Michael Smutny

List of Publications by Year
in descending order

13	961	933447 10	1199594 12
papers	citations	h-index	g-index

15	15	15	1561
all docs	docs citations	times ranked	citing authors

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