovine Serum Albumin and Amino Acids with Cellulose Nanocrystals. <i>Langmuir</i> , 2017 , 33, 5473-5481	4	31
30	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
29	Cationic Cellulose Nanocrystals for Flocculation of Microalgae: Effect of Degree of Substitution and Crystallinity. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3394-3403	5.6	24
28	Graphite and Graphene Fairy Circles: A Bottom-Up Approach for the Formation of Nanocorrals. <i>ACS Nano</i> , 2019 , 13, 5559-5571	16.7	17
27	One-pot functionalization of cellulose nanocrystals with various cationic groups. <i>Cellulose</i> , 2016 , 23, 3569-3576	5.5	17
26	Synthesis of Novel Renewable Polyesters and Polyamides with Olefin Metathesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 5943-5952	8.3	17
25	Thermodynamic Study of Ion-Driven Aggregation of Cellulose Nanocrystals. <i>Biomacromolecules</i> , 2019 , 20, 3181-3190	6.9	17
24	Patience is a virtue: self-assembly and physico-chemical properties of cellulose nanocrystal allomorphs. <i>Nanoscale</i> , 2020 , 12, 17480-17493	7.7	17

23	Binary Mixed Homopolymer Brushes Tethered to Cellulose Nanocrystals: A Step Towards Compatibilized Polyester Blends. <i>Biomacromolecules</i> , 2016 , 17, 3048-59	6.9	15
22	Real-scale chlorination at pH4 of BW30 TFC membranes and their physicochemical characterization. <i>Journal of Membrane Science</i> , 2018 , 551, 123-135	9.6	14
21	Coumarin and carbazole fluorescently modified cellulose nanocrystals using a one-step esterification procedure. <i>Canadian Journal of Chemical Engineering</i> , 2016 , 94, 2186-2194	2.3	14
20	Covalent Functionalization of Carbon Surfaces: Diaryliodonium versus Aryldiazonium Chemistry. <i>Chemistry of Materials</i> , 2020 , 32, 5246-5255	9.6	13
19	Self-limiting covalent modification of carbon surfaces: diazonium chemistry with a twist. <i>Nanoscale</i> , 2020 , 12, 18782-18789	7.7	13
18	Iodide mediated reductive decomposition of diazonium salts: towards mild and efficient covalent functionalization of surface-supported graphene. <i>Nanoscale</i> , 2020 , 12, 11916-11926	7.7	11
17	Controlled chlorination of polyamide reverse osmosis membranes at real scale for enhanced desalination performance. <i>Journal of Membrane Science</i> , 2020 , 611, 118400	9.6	10
16	Multicomponent Covalent Chemical Patterning of Graphene. <i>ACS Nano</i> , 2021 , 15, 10618-10627	16.7	9
15	Covalent functionalization of molybdenum disulfide by chemically activated diazonium salts. <i>Nanoscale</i> , 2021 , 13, 2972-2981	7.7	8
14	Organocatalyzed ring opening polymerization of lactide from the surface of cellulose nanofibrils. <i>Carbohydrate Polymers</i> , 2020 , 250, 116974	10.3	7
13	Multi-layered nanoscale cellulose/CuInS sandwich type thin films. <i>Carbohydrate Polymers</i> , 2019 , 203, 219-227	10.3	7
12	Intrinsic five-photon non-linear absorption of two-dimensional BN and its conversion to two-photon absorption in the presence of photo-induced defects. <i>Optical Materials</i> , 2018 , 86, 414-420	3.3	7
11	The significant role of support layer solvent annealing in interfacial polymerization: The case of epoxide-based membranes. <i>Journal of Membrane Science</i> , 2020 , 612, 118438	9.6	5
10	Stabilising Ni catalysts for the dehydration-decarboxylation-hydrogenation of citric acid to methylsuccinic acid. <i>Green Chemistry</i> , 2017 , 19, 4642-4650	10	5
9	Novel heterogeneous ruthenium racemization catalyst for dynamic kinetic resolution of chiral aliphatic amines. <i>Green Chemistry</i> , 2020 , 22, 85-93	10	3
8	Surface Chemistry and Characterization of Cellulose Nanocrystals 2018 , 223-252		3
7	Effect of nitrogen doping in the few layer graphene cathode of an aluminum ion battery. <i>Chemical Physics Letters</i> , 2019 , 733, 136669	2.5	2
6	How Trace Impurities Can Strongly Affect the Hydroconversion of Biobased 5-Hydroxymethylfurfural?. <i>ACS Catalysis</i> , 2021 , 11, 9204-9209	13.1	1

5	Chlorine-Resistant Epoxide-Based Membranes for Sustainable Water Desalination. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 818-824	11	1
4	Colloidal Stability and Aggregation Mechanism in Aqueous Suspensions of TiO Nanoparticles Prepared by Sol-Gel Synthesis.. <i>Langmuir</i> , 2021 , 37, 14846-14855	4	1
3	Real-time adsorption of optical brightening agents on cellulose thin films. <i>Carbohydrate Polymers</i> , 2021 , 261, 117826	10.3	0
2	Synergistic effects of chloride anions and carboxylated cellulose nanocrystals on the assembly of thick three-dimensional high-performance polypyrrole-based electrodes. <i>Journal of Energy Chemistry</i> , 2022 , 70, 492-501	12	0
1	Grafting Ink for Direct Writing: Solvation Activated Covalent Functionalization of Graphene.. <i>Advanced Science</i> , 2022 , e2105017	13.6	0