

# 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	Computational approaches for simulating luminogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2022, 131, 173-185.	5.0	4
2	Epithelial colonies in vitro elongate through collective effects. <i>ELife</i> , 2021, 10, .	6.0	25
3	“Stochastic Resonance” for Individual Cells. <i>Biophysical Journal</i> , 2020, 118, 533-534.	0.5	1
4	Ratchetaxis in Channels: Entry Point and Local Asymmetry Set Cell Directions in Confinement. <i>Biophysical Journal</i> , 2020, 119, 1301-1308.	0.5	6
5	Ends and middle: Global force balance and septum location in fission yeast. <i>European Physical Journal E</i> , 2020, 43, 31.	1.6	0
6	Collective Dynamics of Focal Adhesions Regulate Direction of Cell Motion. <i>Cell Systems</i> , 2020, 10, 535-542.e4.	6.2	17
7	Generation of fluorescent cell-derived-matrix to study 3D cell migration. <i>Methods in Cell Biology</i> , 2020, 156, 185-203.	1.1	4
8	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
9	Spatial Fluctuations at Vertices of Epithelial Layers: Quantification of Regulation by Rho Pathway. <i>Biophysical Journal</i> , 2018, 114, 939-946.	0.5	17
10	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
11	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
12	“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
13	Still and rotating myosin clusters determine cytokinetic ring constriction. <i>Nature Communications</i> , 2016, 7, 11860.	12.8	55
14	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
15	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
16	Ratchetaxis: Long-Range Directed Cell Migration by Local Cues. <i>Trends in Cell Biology</i> , 2015, 25, 815-827.	7.9	54
17	Theoretical study of actin layers attachment and separation. <i>European Physical Journal E</i> , 2015, 38, 122.	1.6	2
18	Cells as Active Particles in Asymmetric Potentials: Motility under External Gradients. <i>Biophysical Journal</i> , 2014, 107, 1513-1522.	0.5	36

#	ARTICLE	IF	CITATIONS
19	Protrusion Fluctuations Direct Cell Motion. Biophysical Journal, 2014, 107, 34-42.	0.5	60
20	Scaling concepts in cell physics: paradigms for cell adhesion. Soft Matter, 2011, 7, 824-829.	2.7	9
21	The asymmetric self-assembly mechanism of adherens junctions: a cellular push-pull unit. Physical Biology, 2008, 5, 016005.	1.8	45
22	Force-Extension Relationship of Cell-Cell Contacts. Physical Review Letters, 2007, 98, 268101.	7.8	31
23	Force and focal adhesion assembly: a close relationship studied using elastic micropatterned substrates. Nature Cell Biology, 2001, 3, 466-472.	10.3	1,924
24	Focal Contacts as Mechanosensors. Journal of Cell Biology, 2001, 153, 1175-1186.	5.2	1,331