

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	Mechanical Control of Morphogenesis by Fat/Dachsous/Four-Jointed Planar Cell Polarity Pathway. Science, 2012, 336, 724-727.	12.6	341
2	Cancer-associated fibroblast heterogeneity in axillary lymph nodes drives metastases in breast cancer through complementary mechanisms. Nature Communications, 2020, 11, 404.	12.8	230
3	Sliding and jumping of single EcoRV restriction enzymes on non-cognate DNA. Nucleic Acids Research, 2008, 36, 4118-4127.	14.5	196
4	Live-Cell Chromosome Dynamics and Outcome of X Chromosome Pairing Events during ES Cell Differentiation. Cell, 2011, 145, 447-458.	28.9	137
5	Architecture and migration of an epithelium on a cylindrical wire. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5944-5949.	7.1	103
6	Quantifying Hopping and Jumping in Facilitated Diffusion of DNA-Binding Proteins. Physical Review Letters, 2009, 102, 188101.	7.8	97
7	Mechanical state, material properties and continuous description of an epithelial tissue. Journal of the Royal Society Interface, 2012, 9, 2614-2623.	3.4	91
8	Detection of single DNA molecules by multicolor quantum-dot end-labeling. Nucleic Acids Research, 2005, 33, e98-e98.	14.5	70
9	Comparative study of non-invasive force and stress inference methods in tissue. European Physical Journal E, 2013, 36, 9859.	1.6	64
10	Microtubule-driven nuclear rotations promote meiotic chromosome dynamics. Nature Cell Biology, 2015, 17, 1388-1400.	10.3	56
11	Modulation of junction tension by tumor-suppressors and proto-oncogenes regulates cell-cell contacts. Development (Cambridge), 2016, 143, 623-34.	2.5	48
12	Extrinsic mechanical forces mediate retrograde axon extension in a developing neuronal circuit. Nature Communications, 2017, 8, 282.	12.8	38
13	Collective stresses drive competition between monolayers of normal and Ras-transformed cells. Soft Matter, 2019, 15, 537-545.	2.7	23
14	Local light-activation of the Src oncoprotein in an epithelial monolayer promotes collective extrusion. Communications Physics, 2019, 2, .	5.3	13
15	Intertissue mechanical interactions shape the olfactory circuit in zebrafish. EMBO Reports, 2022, 23, e52963.	4.5	13
16	The diffusion constant of a labeled protein sliding along DNA. European Physical Journal E, 2011, 34, 25.	1.6	11
17	Probing Planck's law at home. European Journal of Physics, 2010, 31, 1463-1471.	0.6	8
18	A Multitubular Kidney-on-Chip to Decipher Pathophysiological Mechanisms in Renal Cystic Diseases. Frontiers in Bioengineering and Biotechnology, 2021, 9, 624553.	4.1	8

#	ARTICLE	IF	CITATIONS
19	Controlling Confinement and Topology to Study Collective Cell Behaviors. <i>Methods in Molecular Biology</i> , 2018, 1749, 387-399.	0.9	7
20	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
21	The Effects of Out of Plane Curvature on Collective Cell Migration. <i>Biophysical Journal</i> , 2014, 106, 357a.	0.5	1
22	Hyperbolic cosine function in physics. <i>European Journal of Physics</i> , 2020, 42, 015704.	0.6	1