Wu-Min Deng

List of Publications by Year
in descending order

62 papers	3,306 citations	201674 27 h-index	155660 55 g-index
66 all docs	66 docs citations	66 times ranked	3292 citing authors

#	Article	IF	Citations
1	Kibra Functions as a Tumor Suppressor Protein that Regulates Hippo Signaling in Conjunction with Merlin and Expanded. Developmental Cell, 2010, 18, 288-299.	7.0	439
2	Notch-Delta signaling induces a transition from mitotic cell cycle to endocycle in<i>Drosophila</i>follicle cells. Development (Cambridge), 2001, 128, 4737-4746.	2.5	201
3	Dystroglycan is required for polarizing the epithelial cells and the oocyte inDrosophila. Development (Cambridge), 2003, 130, 173-184.	2.5	156
4	Involvement of Lgl and Mahjong/VprBP in Cell Competition. PLoS Biology, 2010, 8, e1000422.	5.6	154
5	Hindsight Mediates the Role of Notch in Suppressing Hedgehog Signaling and Cell Proliferation. Developmental Cell, 2007, 12, 431-442.	7.0	153
6	Tissue Repair through Cell Competition and Compensatory Cellular Hypertrophy in Postmitotic Epithelia. Developmental Cell, 2013, 25, 350-363.	7.0	130
7	Notch-dependent downregulation of the homeodomain gene cut is required for the mitotic cycle/endocycle switch and cell differentiation in Drosophila follicle cells. Development (Cambridge), 2005, 132, 4299-4308.	2.5	128
8	Perlecan and Dystroglycan act at the basal side of the Drosophila follicular epithelium to maintain epithelial organization. Development (Cambridge), 2006, 133, 3805-3815.	2.5	104
9	The Hippo Pathway Promotes Notch Signaling in Regulation of Cell Differentiation, Proliferation, and Oocyte Polarity. PLoS ONE, 2008, 3, e1761.	2.5	102
10	Notch-Dependent Fizzy-Related/Hec1/Cdh1 Expression Is Required for the Mitotic-to-Endocycle Transition in Drosophila Follicle Cells. Current Biology, 2004, 14, 630-636.	3.9	99
11	Endoreplication: The Good, the Bad, and the Ugly. Trends in Cell Biology, 2018, 28, 465-474.	7.9	98
12	The Function of the Broad-Complex During Drosophila melanogaster Oogenesis. Genetics, 1999, 153, 1371-1383.	2.9	94
13	At the crossroads of differentiation and proliferation: Precise control of cellâ€cycle changes by multiple signaling pathways in <i>Drosophila</i> follicle cells. BioEssays, 2011, 33, 124-134.	2.5	93
14	A single-cell atlas of adult Drosophila ovary identifies transcriptional programs and somatic cell lineage regulating oogenesis. PLoS Biology, 2020, 18, e3000538.	5.6	85
15	Regulation of the endocycle/gene amplification switch by Notch and ecdysone signaling. Journal of Cell Biology, 2008, 182, 885-896.	5.2	84
16	The homeobox gene mirror links EGF signalling to embryonic dorso-ventral axis formation through Notch activation. Nature Genetics, 2000, 24, 429-433.	21.4	81
17	Epithelial Tumors Originate in Tumor Hotspots, a Tissue-Intrinsic Microenvironment. PLoS Biology, 2016, 14, e1002537.	5.6	75
18	Cell competition and its implications for development and cancer. Journal of Genetics and Genomics, 2011, 38, 483-495.	3.9	65

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19	Ligand-Independent Mechanisms of Notch Activity. Trends in Cell Biology, 2015, 25, 697-707.	7.9	64
20	Automatic stage identification of Drosophila egg chamber based on DAPI images. Scientific Reports, 2016, 6, 18850.	3.3	64
21	Lgl and its phosphorylation by aPKC regulate oocyte polarity formation in Drosophila. Development (Cambridge), 2008, 135, 463-471.	2.5	61
22	Laminin A is required for follicle cellâ€"oocyte signaling that leads to establishment of the anteriorâ€"posterior axis in Drosophila. Current Biology, 2000, 10, 683-686.	3.9	46
23	Cis-interactions between Notch and its ligands block ligand-independent Notch activity. ELife, 2014, 3, .	6.0	45
24	Compensatory cellular hypertrophy: the other strategy for tissue homeostasis. Trends in Cell Biology, 2014, 24, 230-237.	7.9	42
25	The microRNA pathway regulates the temporal pattern of Notch signaling in <i>Drosophila</i> follicle cells. Development (Cambridge), 2011, 138, 1737-1745.	2.5	40
26	Cellâ€"cell communication and axis specification in the Drosophila oocyte. Developmental Biology, 2007, 311, 1-10.	2.0	36
27	Regulation of broad by the Notch pathway affects timing of follicle cell development. Developmental Biology, 2014, 392, 52-61.	2.0	30
28	Dystroglycan down-regulation links EGF receptor signaling and anterior-posterior polarity formation in the Drosophila oocyte. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12775-12780.	7.1	29
29	Deconstructing tumor heterogeneity: the stromal perspective. Oncotarget, 2020, 11, 3621-3632.	1.8	29
30	CAF-1 promotes Notch signaling through epigenetic control of target gene expression during <i>Drosophila</i> development. Development (Cambridge), 2013, 140, 3635-3644.	2.5	28
31	Oncogenic Notch Triggers Neoplastic Tumorigenesis in a Transition-Zone-like Tissue Microenvironment. Developmental Cell, 2019, 49, 461-472.e5.	7.0	27
32	Notch Signaling and Developmental Cell-Cycle Arrest in Drosophila Polar Follicle Cells. Molecular Biology of the Cell, 2009, 20, 5064-5073.	2.1	25
33	A large-scale in vivo RNAi screen to identify genes involved in Notch-mediated follicle cell differentiation and cell cycle switches. Scientific Reports, 2015, 5, 12328.	3.3	25
34	The microRNA miR-7 regulates Tramtrack69 in a developmental switch in <i>Drosophila</i> follicle cells. Development (Cambridge), 2013, 140, 897-905.	2.5	24
35	Serrate/Notch Signaling Regulates the Size of the Progenitor Cell Pool in<i>Drosophila</i>Imaginal Rings. Genetics, 2018, 209, 829-843.	2.9	24
36	Analysis of Cell Cycle Switches in Drosophila Oogenesis. Methods in Molecular Biology, 2015, 1328, 207-216.	0.9	22

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37	Histone chaperone CAF-1: essential roles in multi-cellular organism development. Cellular and Molecular Life Sciences, 2015, 72, 327-337.	5.4	21
38	Drosophila Model in Cancer: An Introduction. Advances in Experimental Medicine and Biology, 2019, 1167, 1-14.	1.6	21
39	RNA helicase Belle/DDX3 regulates transgene expression in Drosophila. Developmental Biology, 2016, 412, 57-70.	2.0	20
40	Par-1 and Tau regulate the anteriorâ€“posterior gradient of microtubules in Drosophila oocytes. Developmental Biology, 2009, 327, 458-464.	2.0	19
41	Differential Regulation of Cyclin E by Yorkie-Scalloped Signaling in Organ Development. G3: Genes, Genomes, Genetics, 2017, 7, 1049-1060.	1.8	19
42	CRL4Mahj E3 ubiquitin ligase promotes neural stem cell reactivation. PLoS Biology, 2019, 17, e3000276.	5.6	19
43	Maternal <scp>AP</scp> determinants in the <i>Drosophila</i> oocyte and embryo. Wiley Interdisciplinary Reviews: Developmental Biology, 2016, 5, 562-581.	5.9	18
44	Polyploid mitosis and depolyploidization promote chromosomal instability and tumor progression in a Notch-induced tumor model. Developmental Cell, 2021, 56, 1976-1988.e4.	7.0	17
45	Tissue-Intrinsic Tumor Hotspots: Terroir for Tumorigenesis. Trends in Cancer, 2017, 3, 259-268.	7.4	16
46	The transcriptional corepressor SMRTER influences both Notch and ecdysone signaling during Drosophila development. Biology Open, 2012, 1, 182-196.	1.2	14
47	E(y)1/TAF9 mediates the transcriptional output of Notch signaling in Drosophila. Journal of Cell Science, 2014, 127, 3830-9.	2.0	13
48	The SWI/SNF Complex Protein Snr1 Is a Tumor Suppressor in <i>Drosophila</i> Imaginal Tissues. Cancer Research, 2017, 77, 862-873.	0.9	13
49	Tumor models in various <i>Drosophila</i> tissues. WIREs Mechanisms of Disease, 2021, 13, e1525.	3.3	13
50	The Ecdysone and Notch Pathways Synergistically Regulate Cut at the Dorsalâ€“Ventral Boundary in Drosophila Wing Discs. Journal of Genetics and Genomics, 2016, 43, 179-186.	3.9	12
51	Polyploidy in development and tumor models in Drosophila. Seminars in Cancer Biology, 2022, 81, 106-118.	9.6	12
52	Efficient EGFR signaling and dorsalâ€“ventral axis patterning requires syntaxin dependent Gurken trafficking. Developmental Biology, 2013, 373, 349-358.	2.0	9
53	A comprehensive in vivo screen for anti-apoptotic miRNAs indicates broad capacities for oncogenic synergy. Developmental Biology, 2021, 475, 10-20.	2.0	9
54	Modeling Notch-Induced Tumor Cell Survival in the Drosophila Ovary Identifies Cellular and Transcriptional Response to Nuclear NICD Accumulation. Cells, 2021, 10, 2222.	4.1	9

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55	Systematic analysis reveals tumor-enhancing and -suppressing microRNAs in<i>Drosophila</i>epithelial tumors. Oncotarget, 2017, 8, 108825-108839.	1.8	6
56	<i>poly</i>is required for nurse cell chromosome dispersal and oocyte polarity in Drosophila. Fly, 2010, 4, 128-136.	1.7	5
57	Prp22 and Spliceosome Components Regulate Chromatin Dynamics in Germ-Line Polyploid Cells. PLoS ONE, 2013, 8, e79048.	2.5	5
58	Germline silencing of UASt depends on the piRNA pathway. Journal of Genetics and Genomics, 2018, 45, 273-276.	3.9	4
59	Drosophila chromatin assembly factor 1 p105 and p180 subunits are required for follicle cell proliferation via inhibiting Notch signaling. Journal of Cell Science, 2019, 132, .	2.0	3
60	Tumor Allotransplantation in Drosophila melanogaster with a Programmable Auto-Nanoliter Injector. Journal of Visualized Experiments, 2021, , .	0.3	3
61	Molecular genetics of cancer and tumorigenesis: Drosophila models. Journal of Genetics and Genomics, 2011, 38, 429-430.	3.9	2
62	E(y)1/TAF9 mediates the transcriptional output of Notch signaling in <i>Drosophila</i>. Development (Cambridge), 2014, 141, e1805-e1805.	2.5	0