

Christian Dahmann

List of Publications by Year in descending order

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38
papers

2,486
citations

361413
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39
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docs citations

39
times ranked

2176
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct contributions of ECM proteins to basement membrane mechanical properties in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2022, 149, .	2.5	19
2	Establishing compartment boundaries in <i>Drosophila</i> wing imaginal discs: An interplay between selector genes, signaling pathways and cell mechanics. <i>Seminars in Cell and Developmental Biology</i> , 2020, 107, 161-169.	5.0	18
3	Increased lateral tension is sufficient for epithelial folding in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2020, 147, .	2.5	11
4	Tissue mechanical properties modulate cell extrusion in the <i>Drosophila</i> abdominal epidermis. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	24
5	Wingless counteracts epithelial folding by increasing mechanical tension at basal cell edges in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2020, 147, .	2.5	5
6	Charting the unknown currents of cellular flows and forces. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	4
7	Cell-level 3D reconstruction and quantification of the <i>Drosophila</i> wing imaginal disc. <i>International Journal of Bioinformatics Research and Applications</i> , 2019, 15, 174.	0.2	1
8	Differential lateral and basal tension drive folding of <i>Drosophila</i> wing discs through two distinct mechanisms. <i>Nature Communications</i> , 2018, 9, 4620.	12.8	103
9	MoD Special Issue on the roles of physical forces in animal development. <i>Mechanisms of Development</i> , 2017, 144, 1.	1.7	0
10	The Selector Gene <i>apterous</i> and Notch Are Required to Locally Increase Mechanical Cell Bond Tension at the <i>Drosophila</i> Dorsoventral Compartment Boundary. <i>PLoS ONE</i> , 2016, 11, e0161668.	2.5	16
11	Regulating mechanical tension at compartment boundaries in <i>Drosophila</i> . <i>Fly</i> , 2016, 10, 204-209.	1.7	3
12	A Mutation in <i>fat2</i> Uncouples Tissue Elongation from Global Tissue Rotation. <i>Cell Reports</i> , 2016, 14, 2503-2510.	6.4	32
13	Memorizing Shape to Orient Cell Division. <i>Developmental Cell</i> , 2016, 36, 589-590.	7.0	3
14	Signals and mechanics shaping compartment boundaries in <i>Drosophila</i> . <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2015, 4, 407-417.	5.9	5
15	A local difference in Hedgehog signal transduction increases mechanical cell bond tension and biases cell intercalations along the <i>Drosophila</i> anteroposterior compartment boundary. <i>Development (Cambridge)</i> , 2015, 142, 3845-3858.	2.5	31
16	An RNA Interference Screen for Genes Required to Shape the Anteroposterior Compartment Boundary in <i>Drosophila</i> Identifies the Eph Receptor. <i>PLoS ONE</i> , 2014, 9, e114340.	2.5	22
17	Local Increases in Mechanical Tension Shape Compartment Boundaries by Biasing Cell Intercalations. <i>Current Biology</i> , 2014, 24, 1798-1805.	3.9	85
18	Microtubule Polarity Predicts Direction of Egg Chamber Rotation in <i>Drosophila</i> . <i>Current Biology</i> , 2013, 23, 1472-1477.	3.9	66

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19	Physical Mechanisms Shaping the Drosophila Dorsoventral Compartment Boundary. <i>Current Biology</i> , 2012, 22, 967-976.	3.9	116
20	Modelling planar polarity of epithelia: the role of signal relay in collective cell polarization. <i>Journal of the Royal Society Interface</i> , 2011, 8, 1059-1063.	3.4	26
21	Boundary formation and maintenance in tissue development. <i>Nature Reviews Genetics</i> , 2011, 12, 43-55.	16.3	301
22	Compartment boundaries. <i>Fly</i> , 2010, 4, 241-245.	1.7	16
23	Characterization of the Drosophila Ortholog of the Human Usher Syndrome Type 1G Protein Sans. <i>PLoS ONE</i> , 2009, 4, e4753.	2.5	13
24	Dpp signaling promotes the cuboidal-to-columnar shape transition of Drosophila wing disc epithelia by regulating Rho1. <i>Journal of Cell Science</i> , 2009, 122, 1362-1373.	2.0	88
25	The cadherin Fat2 is required for planar cell polarity in the Drosophila ovary. <i>Development (Cambridge)</i> , 2009, 136, 4123-4132.	2.5	107
26	Increased Cell Bond Tension Governs Cell Sorting at the Drosophila Anteroposterior Compartment Boundary. <i>Current Biology</i> , 2009, 19, 1950-1955.	3.9	282
27	Expression patterns of cadherin genes in Drosophila oogenesis. <i>Gene Expression Patterns</i> , 2009, 9, 31-36.	0.8	22
28	Wingless signaling and the control of cell shape in Drosophila wing imaginal discs. <i>Developmental Biology</i> , 2009, 334, 161-173.	2.0	52
29	Hedgehog and Dpp signaling induce cadherin Cad86C expression in the morphogenetic furrow during Drosophila eye development. <i>Mechanisms of Development</i> , 2008, 125, 712-728.	1.7	29
30	Cad74A is regulated by BR and is required for robust dorsal appendage formation in Drosophila oogenesis. <i>Developmental Biology</i> , 2008, 322, 289-301.	2.0	16
31	Cadherin Cad99C is required for normal microvilli morphology in Drosophila follicle cells. <i>Journal of Cell Science</i> , 2006, 119, 1184-1195.	2.0	60
32	PDZ-domain-binding sites are common among cadherins. <i>Development Genes and Evolution</i> , 2006, 216, 737-741.	0.9	8
33	Extrusion of Cells with Inappropriate Dpp Signaling from Drosophila Wing Disc Epithelia. <i>Science</i> , 2005, 307, 1789-1790.	12.6	148
34	The role of Dpp signaling in maintaining the Drosophila anteroposterior compartment boundary. <i>Developmental Biology</i> , 2005, 279, 31-43.	2.0	30
35	Cadherin Cad99C is regulated by Hedgehog signaling in Drosophila. <i>Developmental Biology</i> , 2005, 279, 142-154.	2.0	26
36	Opposing Transcriptional Outputs of Hedgehog Signaling and Engrailed Control Compartmental Cell Sorting at the Drosophila A/P Boundary. <i>Cell</i> , 2000, 100, 411-422.	28.9	137

#	ARTICLE	IF	CITATIONS
37	Compartment boundaries: at the edge of development. Trends in Genetics, 1999, 15, 320-326.	6.7	196
38	S-phase-promoting cyclin-dependent kinases prevent re-replication by inhibiting the transition of replication origins to a pre-replicative state. Current Biology, 1995, 5, 1257-1269.	3.9	365