

Michael Smutny

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

961
citations

933447

10
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

1561
citing authors

#	ARTICLE	IF	CITATIONS
1	Feeling the force: Multiscale force sensing and transduction at the cell-cell interface. <i>Seminars in Cell and Developmental Biology</i> , 2021, 120, 53-65.	5.0	15
2	Editorial: Forces in Biology - Cell and Developmental Mechanobiology and Its Implications in Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 598179.	3.7	3
3	Light-activated Frizzled7 reveals a permissive role of non-canonical wnt signaling in mesendoderm cell migration. <i>ELife</i> , 2019, 8, .	6.0	32
4	Drosophila TNF Modulates Tissue Tension in the Embryo to Facilitate Macrophage Invasive Migration. <i>Developmental Cell</i> , 2018, 45, 331-346.e7.	7.0	24
5	Friction forces position the neural anlage. <i>Nature Cell Biology</i> , 2017, 19, 306-317.	10.3	93
6	Actomyosin Network Contractility Triggers a Stochastic Transformation into Highly Motile Amoeboid Cells. <i>Biophysical Journal</i> , 2016, 110, 622a-623a.	0.5	1
7	Cortical Contractility Triggers a Stochastic Switch to Fast Amoeboid Cell Motility. <i>Cell</i> , 2015, 160, 673-685.	28.9	345
8	UV Laser Ablation to Measure Cell and Tissue-Generated Forces in the Zebrafish Embryo In Vivo and Ex Vivo. <i>Methods in Molecular Biology</i> , 2015, 1189, 219-235.	0.9	31
9	Multicomponent Analysis of Junctional Movements Regulated by Myosin II Isoforms at the Epithelial Zonula Adherens. <i>PLoS ONE</i> , 2011, 6, e22458.	2.5	34
10	Neighborly relations: cadherins and mechanotransduction. <i>Journal of Cell Biology</i> , 2010, 189, 1075-1077.	5.2	51
11	Myosin II isoforms identify distinct functional modules that support integrity of the epithelial zonula adherens. <i>Nature Cell Biology</i> , 2010, 12, 696-702.	10.3	296
12	Phosphatidylinositol 3-kinase signalling supports cell height in established epithelial monolayers. <i>Journal of Molecular Histology</i> , 2009, 40, 395-405.	2.2	23
13	Transactivation of E2F-Regulated Genes by Polyomavirus Large T Antigen: Evidence for a Two-Step Mechanism. <i>Molecular and Cellular Biology</i> , 2004, 24, 10986-10994.	2.3	11