Trudi SchÃ¼pbach

List of Publications by Year
in descending order

57 papers	5,775 citations	101543 36 h-index	149698 56 g-index
57 all docs	57 docs citations	57 times ranked	3738 citing authors

#	Article	IF	Citations
1	Molecular mechanisms underlying cellular effects of human MEK1 mutations. Molecular Biology of the Cell, 2021, 32, 974-983.	2.1	6
2	Signaling between somatic follicle cells and the germline patterns the egg and embryo of Drosophila. Current Topics in Developmental Biology, 2020, 140, 55-86.	2.2	19
3	Genetic Screens to Analyze Pattern Formation of Egg and Embryo in Drosophila: A Personal History. Annual Review of Genetics, 2019, 53, 1-18.	7.6	18
4	A Gene Expression Screen inDrosophila melanogasterIdentifies Novel JAK/STAT and EGFR Targets During Oogenesis. G3: Genes, Genomes, Genetics, 2019, 9, 47-60.	1.8	27
5	A quantitative model of developmental RTK signaling. Developmental Biology, 2018, 442, 80-86.	2.0	15
6	The Spatiotemporal Limits of Developmental Erk Signaling. Developmental Cell, 2017, 40, 185-192.	7.0	158
7	Divergent effects of intrinsically active MEK variants on developmental Ras signaling. Nature Genetics, 2017, 49, 465-469.	21.4	51
8	Integrative analysis unveils new functions for the Drosophila Cutoff protein in noncoding RNA biogenesis and gene regulation. Rna, 2017, 23, 1097-1109.	3.5	13
9	Stratum, a Homolog of the Human GEF Mss4, Partnered with Rab8, Controls the Basal Restriction of Basement Membrane Proteins in Epithelial Cells. Cell Reports, 2017, 18, 1831-1839.	6.4	30
10	In vivo severity ranking of Ras pathway mutations associated with developmental disorders. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 510-515.	7.1	44
11	Signaling through the G-protein-coupled receptor Rickets is important for polarity, detachment, and migration of the border cells in Drosophila. Developmental Biology, 2016, 414, 193-206.	2.0	7
12	The Complexities and Unexpected Insights of Developmental Genetic Analysis. Current Topics in Developmental Biology, 2016, 117, 319-330.	2.2	2
13	Dynamics of Inductive ERK Signaling in the Drosophila Embryo. Current Biology, 2015, 25, 1784-1790.	3.9	62
14	Diversity of epithelial morphogenesis during eggshell formation in drosophilids. Development (Cambridge), 2015, 142, 1971-1977.	2.5	21
15	Polarized deposition of basement membrane proteins depends on Phosphatidylinositol synthase and the levels of Phosphatidylinositol 4,5-bisphosphate. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7689-7694.	7.1	38
16	Repression of Gurken translation by a meiotic checkpoint in Drosophila oogenesis is suppressed by a reduction in the dose of eIF1A. Development (Cambridge), 2014, 141, 3910-3921.	2.5	12
17	Phantom, a cytochrome P450 enzyme essential for ecdysone biosynthesis, plays a critical role in the control of border cell migration in Drosophila. Developmental Biology, 2014, 386, 408-418.	2.0	47
18	Three-Dimensional Epithelial Morphogenesis in the Developing Drosophila Egg. Developmental Cell, 2013, 24, 400-410.	7.0	133

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19	Modulation ofgurkenTranslation by Insulin/TOR Signaling in Drosophila. Journal of Cell Science, 2012, 125, 1407-19.	2.0	29
20	CoREST acts as a positive regulator of Notch signaling in the follicle cells of Drosophila melanogaster. Journal of Cell Science, 2012, 125, 399-410.	2.0	30
21	Drosophila PI4KIIIalpha is required in follicle cells for oocyte polarization and Hippo signaling. Development (Cambridge), 2011, 138, 1697-1703.	2.5	41
22	Regulation of somatic myosin activity by Protein Phosphatase 1Î² controls Drosophila oocyte polarization. Development (Cambridge), 2011, 138, 1991-2001.	2.5	27
23	Developmental Biology: Pipe's Smoking Guns. Current Biology, 2009, 19, R548-R550.	3.9	3
24	The Vacuolar Proton Pump, V-ATPase, Is Required for Notch Signaling and Endosomal Trafficking in Drosophila. Developmental Cell, 2009, 17, 387-402.	7.0	213
25	Squid, Cup, and PABP55B function together to regulate gurken translation in Drosophila. Developmental Biology, 2008, 313, 713-724.	2.0	63
26	Crag Regulates Epithelial Architecture and Polarized Deposition of Basement Membrane Proteins in Drosophila. Developmental Cell, 2008, 14, 354-364.	7.0	80
27	A Combinatorial Code for Pattern Formation in Drosophila Oogenesis. Developmental Cell, 2008, 15, 725-737.	7.0	65
28	Drosophila brca2 Is Required for Mitotic and Meiotic DNA Repair and Efficient Activation of the Meiotic Recombination Checkpoint. PLoS Genetics, 2008, 4, e31.	3.5	78
29	The dynamics of fluorescently labeled endogenousgurkenmRNA inDrosophila. Journal of Cell Science, 2008, 121, 887-894.	2.0	68
30	An essential role for Drosophila hus1 in somatic and meiotic DNA damage responses. Journal of Cell Science, 2007, 120, 1042-1049.	2.0	23
31	zucchini and squash Encode Two Putative Nucleases Required for rasiRNA Production in the Drosophila Germline. Developmental Cell, 2007, 12, 851-862.	7.0	283
32	cutoff and aubergine Mutations Result in Retrotransposon Upregulation and Checkpoint Activation in Drosophila. Current Biology, 2007, 17, 637-642.	3.9	156
33	The role of brinker in eggshell patterning. Mechanisms of Development, 2006, 123, 395-406.	1.7	35
34	Quantifying the Gurken Morphogen Gradient in Drosophila Oogenesis. Developmental Cell, 2006, 11, 263-272.	7.0	78
35	Multiple EGFR ligands participate in guiding migrating border cells. Developmental Biology, 2006, 296, 94-103.	2.0	103
36	Drosophila brca2 is Required for Mitotic and Meiotic DNA Repair and Efficient Activation of the Meiotic Recombination Checkpoint. PLoS Genetics, 2005, preprint, e31.	3.5	0

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37	Hrb27C, Sqd and Otu cooperatively regulate gurken RNA localization and mediate nurse cell chromosome dispersion in Drosophila oogenesis. Development (Cambridge), 2004, 131, 1949-1958.	2.5	109
38	Cct1, a phosphatidylcholine biosynthesis enzyme, is required for Drosophila oogenesis and ovarian morphogenesis. Development (Cambridge), 2003, 130, 6075-6087.	2.5	46
39	The Drosophila spn-D Gene Encodes a RAD51C-Like Protein That Is Required Exclusively During Meiosis. Genetics, 2003, 165, 197-204.	2.9	76
40	Activation of a Meiotic Checkpoint during Drosophila Oogenesis Regulates the Translation of Gurken through Chk2/Mnk. Current Biology, 2002, 12, 1645-1651.	3.9	129
41	Localization of gurken RNA in Drosophila Oogenesis Requires Elements in the 5â€² and 3â€² Regions of the Transcript. Developmental Biology, 2000, 221, 435-446.	2.0	89
42	D-cbl, a Negative Regulator of the Egfr Pathway, Is Required for Dorsoventral Patterning in Drosophila Oogenesis. Cell, 2000, 103, 51-61.	28.9	119
43	Activation of a meiotic checkpoint regulates translation of Gurken during Drosophila oogenesis. Nature Cell Biology, 1999, 1, 354-357.	10.3	202
44	Versatility in signalling: multiple responses to EGF receptor activation during Drosophila oogenesis. Trends in Cell Biology, 1999, 9, 1-4.	7.9	92
45	The transmembrane region of Gurken is not required for biological activity, but is necessary for transport to the oocyte membrane in Drosophila. Mechanisms of Development, 1999, 89, 35-42.	1.7	79
46	Localized Requirements for windbeutel and pipe Reveal a Dorsoventral Prepattern within the Follicular Epithelium of the Drosophila Ovary. Cell, 1998, 93, 253-262.	28.9	71
47	The Drosophila TGF-Î±-like protein Gurken: expression and cellular localization during Drosophila oogenesis. Mechanisms of Development, 1996, 59, 105-113.	1.7	162
48	cornichon and the EGF receptor signaling process are necessary for both anterior-posterior and dorsal-ventral pattern formation in Drosophila. Cell, 1995, 81, 967-978.	28.9	477
49	The drosophila dorsoventral patterning gene gurken produces a dorsally localized RNA and encodes a TGFÎ±-like protein. Cell, 1993, 75, 165-174.	28.9	513
50	The maternal ventralizing locus torpedo is allelic to faint little ball, an embryonic lethal, and encodes the Drosophila EGF receptor homolog. Cell, 1989, 56, 1085-1092.	28.9	290
51	Germ line and soma cooperate during oogenesis to establish the dorsoventral pattern of egg shell and embryo in Drosophila melanogaster. Cell, 1987, 49, 699-707.	28.9	380
52	Maternal-effect mutations altering the anterior-posterior pattern of the Drosophila embryo. Roux's Archives of Developmental Biology, 1986, 195, 302-317.	1.2	405
53	Maternal control of Drosophila segmentation gene expression. Nature, 1986, 323, 278-280.	27.8	81
54	NORMAL FEMALE GERM CELL DIFFERENTIATION REQUIRES THE FEMALE X CHROMOSOME TO AUTOSOME RATIO AND EXPRESSION OF SEX-LETHAL IN DROSOPHILA MELANOGASTER. Genetics, 1985, 109, 529-548.	2.9	150

#	Article	IF	Citations
55	Autosomal mutations that interfere with sex determination in somatic cells of Drosophila have no direct effect on the germline. Developmental Biology, 1982, 89, 117-127.	2.0	125
56	The embryonic organization of the genital disc studied in genetic mosaics ofDrosophila melanogaster. Wilhelm Roux's Archives of Developmental Biology, 1978, 185, 249-270.	1.4	66
57	A study of the female germ line in mosaics ofDrosophila. Wilhelm Roux's Archives of Developmental Biology, 1978, 184, 41-56.	1.4	36