Suzanne Eaton

List of Publications by Year
in descending order

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77 papers	10,194 citations	41344 49 h-index	69250 77 g-index
90 all docs	90 docs citations	90 times ranked	8122 citing authors

#	Article	IF	Citations
1	A local insulin reservoir in Drosophila alpha cell homologs ensures developmental progression under nutrient shortage. Current Biology, 2022, 32, 1788-1797.e5.	3.9	6
2	Apico-basal cell compression regulates Lamin A/C levels in epithelial tissues. Nature Communications, 2021, 12, 1756.	12.8	40
3	Self-organized patterning of cell morphology via mechanosensitive feedback. ELife, 2021, 10, .	6.0	31
4	Range of SHH signaling in adrenal gland is limited by membrane contact to cells with primary cilia. Journal of Cell Biology, 2020, 219, .	5.2	12
5	Glycolysis regulates Hedgehog signalling via the plasma membrane potential. EMBO Journal, 2020, 39, e101767.	7.8	15
6	Epithelial Viscoelasticity Is Regulated by Mechanosensitive E-cadherin Turnover. Current Biology, 2019, 29, 578-591.e5.	3.9	126
7	Rabâ€mediated trafficking in the secondary cells of <i>Drosophila</i> male accessory glands and its role in fecundity. Traffic, 2019, 20, 137-151.	2.7	16
8	Differential lateral and basal tension drive folding of Drosophila wing discs through two distinct mechanisms. Nature Communications, 2018, 9, 4620.	12.8	103
9	A Temperature-Dependent Switch in Feeding Preference Improves Drosophila Development and Survival in the Cold. Developmental Cell, 2018, 46, 781-793.e4.	7.0	61
10	Triangles bridge the scales: Quantifying cellular contributions to tissue deformation. Physical Review E, 2017, 95, 032401.	2.1	58
11	Emergence of tissue shape changes from collective cell behaviours. Seminars in Cell and Developmental Biology, 2017, 67, 103-112.	5.0	43
12	PreMosa: extracting 2D surfaces from 3D microscopy mosaics. Bioinformatics, 2017, 33, 2563-2569.	4.1	34
13	Cell dynamics underlying oriented growth of the<i>Drosophila</i>wing imaginal disc. Development (Cambridge), 2017, 144, 4406-4421.	2.5	84
14	Active dynamics of tissue shear flow. New Journal of Physics, 2017, 19, 033006.	2.9	39
15	Hedgehog Signaling Strength Is Orchestrated by the<i>mir-310</i>Cluster of MicroRNAs in Response to Diet. Genetics, 2016, 202, 1167-1183.	2.9	33
16	Segmentation and Quantitative Analysis of Epithelial Tissues. Methods in Molecular Biology, 2016, 1478, 227-239.	0.9	120
17	Lipid Discovery by Combinatorial Screening and Untargeted LC-MS/MS. Scientific Reports, 2016, 6, 27920.	3.3	10
18	Staccato/Unc-13-4 controls secretory lysosome-mediated lumen fusion during epithelial tubeÂanastomosis. Nature Cell Biology, 2016, 18, 727-739.	10.3	42

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19	TissueMiner: A multiscale analysis toolkit to quantify how cellular processes create tissue dynamics. ELife, 2016, 5, .	6.0	111
20	Endocannabinoids are conserved inhibitors of the Hedgehog pathway. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3415-3420.	7.1	68
21	Mitotic cells contract actomyosin cortex and generate pressure to round against or escape epithelial confinement. Nature Communications, 2015, 6, 8872.	12.8	79
22	Clustering and Negative Feedback by Endocytosis in Planar Cell Polarity Signaling Is Modulated by Ubiquitinylation of Prickle. PLoS Genetics, 2015, 11, e1005259.	3.5	51
23	The Ecdysteroidome of <i>Drosophila</i>: influence of diet and development. Development (Cambridge), 2015, 142, 3758-68.	2.5	59
24	Endogenously Tagged Rab Proteins: A Resource to Study Membrane Trafficking in Drosophila. Developmental Cell, 2015, 33, 351-365.	7.0	159
25	Changes in morphology and function of adrenal cortex in mice fed a high-fat diet. International Journal of Obesity, 2015, 39, 321-330.	3.4	41
26	Interplay of cell dynamics and epithelial tension during morphogenesis of the Drosophila pupal wing. ELife, 2015, 4, e07090.	6.0	290
27	Production of systemically circulating Hedgehog by the intestine couples nutrition to growth and development. Genes and Development, 2014, 28, 2636-2651.	5.9	88
28	Cargo Sorting in the Endocytic Pathway: A Key Regulator of Cell Polarity and Tissue Dynamics. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016899-a016899.	5.5	60
29	The Balance of Prickle/Spiny-Legs Isoforms Controls the Amount of Coupling between Core and Fat PCP Systems. Current Biology, 2014, 24, 2111-2123.	3.9	67
30	Local Increases in Mechanical Tension Shape Compartment Boundaries by Biasing Cell Intercalations. Current Biology, 2014, 24, 1798-1805.	3.9	85
31	Delivery of circulating lipoproteins to specific neurons in the Drosophila brain regulates systemic insulin signaling. ELife, 2014, 3, .	6.0	81
32	Secretion and Signaling Activities of Lipoprotein-Associated Hedgehog and Non-Sterol-Modified Hedgehog in Flies and Mammals. PLoS Biology, 2013, 11, e1001505.	5.6	91
33	Lipoproteins and <scp>H</scp>edgehog signalling â€" possible implications for the adrenal gland function. European Journal of Clinical Investigation, 2013, 43, 1178-1183.	3.4	6
34	Microsomal triacylglycerol transfer protein (MTP) is required to expand tracheal lumen in Drosophila in a cell-autonomous manner. Development (Cambridge), 2013, 140, e708-e708.	2.5	0
35	Microsomal triacylglycerol transfer protein (MTP) is required to expand tracheal lumen in <i>Drosophila</i> in a cell-autonomous manner. Journal of Cell Science, 2012, 125, 6038-6048.	2.0	16
36	Establishment of Global Patterns of Planar Polarity during Growth of the Drosophila Wing Epithelium. Current Biology, 2012, 22, 1296-1301.	3.9	98

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37	Effects of diet and development on the <i>Drosophila</i> lipidome. Molecular Systems Biology, 2012, 8, 600.	7.2	240
38	Lipoproteins in Drosophila melanogasterâ€”Assembly, Function, and Influence on Tissue Lipid Composition. PLoS Genetics, 2012, 8, e1002828.	3.5	209
39	Cell flow and tissue polarity patterns. Current Opinion in Genetics and Development, 2011, 21, 747-752.	3.3	56
40	Megalin-dependent Yellow endocytosis restricts melanization in the Drosophila cuticle. Development (Cambridge), 2011, 138, 149-158.	2.5	87
41	A novel function for the Rab5 effector Rabenosyn-5 in planar cell polarity. Development (Cambridge), 2010, 137, 2353-2364.	2.5	44
42	Lipoprotein Particles Cross the Bloodâ€“Brain Barrier in<i>Drosophila</i>. Journal of Neuroscience, 2010, 30, 10441-10447.	3.6	84
43	Survival strategies of a sterol auxotroph. Development (Cambridge), 2010, 137, 3675-3685.	2.5	125
44	Cell Flow Reorients the Axis of Planar Polarity in the Wing Epithelium of Drosophila. Cell, 2010, 142, 773-786.	28.9	650
45	Patched regulates Smoothened trafficking using lipoprotein-derived lipids. Development (Cambridge), 2009, 136, 4111-4121.	2.5	85
46	Myosin II Dynamics Are Regulated by Tension in Intercalating Cells. Developmental Cell, 2009, 17, 736-743.	7.0	581
47	Multiple roles for lipids in the Hedgehog signalling pathway. Nature Reviews Molecular Cell Biology, 2008, 9, 437-445.	37.0	118
48	Imaging Drosophila Pupal Wing Morphogenesis. Methods in Molecular Biology, 2008, 420, 265-275.	0.9	46
49	Retromer Retrieves Wntless. Developmental Cell, 2008, 14, 4-6.	7.0	80
50	Lipoproteins and their receptors in embryonic development: more than cholesterol clearance. Development (Cambridge), 2007, 134, 3239-3249.	2.5	64
51	Lipoprotein-Heparan Sulfate Interactions in the Hh Pathway. Developmental Cell, 2007, 13, 57-71.	7.0	139
52	The Influence of Cell Mechanics, Cell-Cell Interactions, and Proliferation on Epithelial Packing. Current Biology, 2007, 17, 2095-2104.	3.9	1,039
53	RNAi in the Hedgehog Signaling Pathway: pFRiPE, a Vector for Temporally and Spatially Controlled RNAi in Drosophila. Methods in Molecular Biology, 2007, 397, 115-128.	0.9	5
54	Release and trafficking of lipid-linked morphogens. Current Opinion in Genetics and Development, 2006, 16, 17-22.	3.3	62

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55	The endocytic pathway and formation of the Wingless morphogen gradient. Development (Cambridge), 2006, 133, 307-317.	2.5	156
56	Lipoprotein particles are required for Hedgehog and Wingless signalling. Nature, 2005, 435, 58-65.	27.8	611
57	Hexagonal Packing of Drosophila Wing Epithelial Cells by the Planar Cell Polarity Pathway. Developmental Cell, 2005, 9, 805-817.	7.0	386
58	Diego interacts with Prickle and Strabismus/Van Gogh to localize planar cell polarity complexes. Development (Cambridge), 2004, 131, 4467-4476.	2.5	133
59	Cell biology of planar polarity transmission in the Drosophila wing. Mechanisms of Development, 2003, 120, 1257-1264.	1.7	53
60	Embryo morphogenesis: getting down to cells and molecules. Development (Cambridge), 2003, 130, 4229-4233.	2.5	14
61	Planar cell polarization requires Widerborst, a Bâ€² regulatory subunit of protein phosphatase 2A. Development (Cambridge), 2002, 129, 3493-3503.	2.5	113
62	The Ankyrin Repeat Protein Diego Mediates Frizzled-Dependent Planar Polarization. Developmental Cell, 2001, 1, 93-101.	7.0	221
63	Argosomes. Cell, 2001, 106, 633-645.	28.9	393
64	Cholesterol in signal transduction. Current Opinion in Cell Biology, 2000, 12, 193-203.	5.4	207
65	Association of Sterol- and Glycosylphosphatidylinositol-linked Proteins with Drosophila Raft Lipid Microdomains. Journal of Biological Chemistry, 1999, 274, 12049-12054.	3.4	274
66	The Drosophila STE20-like kinase Misshapen is required downstream of the Frizzled receptor in planar polarity signaling. EMBO Journal, 1999, 18, 4669-4678.	7.8	98
67	Planar polarization of Drosophila and vertebrate epithelia. Current Opinion in Cell Biology, 1997, 9, 860-866.	5.4	121
68	Wnt signal transduction: more than one way to skin a (Î²-)cat?. Trends in Cell Biology, 1996, 6, 287-290.	7.9	16
69	Roles for Rac1 and Cdc42 in planar polarization and hair outgrowth in the wing of Drosophila.. Journal of Cell Biology, 1996, 135, 1277-1289.	5.2	203
70	CDC42 and Rac1 control different actin-dependent processes in the Drosophila wing disc epithelium.. Journal of Cell Biology, 1995, 131, 151-164.	5.2	183
71	Apical, basal, and lateral cues for epithelial polarization. Cell, 1995, 82, 5-8.	28.9	176
72	The Drosophila hedgehog gene is expressed specifically in posterior compartment cells and is a target of engrailed regulation.. Genes and Development, 1992, 6, 2635-2645.	5.9	382

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73	Repression of ci-D in posterior compartments of Drosophila by engrailed.. Genes and Development, 1990, 4, 1068-1077.	5.9	203
74	Transcriptional Regulation of Immunoglobulin Heavy Chain and T-Cell Receptor Beta Chain Genes. , 1989, 254, 77-86.		0
75	Transcriptional Controlling Elements in the Immunoglobulin and T Cell Receptor Loci. Advances in Immunology, 1988, 43, 235-275.	2.2	49
76	Purified ÂµEBP-E Binds to Immunoglobulin Enhancers and Promoters. Molecular and Cellular Biology, 1988, 8, 4972-4980.	2.3	24
77	Multiple DNA sequence elements are necessary for the function of an immunoglobulin heavy chain promoter.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 7634-7638.	7.1	126