

# Isabelle Bonnet

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8302927/publications.pdf>

Version: 2024-02-01

22  
papers

1,566  
citations

687363

13  
h-index

713466

21  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2256  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intertissue mechanical interactions shape the olfactory circuit in zebrafish. <i>EMBO Reports</i> , 2022, 23, e52963.	4.5	13
2	A Multitubular Kidney-on-Chip to Decipher Pathophysiological Mechanisms in Renal Cystic Diseases. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 624553.	4.1	8
3	Control of SRC molecular dynamics encodes distinct cytoskeletal responses by specifying signaling pathway usage. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	7
4	Hyperbolic cosine function in physics. <i>European Journal of Physics</i> , 2020, 42, 015704.	0.6	1
5	Cancer-associated fibroblast heterogeneity in axillary lymph nodes drives metastases in breast cancer through complementary mechanisms. <i>Nature Communications</i> , 2020, 11, 404.	12.8	230
6	Local light-activation of the Src oncoprotein in an epithelial monolayer promotes collective extrusion. <i>Communications Physics</i> , 2019, 2, .	5.3	13
7	Collective stresses drive competition between monolayers of normal and Ras-transformed cells. <i>Soft Matter</i> , 2019, 15, 537-545.	2.7	23
8	Controlling Confinement and Topology to Study Collective Cell Behaviors. <i>Methods in Molecular Biology</i> , 2018, 1749, 387-399.	0.9	7
9	Extrinsic mechanical forces mediate retrograde axon extension in a developing neuronal circuit. <i>Nature Communications</i> , 2017, 8, 282.	12.8	38
10	Modulation of junction tension by tumor-suppressors and proto-oncogenes regulates cell-cell contacts. <i>Development (Cambridge)</i> , 2016, 143, 623-34.	2.5	48
11	Architecture and migration of an epithelium on a cylindrical wire. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5944-5949.	7.1	103
12	Microtubule-driven nuclear rotations promote meiotic chromosome dynamics. <i>Nature Cell Biology</i> , 2015, 17, 1388-1400.	10.3	56
13	The Effects of Out of Plane Curvature on Collective Cell Migration. <i>Biophysical Journal</i> , 2014, 106, 357a.	0.5	1
14	Comparative study of non-invasive force and stress inference methods in tissue. <i>European Physical Journal E</i> , 2013, 36, 9859.	1.6	64
15	Mechanical Control of Morphogenesis by Fat/Dachsous/Four-Jointed Planar Cell Polarity Pathway. <i>Science</i> , 2012, 336, 724-727.	12.6	341
16	Mechanical state, material properties and continuous description of an epithelial tissue. <i>Journal of the Royal Society Interface</i> , 2012, 9, 2614-2623.	3.4	91
17	Live-Cell Chromosome Dynamics and Outcome of X Chromosome Pairing Events during ES Cell Differentiation. <i>Cell</i> , 2011, 145, 447-458.	28.9	137
18	The diffusion constant of a labeled protein sliding along DNA. <i>European Physical Journal E</i> , 2011, 34, 25.	1.6	11

#	ARTICLE	IF	CITATIONS
19	Probing Planck's law at home. European Journal of Physics, 2010, 31, 1463-1471.	0.6	8
20	Quantifying Hopping and Jumping in Facilitated Diffusion of DNA-Binding Proteins. Physical Review Letters, 2009, 102, 188101.	7.8	97
21	Sliding and jumping of single EcoRV restriction enzymes on non-cognate DNA. Nucleic Acids Research, 2008, 36, 4118-4127.	14.5	196
22	Detection of single DNA molecules by multicolor quantum-dot end-labeling. Nucleic Acids Research, 2005, 33, e98-e98.	14.5	70