

David Strutt

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

6,441
citations

94269

37
h-index

88477

70
g-index

102
all docs

102
docs citations

102
times ranked

3649
citing authors

#	ARTICLE	IF	CITATIONS
1	Dishevelled Activates JNK and Discriminates between JNK Pathways in Planar Polarity and wingless Signaling. <i>Cell</i> , 1998, 94, 109-118.	13.5	730
2	The role of RhoA in tissue polarity and Frizzled signalling. <i>Nature</i> , 1997, 387, 292-295.	13.7	520
3	Principles of planar polarity in animal development. <i>Development (Cambridge)</i> , 2011, 138, 1877-1892.	1.2	493
4	Asymmetric Localization of Frizzled and the Establishment of Cell Polarity in the Drosophila Wing. <i>Molecular Cell</i> , 2001, 7, 367-375.	4.5	297
5	Strabismus is asymmetrically localised and binds to Prickle and Dishevelled during Drosophila planar polarity patterning. <i>Development (Cambridge)</i> , 2003, 130, 3007-3014.	1.2	285
6	Polarized Transport of Frizzled along the Planar Microtubule Arrays in Drosophila Wing Epithelium. <i>Developmental Cell</i> , 2006, 10, 209-222.	3.1	262
7	Frizzled signalling and cell polarisation in Drosophila and vertebrates. <i>Development (Cambridge)</i> , 2003, 130, 4501-4513.	1.2	212
8	Targets of homeotic gene control in Drosophila. <i>Nature</i> , 1990, 348, 308-312.	13.7	169
9	Nuclear signaling by Rac and Rho GTPases is required in the establishment of epithelial planar polarity in the Drosophila eye. <i>Current Biology</i> , 2000, 10, 979-S1.	1.8	168
10	Nonautonomous Planar Polarity Patterning in Drosophila. <i>Developmental Cell</i> , 2002, 3, 851-863.	3.1	165
11	Polarity determination in the Drosophila eye: a novel role for Unpaired and JAK/STAT signaling. <i>Genes and Development</i> , 1999, 13, 1342-1353.	2.7	149
12	Asymmetric Localization of Frizzled and the Determination of Notch-Dependent Cell Fate in the Drosophila Eye. <i>Current Biology</i> , 2002, 12, 813-824.	1.8	146
13	Differential Stability of Flamingo Protein Complexes Underlies the Establishment of Planar Polarity. <i>Current Biology</i> , 2008, 18, 1555-1564.	1.8	143
14	Four-Jointed Modulates Growth and Planar Polarity by Reducing the Affinity of Dachsoos for Fat. <i>Current Biology</i> , 2010, 20, 803-810.	1.8	132
15	Planar Polarity Specification through Asymmetric Subcellular Localization of Fat and Dachsoos. <i>Current Biology</i> , 2012, 22, 907-914.	1.8	128
16	Regulation of furrow progression in the Drosophila eye by cAMP-dependent protein kinase A. <i>Nature</i> , 1995, 373, 705-709.	13.7	127
17	Asymmetric localisation of planar polarity proteins: Mechanisms and consequences. <i>Seminars in Cell and Developmental Biology</i> , 2009, 20, 957-963.	2.3	127
18	The four-jointed gene is required in the Drosophila eye for ommatidial polarity specification. <i>Current Biology</i> , 1999, 9, 1363-1372.	1.8	126

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19	Multiple Roles for four-jointed in Planar Polarity and Limb Patterning. <i>Developmental Biology</i> , 2000, 228, 181-196.	0.9	124
20	Dynamics of Core Planar Polarity Protein Turnover and Stable Assembly into Discrete Membrane Subdomains. <i>Developmental Cell</i> , 2011, 20, 511-525.	3.1	115
21	Differential activities of the core planar polarity proteins during <i>Drosophila</i> wing patterning. <i>Developmental Biology</i> , 2007, 302, 181-194.	0.9	100
22	An intracellular partitioning-based framework for tissue cell polarity in plants and animals. <i>Development (Cambridge)</i> , 2013, 140, 2061-2074.	1.2	98
23	Planar Polarity Is Positively Regulated by Casein Kinase I ϵ in <i>Drosophila</i> . <i>Current Biology</i> , 2006, 16, 1329-1336.	1.8	92
24	The roles of the cadherins Fat and Dachshous in planar polarity specification in <i>Drosophila</i> . <i>Developmental Dynamics</i> , 2012, 241, 27-39.	0.8	90
25	The asymmetric subcellular localisation of components of the planar polarity pathway. <i>Seminars in Cell and Developmental Biology</i> , 2002, 13, 225-231.	2.3	87
26	The planar polarity pathway promotes coordinated cell migration during <i>Drosophila</i> oogenesis. <i>Development (Cambridge)</i> , 2007, 134, 3055-3064.	1.2	84
27	Cleavage and secretion is not required for Four-jointed function in <i>Drosophila</i> patterning. <i>Development (Cambridge)</i> , 2004, 131, 881-890.	1.2	82
28	Polarity determination in the <i>Drosophila</i> eye. <i>Current Opinion in Genetics and Development</i> , 1999, 9, 442-446.	1.5	80
29	The Frizzled-dependent planar polarity pathway locally promotes E-cadherin turnover via recruitment of RhoGEF2. <i>Development (Cambridge)</i> , 2013, 140, 1045-1054.	1.2	80
30	Long-range coordination of planar polarity in <i>Drosophila</i> . <i>BioEssays</i> , 2005, 27, 1218-1227.	1.2	78
31	Planar polarity genes in the <i>Drosophila</i> wing regulate the localisation of the FH3-domain protein Multiple Wing Hairs to control the site of hair production. <i>Development (Cambridge)</i> , 2008, 135, 3103-3111.	1.2	65
32	EGF Signaling and Ommatidial Rotation in the <i>Drosophila</i> Eye. <i>Current Biology</i> , 2003, 13, 1451-1457.	1.8	60
33	Conservation of Planar Polarity Pathway Function Across the Animal Kingdom. <i>Annual Review of Genetics</i> , 2015, 49, 529-551.	3.2	55
34	Robust Wnt signaling is maintained by a Wg protein gradient and Fz2 receptor activity in the developing <i>Drosophila</i> wing. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	51
35	Cellular interpretation of the long-range gradient of Four-jointed activity in the <i>Drosophila</i> wing. <i>ELife</i> , 2015, 4, .	2.8	49
36	The planar polarity pathway. <i>Current Biology</i> , 2008, 18, R898-R902.	1.8	48

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37	Robust Asymmetric Localization of Planar Polarity Proteins Is Associated with Organization into Signalosome-like Domains of Variable Stoichiometry. <i>Cell Reports</i> , 2016, 17, 2660-2671.	2.9	48
38	A Cul-3-BTB ubiquitylation pathway regulates junctional levels and asymmetry of core planar polarity proteins. <i>Development (Cambridge)</i> , 2013, 140, 1693-1702.	1.2	46
39	Microcephalin coordinates mitosis in the syncytial <i>Drosophila</i> embryo. <i>Journal of Cell Science</i> , 2007, 120, 3578-3588.	1.2	39
40	Gradients and the Specification of Planar Polarity in the Insect Cuticle. <i>Cold Spring Harbor Perspectives in Biology</i> , 2009, 1, a000489-a000489.	2.3	38
41	Strabismus Promotes Recruitment and Degradation of Farnesylated Prickle in <i>Drosophila melanogaster</i> Planar Polarity Specification. <i>PLoS Genetics</i> , 2013, 9, e1003654.	1.5	37
42	A Dual Function for Prickle in Regulating Frizzled Stability during Feedback-Dependent Amplification of Planar Polarity. <i>Current Biology</i> , 2017, 27, 2784-2797.e3.	1.8	33
43	Planar Cell Polarity Effector Proteins Inturned and Fuzzy Form a Rab23 GEF Complex. <i>Current Biology</i> , 2019, 29, 3323-3330.e8.	1.8	33
44	Molecular mechanisms mediating asymmetric subcellular localisation of the core planar polarity pathway proteins. <i>Biochemical Society Transactions</i> , 2020, 48, 1297-1308.	1.6	30
45	Control of tissue morphology by Fasciclin III-mediated intercellular adhesion. <i>Development (Cambridge)</i> , 2013, 140, 3858-3868.	1.2	29
46	Localised JAK/STAT Pathway Activation Is Required for <i>Drosophila</i> Wing Hinge Development. <i>PLoS ONE</i> , 2013, 8, e65076.	1.1	28
47	The regulation of hedgehog and decapentaplegic during <i>Drosophila</i> eye imaginal disc development. <i>Mechanisms of Development</i> , 1996, 58, 39-50.	1.7	27
48	How do the Fat ² and core planar polarity pathways act together and independently to coordinate polarized cell behaviours?. <i>Open Biology</i> , 2021, 11, 200356.	1.5	26
49	Reciprocal action of Casein Kinase II on core planar polarity proteins regulates clustering and asymmetric localisation. <i>ELife</i> , 2019, 8, .	2.8	24
50	Characterisation of T48, a target of homeotic gene regulation in <i>Drosophila</i> embryogenesis. <i>Mechanisms of Development</i> , 1994, 46, 27-39.	1.7	20
51	Planar polarity: Getting ready to ROCK. <i>Current Biology</i> , 2001, 11, R506-R509.	1.8	18
52	Rabaptin-5 and Rabex-5 are neoplastic tumour suppressor genes that interact to modulate Rab5 dynamics in <i>Drosophila melanogaster</i> . <i>Developmental Biology</i> , 2014, 385, 107-121.	0.9	18
53	Organ Shape: Controlling Oriented Cell Division. <i>Current Biology</i> , 2005, 15, R758-R759.	1.8	16
54	Retromer Controls Planar Polarity Protein Levels and Asymmetric Localization at Intercellular Junctions. <i>Current Biology</i> , 2019, 29, 484-491.e6.	1.8	16

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55	Structureâ€“Function Dissection of the Frizzled Receptor in <i>Drosophila melanogaster</i> Suggests Different Mechanisms of Action in Planar Polarity and Canonical Wnt Signaling. <i>Genetics</i> , 2012, 192, 1295-1313.	1.2	14
56	A theoretical framework for planar polarity establishment through interpretation of graded cues by molecular bridges. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	13
57	QuantifyPolarity, a new tool-kit for measuring planar polarized protein distributions and cell properties in developing tissues. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	11
58	Adhesion GPCRs Govern Polarity of Epithelia and Cell Migration. <i>Handbook of Experimental Pharmacology</i> , 2016, 234, 249-274.	0.9	9
59	Planar Polarity: Photoreceptors on a High Fat Diet. <i>Current Biology</i> , 2002, 12, R384-R385.	1.8	8
60	Planar cell polarity: the Dachshous/Fat system contributes differently to the embryonic and larval stages of <i>Drosophila</i> . <i>Biology Open</i> , 2016, 5, 397-408.	0.6	7
61	Rapid Disruption of Dishevelled Activity Uncovers an Intercellular Role in Maintenance of Prickle in Core Planar Polarity Protein Complexes. <i>Cell Reports</i> , 2018, 25, 1415-1424.e6.	2.9	7
62	Integrating planar polarity and tissue mechanics in computational models of epithelial morphogenesis. <i>Current Opinion in Systems Biology</i> , 2017, 5, 41-49.	1.3	5
63	Experimental and Theoretical Evidence for Bidirectional Signaling via Core Planar Polarity Protein Complexes in <i>Drosophila</i> . <i>IScience</i> , 2019, 17, 49-66.	1.9	5
64	DAnkrd49 and Bdbt act via Casein kinase Î¼ to regulate planar polarity in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2020, 16, e1008820.	1.5	4
65	Use of Fluorescence Recovery After Photobleaching (FRAP) to Measure In Vivo Dynamics of Cell Junctionâ€“Associated Polarity Proteins. <i>Methods in Molecular Biology</i> , 2022, 2438, 1-30.	0.4	4
66	Selective function of the PDZ domain of Dishevelled in noncanonical Wnt signalling. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	3
67	Longâ€“range coordination of planar polarity patterning in <i>Drosophila</i> . <i>Advances in Developmental Biology (Amsterdam, Netherlands)</i> , 2005, 14, 39-57.	0.4	1
68	Mathematical Modeling of Planar Polarity. <i>Developmental Cell</i> , 2005, 8, 134-136.	3.1	1
69	Frizzled Signaling: GÎ± and Rab5 at the Crossroads of the Canonical and PCP Pathways?. <i>Science Signaling</i> , 2010, 3, pe43.	1.6	1
70	Planar Polarity: Forcing Cells Into Line. <i>Current Biology</i> , 2015, 25, R1032-R1034.	1.8	1
71	The Frizzled-dependent planar polarity pathway locally promotes E-cadherin turnover via recruitment of RhoGEF2. <i>Journal of Cell Science</i> , 2013, 126, e1-e1.	1.2	0