Tapomoy Bhattacharjee

List of Publications by Year
in descending order

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

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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	Chemotactic smoothing of collective migration. ELife, 2022, 11, .	6.0	24
2	Influence of confinement on the spreading of bacterial populations. PLoS Computational Biology, 2022, 18, e1010063.	3.2	5
3	Impact of confined geometries on hopping and trapping of motile bacteria in porous media. Physical Review E, 2021, 103, 012611.	2.1	7
4	Chemotactic migration of bacteria in porous media. Biophysical Journal, 2021, 120, 3483-3497.	0.5	41
5	A geometric criterion for the optimal spreading of active polymers in porous media. Nature Communications, 2021, 12, 7088.	12.8	35
6	Quantitative characterization of 3D bioprinted structural elements under cell generated forces. Nature Communications, 2019, 10, 3029.	12.8	73
7	Bacterial hopping and trapping in porous media. Nature Communications, 2019, 10, 2075.	12.8	188
8	Confinement and activity regulate bacterial motion in porous media. Soft Matter, 2019, 15, 9920-9930.	2.7	52
9	3D T cell motility in jammed microgels. Journal Physics D: Applied Physics, 2019, 52, 024006.	2.8	21
10	Polyelectrolyte scaling laws for microgel yielding near jamming. Soft Matter, 2018, 14, 1559-1570.	2.7	42
11	In Situ Measurements of Contact Dynamics in Speed-dependent Hydrogel Friction. Biotribology, 2018, 13, 23-29.	1.9	26
12	Commercially available microgels for 3D bioprinting. Bioprinting, 2018, 11, e00037.	5.8	36
13	Self-assembled micro-organogels for 3D printing silicone structures. Science Advances, 2017, 3, e1602800.	10.3	195
14	A Confocal Fluorescence Microscopy Method for Measuring Mucous Layer Growth on Living Corneal Epithelia. Biotribology, 2017, 11, 73-76.	1.9	7
15	Corneal cell friction: Survival, lubricity, tear films, and mucin production over extended duration in vitro studies. Biotribology, 2017, 11, 77-83.	1.9	32
16	Three-dimensional printing with sacrificial materials for soft matter manufacturing. MRS Bulletin, 2017, 42, 571-577.	3.5	108
17	Eliminating the surface location from soft matter contact mechanics measurements. Tribology - Materials, Surfaces and Interfaces, 2017, 11, 187-192.	1.4	23
18	Lubricity from Entangled Polymer Networks on Hydrogels. Journal of Tribology, 2016, 138, .	1.9	22

#	Article	IF	Citations
19	Liquid-like Solids Support Cells in 3D. ACS Biomaterials Science and Engineering, 2016, 2, 1787-1795.	5.2	124
20	Granular gel support-enabled extrusion of three-dimensional alginate and cellular structures. Biofabrication, 2016, 8, 025016.	7.1	123
21	Writing in the granular gel medium. Science Advances, 2015, 1, e1500655.	10.3	466
22	A biophysical threshold for biofilm formation. ELife, 0, 11, .	6.0	15