Saffron J Bryant

List of Publications by Year
in descending order

28	501	758635 12	676716 22
papers	citations	h-index	g-index

28	28	28	423
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spontaneous vesicle formation in a deep eutectic solvent. Soft Matter, 2016, 12, 1645-1648.	1.2	64
2	The need for novel cryoprotectants and cryopreservation protocols: Insights into the importance of biophysical investigation and cell permeability. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129749.	1.1	59
3	Bulk and interfacial nanostructure and properties in deep eutectic solvents: Current perspectives and future directions. Journal of Colloid and Interface Science, 2022, 608, 2430-2454.	5.0	45
4	Effect of Deep Eutectic Solvent Nanostructure on Phospholipid Bilayer Phases. Langmuir, 2017, 33, 6878-6884.	1.6	43
5	Analysis of Pathogenic Bacterial and Yeast Biofilms Using the Combination of Synchrotron ATR-FTIR Microspectroscopy and Chemometric Approaches. Molecules, 2021, 26, 3890.	1.7	28
6	Effect of protic ionic liquid nanostructure on phospholipid vesicle formation. Soft Matter, 2017, 13, 1364-1370.	1.2	27
7	Nanostructure of a deep eutectic solvent at solid interfaces. Journal of Colloid and Interface Science, 2021, 591, 38-51.	5.0	27
8	Catanionic Surfactant Self-Assembly in Protic Ionic Liquids. Journal of Physical Chemistry Letters, 2020, 11, 5926-5931.	2.1	23
9	Deep eutectic solvents as cryoprotective agents for mammalian cells. Journal of Materials Chemistry B, 2022, 10, 4546-4560.	2.9	22
10	Cationic surfactants as a non-covalent linker for oxidised cellulose nanofibrils and starch-based hydrogels. Carbohydrate Polymers, 2020, 233, 115816.	5.1	18
11	Non-volatile conductive gels made from deep eutectic solvents and oxidised cellulose nanofibrils. Nanoscale Advances, 2021, 3, 2252-2260.	2.2	18
12	Catanionic and chain-packing effects on surfactant self-assembly in the ionic liquid ethylammonium nitrate. Journal of Colloid and Interface Science, 2019, 540, 515-523.	5.0	16
13	Micro- to nano-scale chemical and mechanical mapping of antimicrobial-resistant fungal biofilms. Nanoscale, 2020, 12, 19888-19904.	2.8	12
14	Filler size effect in an attractive fibrillated network: a structural and rheological perspective. Soft Matter, 2020, 16, 3303-3310.	1.2	12
15	Interactions of water and amphiphiles with deep eutectic solvent nanostructures. Advances in Botanical Research, 2021, 97, 41-68.	0.5	12
16	Selective ion transport across a lipid bilayer in a protic ionic liquid. Soft Matter, 2021, 17, 2688-2694.	1.2	10
17	Cryopreservation of mammalian cells using protic ionic liquid solutions. Journal of Colloid and Interface Science, 2021, 603, 491-500.	5.0	10
18	Bottom-up cubosome synthesis without organic solvents. Journal of Colloid and Interface Science, 2021, 601, 98-105.	5.0	9

#	Article	IF	Citations
19	Deep eutectic solvent in water pickering emulsions stabilised by cellulose nanofibrils. RSC Advances, 2020, 10, 37023-37027.	1.7	8
20	Illuminating the biochemical interaction of antimicrobial few-layer black phosphorus with microbial cells using synchrotron macro-ATR-FTIR. Journal of Materials Chemistry B, 2022, 10, 7527-7539.	2.9	8
21	Impact of wormlike micelles on nano and macroscopic structure of TEMPO-oxidized cellulose nanofibril hydrogels. Soft Matter, 2020, 16, 4887-4896.	1.2	7
22	The Impact of Water on the Lateral Nanostructure of a Deep Eutectic Solventâ€“Solid Interface. Australian Journal of Chemistry, 2022, 75, 111-125.	0.5	7
23	Structural and chemical heterogeneity in ancient glass probed using gas overcondensation, X-ray tomography, and solid-state NMR. Materials Characterization, 2020, 167, 110467.	1.9	5
24	Microstructural, Thermal, Crystallization, and Water Absorption Properties of Films Prepared from Neverâ€Đried and Freezeâ€Đried Cellulose Nanocrystals. Macromolecular Materials and Engineering, 2021, 306, 2000462.	1.7	3
25	Monovalent Salt and pH-Induced Gelation of Oxidised Cellulose Nanofibrils and Starch Networks: Combining Rheology and Small-Angle X-ray Scattering. Polymers, 2021, 13, 951.	2.0	3
26	Coreâ€“Shell Spheroidal Hydrogels Produced via Charge-Driven Interfacial Complexation. ACS Applied Polymer Materials, 2020, 2, 1213-1221.	2.0	2
27	Rheological modification of partially oxidised cellulose nanofibril gels with inorganic clays. PLoS ONE, 2021, 16, e0252660.	1.1	2
28	Interactions between Liquid Metal Droplets and Bacterial, Fungal, and Mammalian Cells (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	19	1