

# Hervé Turlier

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6861162/publications.pdf>

Version: 2024-02-01

13  
papers

1,285  
citations

840776

11  
h-index

1199594

12  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1602  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric division of contractile domains couples cell positioning and fate specification. <i>Nature</i> , 2016, 536, 344-348.	27.8	303
2	Pulsatile cell-autonomous contractility drives compaction in the mouse embryo. <i>Nature Cell Biology</i> , 2015, 17, 849-855.	10.3	267
3	Equilibrium physics breakdown reveals the active nature of red blood cell flickering. <i>Nature Physics</i> , 2016, 12, 513-519.	16.7	231
4	Furrow Constriction in Animal Cell Cytokinesis. <i>Biophysical Journal</i> , 2014, 106, 114-123.	0.5	163
5	Hydraulic fracturing and active coarsening position the lumen of the mouse blastocyst. <i>Science</i> , 2019, 365, 465-468.	12.6	155
6	Mechanics of tissue compaction. <i>Seminars in Cell and Developmental Biology</i> , 2015, 47-48, 110-117.	5.0	39
7	Unveiling the Active Nature of Living-Membrane Fluctuations and Mechanics. <i>Annual Review of Condensed Matter Physics</i> , 2019, 10, 213-232.	14.5	37
8	Still Water: Dead Zones and Collimated Ejecta from the Impact of Granular Jets. <i>Physical Review Letters</i> , 2013, 111, 168001.	7.8	17
9	A hydro-osmotic coarsening theory of biological cavity formation. <i>PLoS Computational Biology</i> , 2021, 17, e1009333.	3.2	16
10	A viscous active shell theory of the cell cortex. <i>Journal of the Mechanics and Physics of Solids</i> , 2022, 164, 104876.	4.8	16
11	Mechanical Checkpoint For Persistent Cell Polarization In Adhesion-Naive Fibroblasts. <i>Biophysical Journal</i> , 2014, 107, 324-335.	0.5	15
12	Fluctuations in Active Membranes. , 2018, , 581-619.		11
13	Blastocoel morphogenesis: A biophysics perspective. <i>Seminars in Cell and Developmental Biology</i> , 2022, 130, 12-23.	5.0	4