

Daniel Riveline

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4613142/publications.pdf>

Version: 2024-02-01

24
papers

3,697
citations

759233

12
h-index

677142

22
g-index

28
all docs

28
docs citations

28
times ranked

3786
citing authors

#	ARTICLE	IF	CITATIONS
1	Force and focal adhesion assembly: a close relationship studied using elastic micropatterned substrates. <i>Nature Cell Biology</i> , 2001, 3, 466-472.	10.3	1,924
2	Focal Contacts as Mechanosensors. <i>Journal of Cell Biology</i> , 2001, 153, 1175-1186.	5.2	1,331
3	Protrusion Fluctuations Direct Cell Motion. <i>Biophysical Journal</i> , 2014, 107, 34-42.	0.5	60
4	Still and rotating myosin clusters determine cytokinetic ring constriction. <i>Nature Communications</i> , 2016, 7, 11860.	12.8	55
5	Ratchetaxis: Long-Range Directed Cell Migration by Local Cues. <i>Trends in Cell Biology</i> , 2015, 25, 815-827.	7.9	54
6	The asymmetric self-assembly mechanism of adherens junctions: a cellular push-pull unit. <i>Physical Biology</i> , 2008, 5, 016005.	1.8	45
7	Cells as Active Particles in Asymmetric Potentials: Motility under External Gradients. <i>Biophysical Journal</i> , 2014, 107, 1513-1522.	0.5	36
8	“The Forms of Tissues, or Cell-aggregates”: D'Arcy Thompson's influence and its limits. <i>Development (Cambridge)</i> , 2017, 144, 4226-4237.	2.5	33
9	Force-Extension Relationship of Cell-Cell Contacts. <i>Physical Review Letters</i> , 2007, 98, 268101.	7.8	31
10	The cell ratchet: Interplay between efficient protrusions and adhesion determines cell motion. <i>Cell Adhesion and Migration</i> , 2015, 9, 327-334.	2.7	25
11	Epithelial colonies in vitro elongate through collective effects. <i>ELife</i> , 2021, 10, .	6.0	25
12	Spatial Fluctuations at Vertices of Epithelial Layers: Quantification of Regulation by Rho Pathway. <i>Biophysical Journal</i> , 2018, 114, 939-946.	0.5	17
13	Collective Dynamics of Focal Adhesions Regulate Direction of Cell Motion. <i>Cell Systems</i> , 2020, 10, 535-542.e4.	6.2	17
14	Scaling concepts in cell physics: paradigms for cell adhesion. <i>Soft Matter</i> , 2011, 7, 824-829.	2.7	9
15	Ratchetaxis in Channels: Entry Point and Local Asymmetry Set Cell Directions in Confinement. <i>Biophysical Journal</i> , 2020, 119, 1301-1308.	0.5	6
16	Interface between Physics and Biology: Training a New Generation of Creative Bilingual Scientists. <i>Trends in Cell Biology</i> , 2017, 27, 541-543.	7.9	5
17	Directing cell migration on flat substrates and in confinement with microfabrication and microfluidics. <i>Methods in Cell Biology</i> , 2018, 147, 109-132.	1.1	5
18	Ordering Single Cells and Single Embryos in 3D Confinement: A New Device for High Content Screening. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	4

#	ARTICLE	IF	CITATIONS
19	Generation of fluorescent cell-derived-matrix to study 3D cell migration. <i>Methods in Cell Biology</i> , 2020, 156, 185-203.	1.1	4
20	Computational approaches for simulating luminogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2022, 131, 173-185.	5.0	4
21	Theoretical study of actin layers attachment and separation. <i>European Physical Journal E</i> , 2015, 38, 122.	1.6	2
22	How to orient cells in microcavities for high resolution imaging of cytokinesis and lumen formation. <i>Methods in Cell Biology</i> , 2020, 158, 25-41.	1.1	2
23	“Stochastic Resonance” for Individual Cells. <i>Biophysical Journal</i> , 2020, 118, 533-534.	0.5	1
24	Ends and middle: Global force balance and septum location in fission yeast. <i>European Physical Journal E</i> , 2020, 43, 31.	1.6	0