Samuel Eyley

List of Publications by Year in Descending Order

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	Synergistic effects of chloride anions and carboxylated cellulose nanocrystals on the assembly of thick three-dimensional high-performance polypyrrole-based electrodes. *Journal of Energy Chemistry*, **2022**, 70, 492-501	12	0
39	Grafting Ink for Direct Writing: Solvation Activated Covalent Functionalization of Graphene.. *Advanced Science*, **2022**, e2105017	13.6	0
38	Multicomponent Covalent Chemical Patterning of Graphene. *ACS Nano*, **2021**, 15, 10618-10627	16.7	9
37	Real-time adsorption of optical brightening agents on cellulose thin films. *Carbohydrate Polymers*, **2021**, 261, 117826	10.3	0
36	Covalent functionalization of molybdenum disulfide by chemically activated diazonium salts. *Nanoscale*, **2021**, 13, 2972-2981	7.7	8
35	How Trace Impurities Can Strongly Affect the Hydroconversion of Biobased 5-Hydroxymethylfurfural?. *ACS Catalysis*, **2021**, 11, 9204-9209	13.1	1
34	Chlorine-Resistant Epoxide-Based Membranes for Sustainable Water Desalination. *Environmental Science and Technology Letters*, **2021**, 8, 818-824	11	1
33	Colloidal Stability and Aggregation Mechanism in Aqueous Suspensions of TiO Nanoparticles Prepared by Sol-Gel Synthesis.. *Langmuir*, **2021**, 37, 14846-14855	4	1
32	Iodide mediated reductive decomposition of diazonium salts: towards mild and efficient covalent functionalization of surface-supported graphene. *Nanoscale*, **2020**, 12, 11916-11926	7.7	11
31	Covalent Functionalization of Carbon Surfaces: Diaryliodonium versus Aryldiazonium Chemistry. *Chemistry of Materials*, **2020**, 32, 5246-5255	9.6	13
30	Controlled chlorination of polyamide reverse osmosis membranes at real scale for enhanced desalination performance. *Journal of Membrane Science*, **2020**, 611, 118400	9.6	10
29	The significant role of support layer solvent annealing in interfacial polymerization: The case of epoxide-based membranes. *Journal of Membrane Science*, **2020**, 612, 118438	9.6	5
28	Novel heterogeneous ruthenium racemization catalyst for dynamic kinetic resolution of chiral aliphatic amines. *Green Chemistry*, **2020**, 22, 85-93	10	3
27	Organocatalyzed ring opening polymerization of lactide from the surface of cellulose nanofibrils. *Carbohydrate Polymers*, **2020**, 250, 116974	10.3	7
26	Patience is a virtue: self-assembly and physico-chemical properties of cellulose nanocrystal allomorphs. *Nanoscale*, **2020**, 12, 17480-17493	7.7	17
25	Self-limiting covalent modification of carbon surfaces: diazonium chemistry with a twist. *Nanoscale*, **2020**, 12, 18782-18789	7.7	13
24	Effect of nitrogen doping in the few layer graphene cathode of an aluminum ion battery. *Chemical Physics Letters*, **2019**, 733, 136669	2.5	2

23	Cationic Cellulose Nanocrystals for Flocculation of Microalgae: Effect of Degree of Substitution and Crystallinity. *ACS Applied Nano Materials*, **2019**, 2, 3394-3403	5.6	24
22	Graphite and Graphene Fairy Circles: A Bottom-Up Approach for the Formation of Nanocorrals. *ACS Nano*, **2019**, 13, 5559-5571	16.7	17
21	Electric-Field-Mediated Reversible Transformation between Supramolecular Networks and Covalent Organic Frameworks. *Journal of the American Chemical Society*, **2019**, 141, 11404-11408	16.4	35
20	Thermodynamic Study of Ion-Driven Aggregation of Cellulose Nanocrystals. *Biomacromolecules*, **2019**, 20, 3181-3190	6.9	17
19	Multi-layered nanoscale cellulose/CuInS sandwich type thin films. *Carbohydrate Polymers*, **2019**, 203, 219-227	10.3	7
18	Real-scale chlorination at pH4 of BW30 TFC membranes and their physicochemical characterization. *Journal of Membrane Science*, **2018**, 551, 123-135	9.6	14
17	Surface Chemistry and Characterization of Cellulose Nanocrystals **2018**, 223-252		3
16	Self-Assembled Monolayers as Templates for Linearly Nanopatterned Covalent Chemical Functionalization of Graphite and Graphene Surfaces. *ACS Nano*, **2018**, 12, 11520-11528	16.7	32
15	Intrinsic five-photon non-linear absorption of two-dimensional BN and its conversion to two-photon absorption in the presence of photo-induced defects. *Optical Materials*, **2018**, 86, 414-420	3.3	7
14	Effect of Source on the Properties and Behavior of Cellulose Nanocrystal Suspensions. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 8317-8324	8.3	27
13	Thermodynamic Study of the Interaction of Bovine Serum Albumin and Amino Acids with Cellulose Nanocrystals. *Langmuir*, **2017**, 33, 5473-5481	4	31
12	Stabilising Ni catalysts for the dehydration–decarboxylation–hydrogenation of citric acid to methylsuccinic acid. *Green Chemistry*, **2017**, 19, 4642-4650	10	5
11	One-pot functionalization of cellulose nanocrystals with various cationic groups. *Cellulose*, **2016**, 23, 3569-3576	5.5	17
10	Binary Mixed Homopolymer Brushes Tethered to Cellulose Nanocrystals: A Step Towards Compatibilized Polyester Blends. *Biomacromolecules*, **2016**, 17, 3048-59	6.9	15
9	Synthesis of Novel Renewable Polyesters and Polyamides with Olefin Metathesis. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 5943-5952	8.3	17
8	Coumarin and carbazole fluorescently modified cellulose nanocrystals using a one-step esterification procedure. *Canadian Journal of Chemical Engineering*, **2016**, 94, 2186-2194	2.3	14
7	CO_2-controlled flocculation of microalgae using pH responsive cellulose nanocrystals. *Nanoscale*, **2015**, 7, 14413-21	7.7	54
6	Highly charged cellulose-based nanocrystals as flocculants for harvesting Chlorella vulgaris. *Bioresource Technology*, **2015**, 194, 270-5	11	63

5	Surface modification of cellulose nanocrystals. *Nanoscale*, **2014**, 6, 7764-79	7.7	500
4	A facile one-pot route to cationic cellulose nanocrystals. *Nanoscale*, **2013**, 5, 10207-11	7.7	53
3	Ferrocene-decorated nanocrystalline cellulose with charge carrier mobility. *Langmuir*, **2012**, 28, 6514-9	4	55
2	Imidazolium grafted cellulose nanocrystals for ion exchange applications. *Chemical Communications*, **2011**, 47, 4177-9	5.8	116
1	Dual fluorescent labelling of cellulose nanocrystals for pH sensing. *Chemical Communications*, **2010**, 46, 8929-31	5.8	185