

Christopher S O bryan

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.

23
papers

758
citations

15
h-index

24
g-index

24
ext. papers

973
ext. citations

5.3
avg, IF

4.15
L-index

#	Paper	IF	Citations
23	Self-assembled micro-organogels for 3D printing silicone structures. <i>Science Advances</i> , 2017 , 3, e1602800	14.3	144
22	Liquid-like Solids Support Cells in 3D. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 1787-1795	5.5	77
21	Three-dimensional printing with sacrificial materials for soft matter manufacturing. <i>MRS Bulletin</i> , 2017 , 42, 571-577	3.2	77
20	Photoreversible Covalent Hydrogels for Soft-Matter Additive Manufacturing. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 16793-16801	9.5	71
19	Repair of nuclear ruptures requires barrier-to-autointegration factor. <i>Journal of Cell Biology</i> , 2019 , 218, 2136-2149	7.3	62
18	Quantitative characterization of 3D bioprinted structural elements under cell generated forces. <i>Nature Communications</i> , 2019 , 10, 3029	17.4	43
17	Polymer Osmotic Pressure in Hydrogel Contact Mechanics. <i>Biotribology</i> , 2017 , 11, 3-7	2.3	38
16	Anthracene-based mechanophores for compression-activated fluorescence in polymeric networks. <i>Chemical Science</i> , 2019 , 10, 7702-7708	9.4	37
15	Friction-Induced Inflammation. <i>Tribology Letters</i> , 2018 , 66, 1	2.8	29
14	Polyelectrolyte scaling laws for microgel yielding near jamming. <i>Soft Matter</i> , 2018 , 14, 1559-1570	3.6	27
13	Hierarchical self-assembly and emergent function of densely glycosylated peptide nanofibers. <i>Communications Chemistry</i> , 2019 , 2,	6.3	25
12	Commercially available microgels for 3D bioprinting. <i>Bioprinting</i> , 2018 , 11, e00037	7	24
11	Jammed Polyelectrolyte Microgels for 3D Cell Culture Applications: Rheological Behavior with Added Salts.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 1509-1517	4.1	17
10	Hydrogel compression and polymer osmotic pressure. <i>Biotribology</i> , 2020 , 22, 100125	2.3	17
9	In Situ Measurements of Contact Dynamics in Speed-dependent Hydrogel Friction. <i>Biotribology</i> , 2018 , 13, 23-29	2.3	16
8	Spherically capped membrane probes for low contact pressure tribology. <i>Biotribology</i> , 2017 , 11, 69-72	2.3	15
7	Eliminating the surface location from soft matter contact mechanics measurements. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2017 , 11, 187-192	1.4	14

6	Capillary forces drive buckling, plastic deformation, and break-up of 3D printed beams. <i>Soft Matter</i> , 2021 , 17, 3886-3894	3.6	10
5	Mechanical Stabilization of the Glandular Acinus by Linker of Nucleoskeleton and Cytoskeleton Complex. <i>Current Biology</i> , 2019 , 29, 2826-2839.e4	6.3	9
4	3D aggregation of cells in packed microgel media. <i>Soft Matter</i> , 2020 , 16, 6572-6581	3.6	4
3	Low force, high noise: Isolating indentation forces through autocorrelation analysis. <i>Biotribology</i> , 2019 , 20, 100110	2.3	2
2	Electrochemically deposited molybdenum disulfide surfaces enable polymer adsorption studies using quartz crystal microbalance with dissipation monitoring (QCM-D).. <i>Journal of Colloid and Interface Science</i> , 2022 , 614, 522-531	9.3	0
1	Mechanical Characterization of Glandular Acini Using a Micro-indentation Instrument. <i>Bio-protocol</i> , 2020 , 10, e3847	0.9	0