Dhananjay T Tambe

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5522877/publications.pdf

Version: 2024-02-01

33	2,775	623188	525886
papers	citations	14 h-index	27 g-index

34	34	34	3010
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Integrative Toolkit to Analyze Cellular Signals: Forces, Motion, Morphology, and Fluorescence. Journal of Visualized Experiments, 2022, , .	0.2	3
2	Carbonic anhydrase IX proteoglycan-like and intracellular domains mediate pulmonary microvascular endothelial cell repair and angiogenesis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 323, L48-L57.	1.3	1
3	Impact of Na+ permeation on collective migration of pulmonary arterial endothelial cells. PLoS ONE, 2021, 16, e0250095.	1.1	4
4	Mechanomic Engagement Profile: Integrative Mapping of the Mechanical Properties that Inform Endothelial Cell Motion. FASEB Journal, 2021, 35, .	0.2	0
5	An Automated In Vitro Experimental Platform to Analyze Structure, Motion and Forces in Adherent Cells. FASEB Journal, 2021, 35, .	0.2	0
6	Unleashing shear: Role of intercellular traction and cellular moments in collective cell migration. Biochemical and Biophysical Research Communications, 2020, 522, 279-285.	1.0	9
7	Exoenzyme Y induces extracellular active caspase-7 accumulation independent from apoptosis: modulation of transmissible cytotoxicity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L380-L390.	1.3	13
8	Mechanical signaling in a pulmonary microvascular endothelial cell monolayer. Biochemical and Biophysical Research Communications, 2019, 519, 337-343.	1.0	8
9	Resolving tractions across cellâ€•cell adhesion reveals the role of intercellular shear in plithotaxis. FASEB Journal, 2019, 33, lb593.	0.2	0
10	Long-range stress transmission guides endothelial gap formation. Biochemical and Biophysical Research Communications, 2018, 495, 749-754.	1.0	16
11	Human Corneal Fibroblast Pattern Evolution and Matrix Synthesis on Mechanically Biased Substrates. Tissue Engineering - Part A, 2016, 22, 1204-1217.	1.6	16
12	And I hope you like jamming too. New Journal of Physics, 2015, 17, 091001.	1.2	11
13	High-throughput screening for modulators of cellular contractile force. Integrative Biology (United) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	60
14	Fluid shear, intercellular stress, and endothelial cell alignment. American Journal of Physiology - Cell Physiology, 2015, 308, C657-C664.	2.1	100
15	Unjamming and cell shape in the asthmatic airwayÂepithelium. Nature Materials, 2015, 14, 1040-1048.	13.3	484
16	Comment on â€œIntracellular stresses in patterned cell assembliesâ€•by M. Moussus et al., Soft Matter, 2014, 10, 2414. Soft Matter, 2014, 10, 7681-7682.	1.2	3
17	Building a theoretical framework to quantify alveolar injury. Journal of Applied Physiology, 2014, 117, 575-576.	1.2	0
18	Glassy Dynamics, Cell Mechanics, and Endothelial Permeability. Journal of Physical Chemistry B, 2013, 117, 12850-12856.	1.2	23

#	Article	IF	Citations
19	Propulsion and navigation within the advancing monolayer sheet. Nature Materials, 2013, 12, 856-863.	13.3	161
20	Monolayer Stress Microscopy: Limitations, Artifacts, and Accuracy of Recovered Intercellular Stresses. PLoS ONE, 2013, 8, e55172.	1.1	156
21	Monolayer Stress Microscopy: limitations, artifacts, and accuracy of recovered intercellular stresses. FASEB Journal, 2013, 27, 1217.5.	0.2	0
22	Navigation within the cellular monolayer. FASEB Journal, 2013, 27, 1217.18.	0.2	0
23	Mechanical waves during tissue expansion. Nature Physics, 2012, 8, 628-634.	6.5	418
24	Effects of micropatterned curvature on the motility and mechanical properties of airway smooth muscle cells. Biochemical and Biophysical Research Communications, 2011, 415, 591-596.	1.0	14
25	Collective cell guidance by cooperative intercellular forces. Nature Materials, 2011, 10, 469-475.	13.3	781
26	Collective cell guidance by cooperative intercellular forces. Nature Precedings, 2010, , .	0.1	3
27	Fluidization and Resolidification of the Human Bladder Smooth Muscle Cell in Response to Transient Stretch. PLoS ONE, 2010, 5, e12035.	1.1	94
28	Mapping the cytoskeletal prestress. American Journal of Physiology - Cell Physiology, 2010, 298, C1245-C1252.	2.1	66
29	Mechanosensing of substrate thickness. Physical Review E, 2010, 82, 041918.	0.8	58
30	Reinforcement versus Fluidization in Cytoskeletal Mechanoresponsiveness. PLoS ONE, 2009, 4, e5486.	1.1	232
31	First-principles calculations of step formation energies and step interactions on TiN(001). Surface Science, 2005, 582, 145-150.	0.8	15
32	Comparative study of dimer-vacancies and dimer-vacancy lines on Si() and Ge(). Surface Science, 2004, 556, 171-183.	0.8	16
33	Atomic-scale perspective on the origin of attractive step interactions on Si(113). Physical Review B, 2003, 68, .	1.1	10