

François Schweiguth

List of Publications by Year in descending order

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72
papers

5,422
citations

109321

35
h-index

85541

71
g-index

84
all docs

84
docs citations

84
times ranked

4854
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppressor of Hairless, the Drosophila homolog of the mouse recombination signal-binding protein gene, controls sensory organ cell fates. <i>Cell</i> , 1992, 69, 1199-1212.	28.9	276
2	Transcription of bxd Noncoding RNAs Promoted by Trithorax Represses Ubx in cis by Transcriptional Interference. <i>Cell</i> , 2006, 127, 1209-1221.	28.9	253
3	Mechanism and Significance of cis-Inhibition in Notch Signalling. <i>Current Biology</i> , 2011, 21, R40-R47.	3.9	229
4	Indirect evidence for Delta-dependent intracellular processing of Notch in Drosophila embryos. <i>Current Biology</i> , 1998, 8, 771-775.	3.9	224
5	Frizzled regulates localization of cell-fate determinants and mitotic spindle rotation during asymmetric cell division. <i>Nature Cell Biology</i> , 2001, 3, 50-57.	10.3	222
6	Unequal Segregation of Neuralized Biases Notch Activation during Asymmetric Cell Division. <i>Developmental Cell</i> , 2003, 5, 139-148.	7.0	220
7	The Partner of Inscuteable/Discs-Large Complex Is Required to Establish Planar Polarity during Asymmetric Cell Division in Drosophila. <i>Cell</i> , 2001, 106, 355-366.	28.9	216
8	Frizzled signalling controls orientation of asymmetric sense organ precursor cell divisions in Drosophila. <i>Nature</i> , 1998, 393, 178-181.	27.8	207
9	aPKC-mediated phosphorylation regulates asymmetric membrane localization of the cell fate determinant Numb. <i>EMBO Journal</i> , 2007, 26, 468-480.	7.8	196
10	Regulation of notch signaling activity. <i>Current Biology</i> , 2004, 14, R129-38.	3.9	193
11	Transcriptional repression by Suppressor of Hairless involves the binding of a Hairless-dCtBP complex in Drosophila. <i>Current Biology</i> , 2001, 11, 789-792.	3.9	167
12	Transcriptional control of stem cell maintenance in the <i>Drosophila</i> intestine. <i>Development (Cambridge)</i> , 2010, 137, 705-714.	2.5	163
13	TspanC8 tetraspanins regulate ADAM10/Kuzbanian trafficking and promote Notch activation in flies and mammals. <i>Journal of Cell Biology</i> , 2012, 199, 481-496.	5.2	161
14	Two Distinct E3 Ubiquitin Ligases Have Complementary Functions in the Regulation of Delta and Serrate Signaling in Drosophila. <i>PLoS Biology</i> , 2005, 3, e96.	5.6	149
15	Mechanisms of Notch signaling: a simple logic deployed in time and space. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	140
16	Distinct levels of Notch activity for commitment and terminal differentiation of stem cells in the adult fly intestine. <i>Development (Cambridge)</i> , 2011, 138, 4585-4595.	2.5	137
17	<i>Drosophila</i> Ric-8 regulates G α i cortical localization to promote G α i-dependent planar orientation of the mitotic spindle during asymmetric cell division. <i>Nature Cell Biology</i> , 2005, 7, 1083-1090.	10.3	129
18	Endocytosis by Numb breaks Notch symmetry at γ -Cytokinesis. <i>Nature Cell Biology</i> , 2012, 14, 131-139.	10.3	126

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19	Self-organized Notch dynamics generate stereotyped sensory organ patterns in <i>Drosophila</i> . <i>Science</i> , 2017, 356, .	12.6	122
20	<i>Drosophila</i> E-Cadherin Regulates the Orientation of Asymmetric Cell Division in the Sensory Organ Lineage. <i>Current Biology</i> , 2002, 12, 95-104.	3.9	116
21	Lethal Giant Larvae Controls the Localization of Notch-Signaling Regulators Numb, Neuralized, and Sanpodo in <i>Drosophila</i> Sensory-Organ Precursor Cells. <i>Current Biology</i> , 2005, 15, 955-962.	3.9	104
22	Cell polarity: the ups and downs of the Par6/aPKC complex. <i>Current Opinion in Genetics and Development</i> , 2003, 13, 341-350.	3.3	103
23	Bearded Family Members Inhibit Neuralized-Mediated Endocytosis and Signaling Activity of Delta in <i>Drosophila</i> . <i>Developmental Cell</i> , 2006, 10, 245-255.	7.0	95
24	Aurora B and Cyclin B Have Opposite Effects on the Timing of Cytokinesis Abscission in <i>Drosophila</i> Germ Cells and in Vertebrate Somatic Cells. <i>Developmental Cell</i> , 2013, 26, 250-265.	7.0	93
25	Self-Organization in Pattern Formation. <i>Developmental Cell</i> , 2019, 49, 659-677.	7.0	89
26	Asymmetric localization and function of cell-fate determinants: a fly's view. <i>Current Opinion in Neurobiology</i> , 2004, 14, 6-14.	4.2	77
27	Notch Signaling: Endocytosis Makes Delta Signal Better. <i>Current Biology</i> , 2003, 13, R273-R275.	3.9	76
28	Planar Cell Polarity Breaks the Symmetry of PAR Protein Distribution prior to Mitosis in <i>Drosophila</i> Sensory Organ Precursor Cells. <i>Current Biology</i> , 2015, 25, 1104-1110.	3.9	76
29	Numb Localizes at Endosomes and Controls the Endosomal Sorting of Notch after Asymmetric Division in <i>Drosophila</i> . <i>Current Biology</i> , 2013, 23, 588-593.	3.9	70
30	Asymmetric cell division in the <i>Drosophila</i> bristle lineage: from the polarization of sensory organ precursor cells to Notch-mediated binary fate decision. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2015, 4, 299-309.	5.9	69
31	A fluorescent tagging approach in <i>Drosophila</i> reveals late endosomal trafficking of Notch and Sanpodo. <i>Journal of Cell Biology</i> , 2014, 207, 351-363.	5.2	49
32	Snail is required for Delta endocytosis and Notch-dependent activation of single-minded expression. <i>Development Genes and Evolution</i> , 2003, 213, 65-72.	0.9	48
33	Notch ligand activity is modulated by glycosphingolipid membrane composition in <i>Drosophila melanogaster</i> . <i>Journal of Cell Biology</i> , 2010, 188, 581-594.	5.2	43
34	Spatial regulation of contractility by Neuralized and Bearded during furrow invagination in <i>Drosophila</i> . <i>Nature Communications</i> , 2017, 8, 1594.	12.8	41
35	Regulation of epithelial polarity by the E3 ubiquitin ligase Neuralized and the Bearded inhibitors in <i>Drosophila</i> . <i>Nature Cell Biology</i> , 2012, 14, 467-476.	10.3	36
36	Optogenetic inhibition of Delta reveals digital Notch signalling output during tissue differentiation. <i>EMBO Reports</i> , 2019, 20, e47999.	4.5	35

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37	Neuralized regulates Crumbs endocytosis and epithelium morphogenesis via specific Stardust isoforms. <i>Journal of Cell Biology</i> , 2017, 216, 1405-1420.	5.2	33
38	Control of Neural Daughter Cell Proliferation by Multi-level Notch/Su(H)/E(spl)-HLH Signaling. <i>PLoS Genetics</i> , 2016, 12, e1005984.	3.5	33
39	Intra-lineage Fate Decisions Involve Activation of Notch Receptors Basal to the Midbody in <i>Drosophila</i> Sensory Organ Precursor Cells. <i>Current Biology</i> , 2017, 27, 2239-2247.e3.	3.9	32
40	Glycosphingolipids in signaling and development: From liposomes to model organisms. <i>Developmental Dynamics</i> , 2012, 241, 92-106.	1.8	30
41	Lineage diversity in the <i>Drosophila</i> nervous system. <i>Current Opinion in Genetics and Development</i> , 2001, 11, 418-423.	3.3	29
42	Genome Engineering-Based Analysis of <i>Bearded</i> Family Genes Reveals Both Functional Redundancy and a Nonessential Function in Lateral Inhibition in <i>Drosophila</i> . <i>Genetics</i> , 2009, 182, 1101-1108.	2.9	29
43	Control of cell fate choices by lateral signaling in the adult peripheral nervous system of <i>Drosophila melanogaster</i> . <i>Genesis</i> , 1996, 18, 28-39.	2.1	28
44	Van Gogh and Frizzled Act Redundantly in the <i>Drosophila</i> Sensory Organ Precursor Cell to Orient Its Asymmetric Division. <i>PLoS ONE</i> , 2009, 4, e4485.	2.5	26
45	Stem Cell Proliferation Is Kept in Check by the Chromatin Regulators Kismet/CHD7/CHD8 and Trr/MLL3/4. <i>Developmental Cell</i> , 2019, 49, 556-573.e6.	7.0	25
46	Genome-wide identification of cis-regulatory motifs and modules underlying gene coregulation using statistics and phylogeny. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 14615-14620.	7.1	24
47	A <i>Wolbachia</i> -Sensitive Communication between Male and Female Pupae Controls Gamete Compatibility in <i>Drosophila</i> . <i>Current Biology</i> , 2015, 25, 2339-2348.	3.9	24
48	Regulation of Notch output dynamics via specific E(spl)-HLH factors during bristle patterning in <i>Drosophila</i> . <i>Nature Communications</i> , 2019, 10, 3486.	12.8	23
49	Notch Signalling: Receptor cis-Inhibition To Achieve Directionality. <i>Current Biology</i> , 2009, 19, R683-R684.	3.9	19
50	Activation of Arp2/3 by WASp Is Essential for the Endocytosis of Delta Only during Cytokinesis in <i>Drosophila</i> . <i>Cell Reports</i> , 2019, 28, 1-10.e3.	6.4	17
51	cis-Regulatory elements of the <i>Drosophila</i> blastoderm-specific <i>serendipity</i> gene: Ectopic activation in the embryonic PNS promoted by the deletion of an upstream region. <i>Developmental Biology</i> , 1989, 136, 181-193.	2.0	16
52	Genetic analysis of the cellularization of the <i>Drosophila</i> embryo. <i>Biology of the Cell</i> , 1991, 72, 15-23.	2.0	16
53	Cell Polarity and Notch Signaling: Linked by the E3 Ubiquitin Ligase Neuralized?. <i>BioEssays</i> , 2017, 39, 1700128.	2.5	14
54	A combination of Notch signaling, preferential adhesion and endocytosis induces a slow mode of cell intercalation in the <i>Drosophila</i> retina. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	14

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55	Imogene: identification of motifs and cis-regulatory modules underlying gene co-regulation. <i>Nucleic Acids Research</i> , 2014, 42, 6128-6145.	14.5	13
56	Inhibition of Notch recycling by Numb: Relevance and mechanism(s). <i>Cell Cycle</i> , 2013, 12, 1647-1648.	2.6	12
57	Evolution of the larval peripheral nervous system in <i>Drosophila</i> species has involved a change in sensory cell lineage. <i>Development Genes and Evolution</i> , 2004, 214, 442-52.	0.9	11
58	Cell polarity: Fixing cell polarity with Pins. <i>Current Biology</i> , 2000, 10, R265-R267.	3.9	10
59	Spn limits intestinal stem cell self-renewal. <i>PLoS Genetics</i> , 2018, 14, e1007773.	3.5	10
60	Functional Analysis of the NHR2 Domain Indicates that Oligomerization of Neuralized Regulates Ubiquitination and Endocytosis of Delta during Notch Signaling. <i>Molecular and Cellular Biology</i> , 2012, 32, 4933-4945.	2.3	8
61	Regulation of cortical stability by RhoGEF3 in mitotic sensory organ precursor cells in <i>Drosophila</i> . <i>Biology Open</i> , 2017, 6, 1851-1860.	1.2	8
62	Tissue-wide coordination of epithelium-to-neural stem cell transition in the <i>Drosophila</i> optic lobe requires Neuralized. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	8
63	Evolutionarily conserved positive and negative cis-acting elements control the blastoderm-specific expression of the <i>Drosophila</i> serendipity ± cellularisation gene. <i>Mechanisms of Development</i> , 1995, 49, 71-82.	1.7	7
64	Slit-Robo signalling prevents sensory cells from crossing the midline in <i>Drosophila</i> . <i>Mechanisms of Development</i> , 2004, 121, 427-436.	1.7	7
65	Overexpression of Partner of Numb Induces Asymmetric Distribution of the PI4P 5-Kinase Skittles in Mitotic Sensory Organ Precursor Cells in <i>Drosophila</i> . <i>PLoS ONE</i> , 2008, 3, e3072.	2.5	6
66	Temporal Regulation of Planar Cell Polarity: Insights from the <i>Drosophila</i> Eye. <i>Cell</i> , 2005, 121, 497-499.	28.9	5
67	Insensible Is a Novel Nuclear Inhibitor of Notch Activity in <i>Drosophila</i> . <i>PLoS ONE</i> , 2014, 9, e98213.	2.5	5
68	The Sequence Similarity of the <i>Drosophila</i> Suppressor of Hairless Protein to the Integrase Domain Has No Functional Significance in Vivo. <i>Developmental Biology</i> , 1994, 166, 812-814.	2.0	4
69	Presenilins in their infancy. <i>Chemistry and Biology</i> , 1999, 6, R187-R190.	6.0	3
70	Response to "Does pupal communication influence Wolbachia-mediated cytoplasmic incompatibility?". <i>Current Biology</i> , 2017, 27, R55-R56.	3.9	3
71	Crystal structure, biochemical and biophysical characterisation of NHR1 domain of E3 Ubiquitin ligase neuralized. <i>Advances in Enzyme Research</i> , 2013, 01, 61-75.	1.6	3
72	When you are Dishevelled, fat is good and acid is bad!. <i>Nature Cell Biology</i> , 2009, 11, 237-239.	10.3	0