Gary Struhl

List of Publications by Year
in descending order

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Version: 2024-02-01

48 papers	12,214 citations	87723 38 h-index	205818 48 g-index
50 all docs	50 docs citations	50 times ranked	7877 citing authors

#	Article	IF	Citations
1	Regulation of the Hedgehog and Wingless signalling pathways by the F-box/WD40-repeat protein Slimb. Nature, 1998, 391, 493-496.	13.7	1,610
2	Direct and Long-Range Action of a DPP Morphogen Gradient. Cell, 1996, 85, 357-368.	13.5	888
3	Compartment boundaries and the control of Drosopfiffa limb pattern by hedgehog protein. Nature, 1994, 368, 208-214.	13.7	843
4	Organizing activity of wingless protein in Drosophila. Cell, 1993, 72, 527-540.	13.5	837
5	Dual Roles for Patched in Sequestering and Transducing Hedgehog. Cell, 1996, 87, 553-563.	13.5	832
6	Nuclear Access and Action of Notch In Vivo. Cell, 1998, 93, 649-660.	13.5	713
7	Direct and Long-Range Action of a Wingless Morphogen Gradient. Cell, 1996, 87, 833-844.	13.5	700
8	Morphogens, Compartments, and Pattern: Lessons from Drosophila?. Cell, 1996, 85, 951-961.	13.5	547
9	Requirements for Presenilin-Dependent Cleavage of Notch and Other Transmembrane Proteins. Molecular Cell, 2000, 6, 625-636.	4.5	393
10	A gene product required for correct initiation of segmental determination in Drosophila. Nature, 1981, 293, 36-41.	13.7	378
11	Cis- acting sequences responsible for anterior localization of bicoid mRNA in Drosophila embryos. Nature, 1988, 336, 595-598.	13.7	345
12	RNA recognition and translational regulation by a homeodomain protein. Nature, 1996, 379, 694-699.	13.7	332
13	Protein kinase A and hedgehog signaling in drosophila limb development. Cell, 1995, 80, 563-572.	13.5	324
14	A homoeotic mutation transforming leg to antenna in Drosophila. Nature, 1981, 292, 635-638.	13.7	260
15	Borders of parasegments in Drosophila embryos are delimited by the fushi tarazu and even-skipped genes. Nature, 1987, 328, 440-442.	13.7	240
16	Drosophila Epsin mediates a select endocytic pathway that DSL ligands must enter to activate Notch. Development (Cambridge), 2004, 131, 5367-5380.	1.2	220
17	Differing strategies for organizing anterior and posterior body pattern in Drosophila embryos. Nature, 1989, 338, 741-744.	13.7	211
18	Planar cell polarity: one or two pathways?. Nature Reviews Genetics, 2007, 8, 555-563.	7.7	204

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19	Two separate molecular systems, Dachsous/Fat and Starry night/Frizzled,act independently to confer planar cell polarity. Development (Cambridge), 2006, 133, 4561-4572.	1.2	195
20	Causal role for inheritance of H3K27me3 in maintaining the OFF state of a Drosophila HOX gene. Science, 2017, 356, .	6.0	182
21	Distinct roles for Mind bomb, Neuralized and Epsin in mediating DSL endocytosis and signaling in Drosophila. Development (Cambridge), 2005, 132, 2883-2894.	1.2	158
22	Nicastrin is required for Presenilin-mediated transmembrane cleavage in Drosophila. Nature Cell Biology, 2001, 3, 1129-1132.	4.6	152
23	Cell interactions and planar polarity in the abdominal epidermis ofDrosophila. Development (Cambridge), 2004, 131, 4651-4664.	1.2	150
24	Developmental Compartments and Planar Polarity in Drosophila. Current Biology, 2002, 12, 1189-1198.	1.8	136
25	Splitting the bithorax complex of Drosophila. Nature, 1984, 308, 454-457.	13.7	133
26	A Feed-Forward Circuit Linking Wingless, Fat-Dachsous Signaling, and the Warts-Hippo Pathway to Drosophila Wing Growth. PLoS Biology, 2010, 8, e1000386.	2.6	130
27	Early role of the esc+ gene product in the determination of segments in Drosophila. Cell, 1982, 31, 285-292.	13.5	118
28	Epsin-Dependent Ligand Endocytosis Activates Notch by Force. Cell, 2017, 171, 1383-1396.e12.	13.5	103
29	The torso receptor localizes as well as transduces the spatial signal specifying terminal body pattern in Drosophila. Nature, 1993, 362, 152-155.	13.7	95
30	Recruitment of cells into theDrosophilawing primordium by a feed-forward circuit ofvestigialautoregulation. Development (Cambridge), 2007, 134, 3001-3010.	1.2	95
31	Subdivision of theDrosophilawing imaginal disc by EGFR-mediated signaling. Development (Cambridge), 2002, 129, 1357-1368.	1.2	85
32	Control ofDrosophilawing growth by thevestigialquadrant enhancer. Development (Cambridge), 2007, 134, 3011-3020.	1.2	70
33	Do the protocadherins Fat and Dachsous link up to determine both planar cell polarity and the dimensions of organs?. Nature Cell Biology, 2008, 10, 1379-1382.	4.6	70
34	Control of growth and patterning of theDrosophilawing imaginal disc by EGFR-mediated signaling. Development (Cambridge), 2002, 129, 1369-1376.	1.2	69
35	Dissecting the molecular bridges that mediate the function of Frizzled in planar cell polarity. Development (Cambridge), 2012, 139, 3665-3674.	1.2	62
36	Sequence-specific RNA binding by Bicoid. Nature, 1997, 388, 634-634.	13.7	53

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37	Fat/Dachsous Signaling Promotes Drosophila Wing Growth by Regulating the Conformational State of the NDR Kinase Warts. Developmental Cell, 2015, 35, 737-749.	3.1	50
38	Scaling the Drosophila Wing: TOR-Dependent Target Gene Access by the Hippo Pathway Transducer Yorkie. PLoS Biology, 2015, 13, e1002274.	2.6	47
39	Subdivision of the Drosophila wing imaginal disc by EGFR-mediated signaling. Development (Cambridge), 2002, 129, 1357-68.	1.2	37
40	Control of Drosophila wing size by morphogen range and hormonal gating. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31935-31944.	3.3	32
41	Control of growth and patterning of the Drosophila wing imaginal disc by EGFR-mediated signaling. Development (Cambridge), 2002, 129, 1369-76.	1.2	30
42	Notch Is Required in Adult Drosophila Sensory Neurons for Morphological and Functional Plasticity of the Olfactory Circuit. PLoS Genetics, 2015, 11, e1005244.	1.5	28
43	Planar Cell Polarity: A Bridge Too Far?. Current Biology, 2008, 18, R959-R961.	1.8	17
44	A unified mechanism for the control of Drosophila wing growth by the morphogens Decapentaplegic and Wingless. PLoS Biology, 2021, 19, e3001111.	2.6	15
45	Tethered wings. Nature, 2014, 505, 162-163.	13.7	12
46	Morphogen Gradients and the Control of Body Pattern in Insect Embryos. Novartis Foundation Symposium, 1989, 144, 65-98.	1.2	5
47	Decapentaplegic â€" hopes held out. Nature, 1982, 298, 13-14.	13.7	4
48	Evolutionary plasticity in the requirement for force exerted by ligand endocytosis to activate C.Âelegans Notch proteins. Current Biology, 2022, 32, 2263-2271.e6.	1.8	4