Christian Dahmann

List of Publications by Year
in descending order

38 papers	2,486 citations	361413 20 h-index	345221 36 g-index
39 all docs	39 docs citations	39 times ranked	2176 citing authors

#	Article	IF	Citations
1	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
2	Boundary formation and maintenance in tissue development. Nature Reviews Genetics, 2011, 12, 43-55.	16.3	301
3	Increased Cell Bond Tension Governs Cell Sorting at the Drosophila Anteroposterior Compartment Boundary. Current Biology, 2009, 19, 1950-1955.	3.9	282
4	Compartment boundaries: at the edge of development. Trends in Genetics, 1999, 15, 320-326.	6.7	196
5	Extrusion of Cells with Inappropriate Dpp Signaling from Drosophila Wing Disc Epithelia. Science, 2005, 307, 1789-1790.	12.6	148
6	Opposing Transcriptional Outputs of Hedgehog Signaling and Engrailed Control Compartmental Cell Sorting at the Drosophila A/P Boundary. Cell, 2000, 100, 411-422.	28.9	137
7	Physical Mechanisms Shaping the Drosophila Dorsoventral Compartment Boundary. Current Biology, 2012, 22, 967-976.	3.9	116
8	The cadherin Fat2 is required for planar cell polarity in theDrosophilaovary. Development (Cambridge), 2009, 136, 4123-4132.	2.5	107
9	Differential lateral and basal tension drive folding of Drosophila wing discs through two distinct mechanisms. Nature Communications, 2018, 9, 4620.	12.8	103
10	Dpp signaling promotes the cuboidal-to-columnar shape transition of Drosophila wing disc epithelia by regulating Rho1. Journal of Cell Science, 2009, 122, 1362-1373.	2.0	88
11	Local Increases in Mechanical Tension Shape Compartment Boundaries by Biasing Cell Intercalations. Current Biology, 2014, 24, 1798-1805.	3.9	85
12	Microtubule Polarity Predicts Direction of Egg Chamber Rotation in Drosophila. Current Biology, 2013, 23, 1472-1477.	3.9	66
13	Cadherin Cad99C is required for normal microvilli morphology in Drosophila follicle cells. Journal of Cell Science, 2006, 119, 1184-1195.	2.0	60
14	Wingless signaling and the control of cell shape in Drosophila wing imaginal discs. Developmental Biology, 2009, 334, 161-173.	2.0	52
15	A Mutation in fat2ÂUncouples Tissue Elongation from Global Tissue Rotation. Cell Reports, 2016, 14, 2503-2510.	6.4	32
16	A local difference in Hedgehog signal transduction increases mechanical cell bond tension and biases cell intercalations along the Drosophila anteroposterior compartment boundary. Development (Cambridge), 2015, 142, 3845-3858.	2.5	31
17	The role of Dpp signaling in maintaining the Drosophila anteroposterior compartment boundary. Developmental Biology, 2005, 279, 31-43.	2.0	30
18	Hedgehog and Dpp signaling induce cadherin Cad86C expression in the morphogenetic furrow during Drosophila eye development. Mechanisms of Development, 2008, 125, 712-728.	1.7	29

#	Article	IF	Citations
19	Cadherin Cad99C is regulated by Hedgehog signaling in Drosophila. Developmental Biology, 2005, 279, 142-154.	2.0	26
20	Modelling planar polarity of epithelia: the role of signal relay in collective cell polarization. Journal of the Royal Society Interface, 2011, 8, 1059-1063.	3.4	26
21	Tissue mechanical properties modulate cell extrusion in the Drosophila abdominal epidermis. Development (Cambridge), 2020, 147, .	2.5	24
22	Expression patterns of cadherin genes in Drosophila oogenesis. Gene Expression Patterns, 2009, 9, 31-36.	0.8	22
23	An RNA Interference Screen for Genes Required to Shape the Anteroposterior Compartment Boundary in Drosophila Identifies the Eph Receptor. PLoS ONE, 2014, 9, e114340.	2.5	22
24	Distinct contributions of ECM proteins to basement membrane mechanical properties in Drosophila. Development (Cambridge), 2022, 149, .	2.5	19
25	Establishing compartment boundaries in Drosophila wing imaginal discs: An interplay between selector genes, signaling pathways and cell mechanics. Seminars in Cell and Developmental Biology, 2020, 107, 161-169.	5.0	18
26	Cad74A is regulated by BR and is required for robust dorsal appendage formation in Drosophila oogenesis. Developmental Biology, 2008, 322, 289-301.	2.0	16
27	Compartment boundaries. Fly, 2010, 4, 241-245.	1.7	16
28	The Selector Gene apterous and Notch Are Required to Locally Increase Mechanical Cell Bond Tension at the Drosophila Dorsoventral Compartment Boundary. PLoS ONE, 2016, 11, e0161668.	2.5	16
29	Characterization of the Drosophila Ortholog of the Human Usher Syndrome Type 1G Protein Sans. PLoS ONE, 2009, 4, e4753.	2.5	13
30	Increased lateral tension is sufficient for epithelial folding in Drosophila. Development (Cambridge), 2020, 147, .	2.5	11
31	PDZ-domain-binding sites are common among cadherins. Development Genes and Evolution, 2006, 216, 737-741.	0.9	8
32	Signals and mechanics shaping compartment boundaries in Drosophila. Wiley Interdisciplinary Reviews: Developmental Biology, 2015, 4, 407-417.	5.9	5
33	Wingless counteracts epithelial folding by increasing mechanical tension at basal cell edges in Drosophila. Development (Cambridge), 2020, 147, .	2.5	5
34	Charting the unknown currents of cellular flows and forces. Development (Cambridge), 2020, 147, .	2.5	4
35	Regulating mechanical tension at compartment boundaries inDrosophila. Fly, 2016, 10, 204-209.	1.7	3
36	Memorizing Shape to Orient Cell Division. Developmental Cell, 2016, 36, 589-590.	7.0	3

#	Article	IF	Citations
37	Cell-level 3D reconstruction and quantification of the Drosophila wing imaginal disc. International Journal of Bioinformatics Research and Applications, 2019, 15, 174.	0.2	1
38	MoD Special Issue on the roles of physical forces in animal development. Mechanisms of Development, 2017, 144, 1.	1.7	0