

Maria Leptin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

2,614
citations

23
h-index

51
g-index

74
ext. papers

3,318
ext. citations

11.9
avg, IF

5.28
L-index

#	Paper	IF	Citations
51	The Rho GTPase and a putative RhoGEF mediate a signaling pathway for the cell shape changes in <i>Drosophila</i> gastrulation. <i>Cell</i> , 1997 , 91, 905-15	56.2	329
50	Conservation and divergence of gene families encoding components of innate immune response systems in zebrafish. <i>Genome Biology</i> , 2007 , 8, R251	18.3	289
49	Control of <i>Drosophila</i> gastrulation by apical localization of adherens junctions and RhoGEF2. <i>Science</i> , 2007 , 315, 384-6	33.3	251
48	Tribbles, a cell-cycle brake that coordinates proliferation and morphogenesis during <i>Drosophila</i> gastrulation. <i>Current Biology</i> , 2000 , 10, 623-9	6.3	209
47	The <i>Drosophila</i> protein Dof is specifically required for FGF signaling. <i>Molecular Cell</i> , 1998 , 2, 515-25	17.6	150
46	From morphogen to morphogenesis and back. <i>Nature</i> , 2017 , 541, 311-320	50.4	149
45	Gastrulation movements: the logic and the nuts and bolts. <i>Developmental Cell</i> , 2005 , 8, 305-20	10.2	145
44	Molecular mechanisms of de novo lumen formation. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 665-76	48.7	95
43	Embryo-scale tissue mechanics during <i>Drosophila</i> gastrulation movements. <i>Nature Communications</i> , 2015 , 6, 8677	17.4	93
42	<i>Drosophila</i> gastrulation: from pattern formation to morphogenesis. <i>Annual Review of Cell and Developmental Biology</i> , 1995 , 11, 189-212	12.6	79
41	SCIENTIFIC COMMUNITY. Preprints for the life sciences. <i>Science</i> , 2016 , 352, 899-901	33.3	68
40	Structure and evolutionary history of a large family of NLR proteins in the zebrafish. <i>Open Biology</i> , 2016 , 6, 160009	7	65
39	A conserved role for Snail as a potentiator of active transcription. <i>Genes and Development</i> , 2014 , 28, 167-181	16	57
38	A theory that predicts behaviors of disordered cytoskeletal networks. <i>Molecular Systems Biology</i> , 2017 , 13, 941	12.2	56
37	mTORC1 and mTORC2 regulate skin morphogenesis and epidermal barrier formation. <i>Nature Communications</i> , 2016 , 7, 13226	17.4	44
36	A model of epithelial invagination driven by collective mechanics of identical cells. <i>Biophysical Journal</i> , 2012 , 103, 1069-77	2.9	44
35	FGF signalling and the mechanism of mesoderm spreading in <i>Drosophila</i> embryos. <i>Development (Cambridge)</i> , 2005 , 132, 491-501	6.6	41

34	Dynamics of in vivo ASC speck formation. <i>Journal of Cell Biology</i> , 2017 , 216, 2891-2909	7.3	40
33	Fibroblast growth factor receptor-dependent morphogenesis of the Drosophila mesoderm. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000 , 355, 891-5	5.8	40
32	Physical models of mesoderm invagination in Drosophila embryo. <i>Biophysical Journal</i> , 2013 , 105, 3-10	2.9	35
31	Insulin and TOR signal in parallel through FOXO and S6K to promote epithelial wound healing. <i>Nature Communications</i> , 2016 , 7, 12972	17.4	34
30	Guidance of subcellular tubulogenesis by actin under the control of a synaptotagmin-like protein and Moesin. <i>Nature Communications</i> , 2014 , 5, 3036	17.4	29
29	Role for Traf4 in polarizing adherens junctions as a prerequisite for efficient cell shape changes. <i>Molecular and Cellular Biology</i> , 2011 , 31, 4978-93	4.8	25
28	Polarity sorting drives remodeling of actin-myosin networks. <i>Journal of Cell Science</i> , 2018 , 132,	5.3	23
27	Systemic response to ultraviolet radiation involves induction of leukocytic IL-1 β and inflammation in zebrafish. <i>Journal of Immunology</i> , 2014 , 193, 1408-15	5.3	21
26	Noninvasive In Toto Imaging of the Thymus Reveals Heterogeneous Migratory Behavior of Developing T Cells. <i>Journal of Immunology</i> , 2015 , 195, 2177-86	5.3	18
25	A genetic mosaic analysis with a repressible cell marker screen to identify genes involved in tracheal cell migration during Drosophila air sac morphogenesis. <i>Genetics</i> , 2007 , 176, 2177-87	4	18
24	A high-sensitivity bi-directional reporter to monitor NF- κ B activity in cell culture and zebrafish in real time. <i>Journal of Cell Science</i> , 2017 , 130, 648-657	5.3	18
23	The Laboratory Domestication of Zebrafish: From Diverse Populations to Inbred Substrains. <i>Molecular Biology and Evolution</i> , 2020 , 37, 1056-1069	8.3	16
22	Long-term in vivo imaging of Drosophila larvae. <i>Nature Protocols</i> , 2020 , 15, 1158-1187	18.8	15
21	Microsomal triacylglycerol transfer protein (MTP) is required to expand tracheal lumen in Drosophila in a cell-autonomous manner. <i>Journal of Cell Science</i> , 2012 , 125, 6038-48	5.3	14
20	A small genomic region containing several loci required for gastrulation in Drosophila. <i>PLoS ONE</i> , 2009 , 4, e7437	3.7	12
19	Cell and tissue manipulation with ultrashort infrared laser pulses in light-sheet microscopy. <i>Scientific Reports</i> , 2020 , 10, 1942	4.9	11
18	Transcytosis via the late endocytic pathway as a cell morphogenetic mechanism. <i>EMBO Journal</i> , 2020 , 39, e105332	13	10
17	Drosophila gastrulation: identification of a missing link. <i>Current Biology</i> , 2004 , 14, R480-2	6.3	9

16	High-precision targeting workflow for volume electron microscopy. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	9
15	A Genome-Wide Screen for Dendritically Localized RNAs Identifies Genes Required for Dendrite Morphogenesis. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 2397-405	3.2	9
14	The adherens junction-associated LIM domain protein Smallish regulates epithelial morphogenesis. <i>Journal of Cell Biology</i> , 2018 , 217, 1079-1095	7.3	8
13	Slik and the receptor tyrosine kinase Breathless mediate localized activation of Moesin in terminal tracheal cells. <i>PLoS ONE</i> , 2014 , 9, e103323	3.7	7
12	Multiple Requirements for Rab GTPases in the Development of Tracheal Dorsal Branches and Terminal Cells. <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 1099-1112	3.2	6
11	Regulation of the Wound Healing Response during Aging. <i>Journal of Investigative Dermatology</i> , 2021 , 141, 1063-1070	4.3	4
10	Semi-Automatic Generation Of Tight Binary Masks And Non-Convex Isosurfaces For Quantitative Analysis Of 3d Biological Samples 2020 ,		3
9	Dynamics of ASC speck formation during skin inflammatory responses in vivo		2
8	IT cell lineage outcome is regulated by intrathymic cell localization and environmental signals. <i>Science Advances</i> , 2021 , 7,	14.3	2
7	Fluorescence-based 3D targeting of FIB-SEM acquisition of small volumes in large samples		2
6	Optogenetic activators of apoptosis, necroptosis and pyroptosis for probing cell death dynamics and bystander cell responses		2
5	Notch1 deficiency alters the migratory behavior of developing T cells and calcium signaling in the thymus of medaka. <i>European Journal of Immunology</i> , 2021 ,	6.1	1
4	A theory that predicts behaviors of disordered cytoskeletal networks		1
3	Dual function for Tango1 in secretion of bulky cargo and in ER-Golgi morphology		1
2	Mechanical competition alters the cellular interpretation of an endogenous genetic programme		1
1	Autophagy-mediated plasma membrane removal promotes the formation of epithelial syncytia.. <i>EMBO Journal</i> , 2022 , e109992	13	1