

Tapomoy Bhattacharjee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1868304/publications.pdf>

Version: 2024-02-01

22
papers

1,667
citations

516710

16
h-index

713466

21
g-index

24
all docs

24
docs citations

24
times ranked

1708
citing authors

#	ARTICLE	IF	CITATIONS
1	Writing in the granular gel medium. <i>Science Advances</i> , 2015, 1, e1500655.	10.3	466
2	Self-assembled micro-organogels for 3D printing silicone structures. <i>Science Advances</i> , 2017, 3, e1602800.	10.3	195
3	Bacterial hopping and trapping in porous media. <i>Nature Communications</i> , 2019, 10, 2075.	12.8	188
4	Liquid-like Solids Support Cells in 3D. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1787-1795.	5.2	124
5	Granular gel support-enabled extrusion of three-dimensional alginate and cellular structures. <i>Biofabrication</i> , 2016, 8, 025016.	7.1	123
6	Three-dimensional printing with sacrificial materials for soft matter manufacturing. <i>MRS Bulletin</i> , 2017, 42, 571-577.	3.5	108
7	Quantitative characterization of 3D bioprinted structural elements under cell generated forces. <i>Nature Communications</i> , 2019, 10, 3029.	12.8	73
8	Confinement and activity regulate bacterial motion in porous media. <i>Soft Matter</i> , 2019, 15, 9920-9930.	2.7	52
9	Polyelectrolyte scaling laws for microgel yielding near jamming. <i>Soft Matter</i> , 2018, 14, 1559-1570.	2.7	42
10	Chemotactic migration of bacteria in porous media. <i>Biophysical Journal</i> , 2021, 120, 3483-3497.	0.5	41
11	Commercially available microgels for 3D bioprinting. <i>Bioprinting</i> , 2018, 11, e00037.	5.8	36
12	A geometric criterion for the optimal spreading of active polymers in porous media. <i>Nature Communications</i> , 2021, 12, 7088.	12.8	35
13	Corneal cell friction: Survival, lubricity, tear films, and mucin production over extended duration in vitro studies. <i>Biotribology</i> , 2017, 11, 77-83.	1.9	32
14	In Situ Measurements of Contact Dynamics in Speed-dependent Hydrogel Friction. <i>Biotribology</i> , 2018, 13, 23-29.	1.9	26
15	Chemotactic smoothing of collective migration. <i>ELife</i> , 2022, 11, .	6.0	24
16	Eliminating the surface location from soft matter contact mechanics measurements. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2017, 11, 187-192.	1.4	23
17	Lubricity from Entangled Polymer Networks on Hydrogels. <i>Journal of Tribology</i> , 2016, 138, .	1.9	22
18	3D T cell motility in jammed microgels. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 024006.	2.8	21

#	ARTICLE	IF	CITATIONS
19	A biophysical threshold for biofilm formation. <i>ELife</i> , 0, 11, .	6.0	15
20	A Confocal Fluorescence Microscopy Method for Measuring Mucous Layer Growth on Living Corneal Epithelia. <i>Biotribology</i> , 2017, 11, 73-76.	1.9	7
21	Impact of confined geometries on hopping and trapping of motile bacteria in porous media. <i>Physical Review E</i> , 2021, 103, 012611.	2.1	7
22	Influence of confinement on the spreading of bacterial populations. <i>PLoS Computational Biology</i> , 2022, 18, e1010063.	3.2	5