

Bruce A Edgar

List of Publications by Year in descending order

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75
papers

14,173
citations

36203

51
h-index

74018

75
g-index

79
all docs

79
docs citations

79
times ranked

11657
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytokine/Jak/Stat Signaling Mediates Regeneration and Homeostasis in the Drosophila Midgut. <i>Cell</i> , 2009, 137, 1343-1355.	13.5	896
2	Rheb is a direct target of the tuberous sclerosis tumour suppressor proteins. <i>Nature Cell Biology</i> , 2003, 5, 578-581.	4.6	828
3	Endoreplication Cell Cycles. <i>Cell</i> , 2001, 105, 297-306.	13.5	780
4	Coordination of Growth and Cell Division in the Drosophila Wing. <i>Cell</i> , 1998, 93, 1183-1193.	13.5	732
5	Drosophila's Insulin/PI3-Kinase Pathway Coordinates Cellular Metabolism with Nutritional Conditions. <i>Developmental Cell</i> , 2002, 2, 239-249.	3.1	632
6	Genetic control of cell division patterns in the Drosophila embryo. <i>Cell</i> , 1989, 57, 177-187.	13.5	604
7	Drosophila myc Regulates Cellular Growth during Development. <i>Cell</i> , 1999, 98, 779-790.	13.5	598
8	Rheb promotes cell growth as a component of the insulin/TOR signalling network. <i>Nature Cell Biology</i> , 2003, 5, 566-571.	4.6	590
9	The three postblastoderm cell cycles of Drosophila embryogenesis are regulated in G2 by string. <i>Cell</i> , 1990, 62, 469-480.	13.5	442
10	EGFR/Ras/MAPK Signaling Mediates Adult Midgut Epithelial Homeostasis and Regeneration in Drosophila. <i>Cell Stem Cell</i> , 2011, 8, 84-95.	5.2	406
11	How flies get their size: genetics meets physiology. <i>Nature Reviews Genetics</i> , 2006, 7, 907-916.	7.7	366
12	Myc-dependent regulation of ribosomal RNA synthesis during Drosophila development. <i>Nature Cell Biology</i> , 2005, 7, 295-302.	4.6	356
13	Genomic binding by the Drosophila Myc, Max, Mad/Mnt transcription factor network. <i>Genes and Development</i> , 2003, 17, 1101-1114.	2.7	352
14	Cell cycle control by the nucleo-cytoplasmic ratio in early Drosophila development. <i>Cell</i> , 1986, 44, 365-372.	13.5	337
15	Filling out the Hippo pathway. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 613-621.	16.1	326
16	From Cell Structure to Transcription: Hippo Forges a New Path. <i>Cell</i> , 2006, 124, 267-273.	13.5	306
17	Endocycles: a recurrent evolutionary innovation for post-mitotic cell growth. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 197-210.	16.1	291
18	The Hippo pathway regulates intestinal stem cell proliferation during <i>Drosophila</i> adult midgut regeneration. <i>Development (Cambridge)</i> , 2010, 137, 4147-4158.	1.2	282

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19	Ras1 Promotes Cellular Growth in the <i>Drosophila</i> Wing. <i>Cell</i> , 2000, 100, 435-446.	13.5	272
20	Wingless and Notch regulate cell-cycle arrest in the developing <i>Drosophila</i> wing. <i>Nature</i> , 1998, 394, 82-84.	13.7	265
21	EGFR signaling regulates the proliferation of <i>Drosophila</i> adult midgut progenitors. <i>Development (Cambridge)</i> , 2009, 136, 483-493.	1.2	235
22	Fly-FUCCI: A Versatile Tool for Studying Cell Proliferation in Complex Tissues. <i>Cell Reports</i> , 2014, 7, 588-598.	2.9	232
23	Regional Cell-Specific Transcriptome Mapping Reveals Regulatory Complexity in the Adult <i>Drosophila</i> Midgut. <i>Cell Reports</i> , 2015, 12, 346-358.	2.9	202
24	Connections between growth and the cell cycle. <i>Current Opinion in Cell Biology</i> , 1998, 10, 784-790.	2.6	177
25	Mechanisms controlling cell cycle exit upon terminal differentiation. <i>Current Opinion in Cell Biology</i> , 2007, 19, 697-704.	2.6	171
26	Interactions between Ras1, dMyc, and dPI3K signaling in the developing <i>Drosophila</i> wing. <i>Genes and Development</i> , 2002, 16, 2286-2299.	2.7	157
27	Intestinal stem cells in the adult <i>Drosophila</i> midgut. <i>Experimental Cell Research</i> , 2011, 317, 2780-2788.	1.2	152
28	dMyc is required for larval growth and endoreplication in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2004, 131, 2317-2327.	1.2	150
29	Intestinal stem cell function in <i>Drosophila</i> and mice. <i>Current Opinion in Genetics and Development</i> , 2012, 22, 354-360.	1.5	138
30	Niche appropriation by <i>Drosophila</i> intestinal stem cell tumours. <i>Nature Cell Biology</i> , 2015, 17, 1182-1192.	4.6	138
31	Endoreplication. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a012948-a012948.	2.3	131
32	Why size matters: altering cell size. <i>Current Opinion in Genetics and Development</i> , 2002, 12, 565-571.	1.5	129
33	Control of <i>Drosophila</i> endocycles by E2F and CRL4CDT2. <i>Nature</i> , 2011, 480, 123-127.	13.7	127
34	Polyploidy in tissue homeostasis and regeneration. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	127
35	Repression and turnover pattern fushi tarazu RNA in the early <i>Drosophila</i> embryo. <i>Cell</i> , 1986, 47, 747-754.	13.5	126
36	TOR-mediated autophagy regulates cell death in <i>Drosophila</i> neurodegenerative disease. <i>Journal of Cell Biology</i> , 2009, 186, 703-711.	2.3	126

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37	Negative Regulation of dE2F1 by Cyclin-Dependent Kinases Controls Cell Cycle Timing. <i>Cell</i> , 2004, 117, 253-264.	13.5	123
38	EGFR/Ras Signaling Controls <i>Drosophila</i> Intestinal Stem Cell Proliferation via Capicua-Regulated Genes. <i>PLoS Genetics</i> , 2015, 11, e1005634.	1.5	115
39	<i>Escargot</i> maintains stemness and suppresses differentiation in <i>Drosophila</i> intestinal stem cells. <i>EMBO Journal</i> , 2014, 33, 2967-2982.	3.5	113
40	Intrinsic Negative Cell Cycle Regulation Provided by PIP Box- and Cul4Cdt2-Mediated Destruction of E2f1 during S Phase. <i>Developmental Cell</i> , 2008, 15, 890-900.	3.1	111
41	A Double-Assurance Mechanism Controls Cell Cycle Exit upon Terminal Differentiation in <i>Drosophila</i> . <i>Developmental Cell</i> , 2007, 12, 631-643.	3.1	95
42	EGFR-dependent TOR-independent endocycles support <i>Drosophila</i> gut epithelial regeneration. <i>Nature Communications</i> , 2017, 8, 15125.	5.8	90
43	<i>Drosophila</i> Cyclin D/Cdk4 Requires Hif-1 Prolyl Hydroxylase to Drive Cell Growth. <i>Developmental Cell</i> , 2004, 6, 241-251.	3.1	84
44	Fitness trade-offs incurred by ovary-to-gut steroid signalling in <i>Drosophila</i> . <i>Nature</i> , 2020, 584, 415-419.	13.7	83
45	<i>Drosophila</i> TIF-IA is required for ribosome synthesis and cell growth and is regulated by the TOR pathway. <i>Journal of Cell Biology</i> , 2007, 179, 1105-1113.	2.3	82
46	From small flies come big discoveries about size control. <i>Nature Cell Biology</i> , 1999, 1, E191-E192.	4.6	71
47	A genetic switch, based on negative regulation, sharpens stripes in <i>Drosophila</i> embryos. <i>Genesis</i> , 1989, 10, 124-142.	3.1	66
48	Dpp/Gbb signaling is required for normal intestinal regeneration during infection. <i>Developmental Biology</i> , 2015, 399, 189-203.	0.9	65
49	The <i>Drosophila</i> mitochondrial ribosomal protein mRpL12 is required for Cyclin D/Cdk4-driven growth. <i>EMBO Journal</i> , 2005, 24, 623-634.	3.5	63
50	Growth regulation by oncogenes – new insights from model organisms. <i>Current Opinion in Genetics and Development</i> , 2001, 11, 19-26.	1.5	61
51	An SH3PX1-Dependent Endocytosis-Autophagy Network Restrains Intestinal Stem Cell Proliferation by Counteracting EGFR-ERK Signaling. <i>Developmental Cell</i> , 2019, 49, 574-589.e5.	3.1	57
52	A robust cell cycle control mechanism limits E2F-induced proliferation of terminally differentiated cells in vivo. <i>Journal of Cell Biology</i> , 2010, 189, 981-996.	2.3	54
53	The Transcriptional Repressor dMnt Is a Regulator of Growth in <i>Drosophila melanogaster</i> . <i>Molecular and Cellular Biology</i> , 2005, 25, 7078-7091.	1.1	52
54	Damage sensing by a Nox-Ask1-MKK3-p38 signaling pathway mediates regeneration in the adult <i>Drosophila</i> midgut. <i>Nature Communications</i> , 2019, 10, 4365.	5.8	49

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55	Intestinal Stem Cell Pool Regulation in <i>Drosophila</i> . <i>Stem Cell Reports</i> , 2017, 8, 1479-1487.	2.3	47
56	ATF3 acts as a rheostat to control JNK signalling during intestinal regeneration. <i>Nature Communications</i> , 2017, 8, 14289.	5.8	46
57	Enhanced expression of thioredoxin-interacting protein regulates oxidative DNA damage and aging. <i>FEBS Letters</i> , 2018, 592, 2297-2307.	1.3	45
58	Genomic analysis of COP9 signalosome function in <i>Drosophila melanogaster</i> reveals a role in temporal regulation of gene expression. <i>Molecular Systems Biology</i> , 2007, 3, 108.	3.2	41
59	Proliferative control in <i>Drosophila</i> stem cells. <i>Current Opinion in Cell Biology</i> , 2008, 20, 699-706.	2.6	39
60	Flow Cytometric Analysis of <i>Drosophila</i> Cells. <i>Methods in Molecular Biology</i> , 2008, 420, 373-389.	0.4	38
61	Egfr/Ras signaling regulates DE-cadherin/Shotgun localization to control vein morphogenesis in the <i>Drosophila</i> wing. <i>Developmental Biology</i> , 2007, 311, 25-39.	0.9	35
62	Rap1 maintains adhesion between cells to affect Egfr signaling and planar cell polarity in <i>Drosophila</i> . <i>Developmental Biology</i> , 2009, 333, 143-160.	0.9	33
63	LST8 Regulates Cell Growth via Target-of-Rapamycin Complex 2 (TORC2). <i>Molecular and Cellular Biology</i> , 2012, 32, 2203-2213.	1.1	33
64	A Balance of Yki/Sd Activator and E2F1/Sd Repressor Complexes Controls Cell Survival and Affects Organ Size. <i>Developmental Cell</i> , 2017, 43, 603-617.e5.	3.1	32
65	Cyclin D Does Not Provide Essential Cdk4-Independent Functions in <i>Drosophila</i> . <i>Genetics</i> , 2004, 168, 867-875.	1.2	31
66	Insect Gut Regeneration. <i>Cold Spring Harbor Perspectives in Biology</i> , 2022, 14, a040915.	2.3	24
67	Yorkie and Scalloped: Partners in Growth Activation. <i>Developmental Cell</i> , 2008, 14, 315-316.	3.1	23
68	Age-related changes in polycomb gene regulation disrupt lineage fidelity in intestinal stem cells. <i>ELife</i> , 2021, 10, .	2.8	20
69	How size is controlled: from Hippos to Yorkies. <i>Nature Cell Biology</i> , 2007, 9, 1225-1227.	4.6	19
70	Remodelling of oxygen-transporting tracheoles drives intestinal regeneration and tumorigenesis in <i>Drosophila</i> . <i>Nature Cell Biology</i> , 2021, 23, 497-510.	4.6	19
71	The role of translationally controlled tumor protein in proliferation of <i>Drosophila</i> intestinal stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26591-26598.	3.3	15
72	Translational control of E2f1 regulates the <i>Drosophila</i> cell cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	10

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73	The KrÄ4ppel-like factor Cabut has cell cycle regulatory properties similar to E2F1. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	5
74	Lipoic acid and autophagy: new insights into stem cell aging. EMBO Reports, 2020, 21, e51175.	2.0	2
75	Comparative Generalized Logic Modeling Reveals Differential Gene Interactions during Cell Cycle Exit in Wing Development. Lecture Notes in Informatics (LNI), Proceedings - Series of the Gesellschaft Fur Informatik (GI), 2009, 157, 143-152.	0.0	1