

Bruce A Edgar

List of Publications by Year in descending order

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75
papers

14,173
citations

36303

51
h-index

74163

75
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79
all docs

79
docs citations

79
times ranked

11657
citing authors

#	ARTICLE	IF	CITATIONS
1	Insect Gut Regeneration. Cold Spring Harbor Perspectives in Biology, 2022, 14, a040915.	5.5	24
2	Translational control of <i>E2f1</i> regulates the <i>Drosophila</i> cell cycle. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	10
3	The Kr ⁴ ppel-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, .	7.1	5
4	Age-related changes in polycomb gene regulation disrupt lineage fidelity in intestinal stem cells. ELife, 2021, 10, .	6.0	20
5	Remodelling of oxygen-transporting tracheoles drives intestinal regeneration and tumorigenesis in <i>Drosophila</i> . Nature Cell Biology, 2021, 23, 497-510.	10.3	19
6	Fitness trade-offs incurred by ovary-to-gut steroid signalling in <i>Drosophila</i> . Nature, 2020, 584, 415-419.	27.8	83
7	Lipoic acid and autophagy: new insights into stem cell aging. EMBO Reports, 2020, 21, e51175.	4.5	2
8	Damage sensing by a Nox-Ask1-MKK3-p38 signaling pathway mediates regeneration in the adult <i>Drosophila</i> midgut. Nature Communications, 2019, 10, 4365.	12.8	49
9	An SH3PX1-Dependent Endocytosis-Autophagy Network Restrains Intestinal Stem Cell Proliferation by Counteracting EGFR-ERK Signaling. Developmental Cell, 2019, 49, 574-589.e5.	7.0	57
10	The role of translationally controlled tumor protein in proliferation of <i>Drosophila</i> intestinal stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26591-26598.	7.1	15
11	Polyploidy in tissue homeostasis and regeneration. Development (Cambridge), 2018, 145, .	2.5	127
12	Enhanced expression of thioredoxin ¹ interacting ¹ protein regulates oxidative DNA damage and aging. FEBS Letters, 2018, 592, 2297-2307.	2.8	45
13	ATF3 acts as a rheostat to control JNK signalling during intestinal regeneration. Nature Communications, 2017, 8, 14289.	12.8	46
14	Intestinal Stem Cell Pool Regulation in <i>Drosophila</i> . Stem Cell Reports, 2017, 8, 1479-1487.	4.8	47
15	EGFR-dependent TOR-independent endocycles support <i>Drosophila</i> gut epithelial regeneration. Nature Communications, 2017, 8, 15125.	12.8	90
16	A Balance of Yki/Sd Activator and E2F1/Sd Repressor Complexes Controls Cell Survival and Affects Organ Size. Developmental Cell, 2017, 43, 603-617.e5.	7.0	32
17	Regional Cell-Specific Transcriptome Mapping Reveals Regulatory Complexity in the Adult <i>Drosophila</i> Midgut. Cell Reports, 2015, 12, 346-358.	6.4	202
18	Dpp/Gbb signaling is required for normal intestinal regeneration during infection. Developmental Biology, 2015, 399, 189-203.	2.0	65

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19	Niche appropriation by <i>Drosophila</i> intestinal stem cell tumours. <i>Nature Cell Biology</i> , 2015, 17, 1182-1192.	10.3	138
20	EGFR/Ras Signaling Controls <i>Drosophila</i> Intestinal Stem Cell Proliferation via Capicua-Regulated Genes. <i>PLoS Genetics</i> , 2015, 11, e1005634.	3.5	115
21	<i>Escargot</i> maintains stemness and suppresses differentiation in <i>Drosophila</i> intestinal stem cells. <i>EMBO Journal</i> , 2014, 33, 2967-2982.	7.8	113
22	Fly-FUCCI: A Versatile Tool for Studying Cell Proliferation in Complex Tissues. <i>Cell Reports</i> , 2014, 7, 588-598.	6.4	232
23	Endocycles: a recurrent evolutionary innovation for post-mitotic cell growth. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 197-210.	37.0	291
24	Endoreplication. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a012948-a012948.	5.5	131
25	LST8 Regulates Cell Growth via Target-of-Rapamycin Complex 2 (TORC2). <i>Molecular and Cellular Biology</i> , 2012, 32, 2203-2213.	2.3	33
26	Intestinal stem cell function in <i>Drosophila</i> and mice. <i>Current Opinion in Genetics and Development</i> , 2012, 22, 354-360.	3.3	138
27	EGFR/Ras/MAPK Signaling Mediates Adult Midgut Epithelial Homeostasis and Regeneration in <i>Drosophila</i> . <i>Cell Stem Cell</i> , 2011, 8, 84-95.	11.1	406
28	Intestinal stem cells in the adult <i>Drosophila</i> midgut. <i>Experimental Cell Research</i> , 2011, 317, 2780-2788.	2.6	152
29	Control of <i>Drosophila</i> endocycles by E2F and CRL4CDT2. <i>Nature</i> , 2011, 480, 123-127.	27.8	127
30	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.	5.2	54
31	The Hippo pathway regulates intestinal stem cell proliferation during <i>Drosophila</i> adult midgut regeneration. <i>Development (Cambridge)</i> , 2010, 137, 4147-4158.	2.5	282
32	EGFR signaling regulates the proliferation of <i>Drosophila</i> adult midgut progenitors. <i>Development (Cambridge)</i> , 2009, 136, 483-493.	2.5	235
33	TOR-mediated autophagy regulates cell death in <i>Drosophila</i> neurodegenerative disease. <i>Journal of Cell Biology</i> , 2009, 186, 703-711.	5.2	126
34	Cytokine/Jak/Stat Signaling Mediates Regeneration and Homeostasis in the <i>Drosophila</i> Midgut. <i>Cell</i> , 2009, 137, 1343-1355.	28.9	896
35	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.	2.0	33
36	Comparative Generalized Logic Modeling Reveals Differential Gene Interactions during Cell Cycle Exit in Wing Development. <i>Lecture Notes in Informatics (LNI), Proceedings - Series of the Gesellschaft Fur Informatik (GI)</i> , 2009, 157, 143-152.	0.0	1

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37	Proliferative control in <i>Drosophila</i> stem cells. <i>Current Opinion in Cell Biology</i> , 2008, 20, 699-706.	5.4	39
38	Yorkie and Scalloped: Partners in Growth Activation. <i>Developmental Cell</i> , 2008, 14, 315-316.	7.0	23
39	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.	7.0	111
40	Flow Cytometric Analysis of <i>Drosophila</i> Cells. <i>Methods in Molecular Biology</i> , 2008, 420, 373-389.	0.9	38
41	<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.	5.2	82
42	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.	7.2	41
43	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.	2.0	35
44	A Double-Assurance Mechanism Controls Cell Cycle Exit upon Terminal Differentiation in <i>Drosophila</i> . <i>Developmental Cell</i> , 2007, 12, 631-643.	7.0	95
45	How size is controlled: from Hippos to Yorkies. <i>Nature Cell Biology</i> , 2007, 9, 1225-1227.	10.3	19
46	Filling out the Hippo pathway. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 613-621.	37.0	326
47	Mechanisms controlling cell cycle exit upon terminal differentiation. <i>Current Opinion in Cell Biology</i> , 2007, 19, 697-704.	5.4	171
48	From Cell Structure to Transcription: Hippo Forges a New Path. <i>Cell</i> , 2006, 124, 267-273.	28.9	306
49	How flies get their size: genetics meets physiology. <i>Nature Reviews Genetics</i> , 2006, 7, 907-916.	16.3	366
50	Myc-dependent regulation of ribosomal RNA synthesis during <i>Drosophila</i> development. <i>Nature Cell Biology</i> , 2005, 7, 295-302.	10.3	356
51	The <i>Drosophila</i> mitochondrial ribosomal protein mRpL12 is required for Cyclin D/Cdk4-driven growth. <i>EMBO Journal</i> , 2005, 24, 623-634.	7.8	63
52	The Transcriptional Repressor dMnt Is a Regulator of Growth in <i>Drosophila melanogaster</i> . <i>Molecular and Cellular Biology</i> , 2005, 25, 7078-7091.	2.3	52
53	dMyc is required for larval growth and endoreplication in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2004, 131, 2317-2327.	2.5	150
54	Cyclin D Does Not Provide Essential Cdk4-Independent Functions in <i>Drosophila</i> . <i>Genetics</i> , 2004, 168, 867-875.	2.9	31

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55	Drosophila Cyclin D/Cdk4 Requires Hif-1 Prolyl Hydroxylase to Drive Cell Growth. <i>Developmental Cell</i> , 2004, 6, 241-251.	7.0	84
56	Negative Regulation of dE2F1 by Cyclin-Dependent Kinases Controls Cell Cycle Timing. <i>Cell</i> , 2004, 117, 253-264.	28.9	123
57	Rheb promotes cell growth as a component of the insulin/TOR signalling network. <i>Nature Cell Biology</i> , 2003, 5, 566-571.	10.3	590
58	Rheb is a direct target of the tuberous sclerosis tumour suppressor proteins. <i>Nature Cell Biology</i> , 2003, 5, 578-581.	10.3	828
59	Genomic binding by the Drosophila Myc, Max, Mad/Mnt transcription factor network. <i>Genes and Development</i> , 2003, 17, 1101-1114.	5.9	352
60	Interactions between Ras1, dMyc, and dPI3K signaling in the developing Drosophila wing. <i>Genes and Development</i> , 2002, 16, 2286-2299.	5.9	157
61	Drosophila's Insulin/PI3-Kinase Pathway Coordinates Cellular Metabolism with Nutritional Conditions. <i>Developmental Cell</i> , 2002, 2, 239-249.	7.0	632
62	Why size matters: altering cell size. <i>Current Opinion in Genetics and Development</i> , 2002, 12, 565-571.	3.3	129
63	Growth regulation by oncogenes – new insights from model organisms. <i>Current Opinion in Genetics and Development</i> , 2001, 11, 19-26.	3.3	61
64	Endoreplication Cell Cycles. <i>Cell</i> , 2001, 105, 297-306.	28.9	780
65	Ras1 Promotes Cellular Growth in the Drosophila Wing. <i>Cell</i> , 2000, 100, 435-446.	28.9	272
66	From small flies come big discoveries about size control. <i>Nature Cell Biology</i> , 1999, 1, E191-E192.	10.3	71
67	Drosophila myc Regulates Cellular Growth during Development. <i>Cell</i> , 1999, 98, 779-790.	28.9	598
68	Wingless and Notch regulate cell-cycle arrest in the developing Drosophila wing. <i>Nature</i> , 1998, 394, 82-84.	27.8	265
69	Connections between growth and the cell cycle. <i>Current Opinion in Cell Biology</i> , 1998, 10, 784-790.	5.4	177
70	Coordination of Growth and Cell Division in the Drosophila Wing. <i>Cell</i> , 1998, 93, 1183-1193.	28.9	732
71	The three postblastoderm cell cycles of Drosophila embryogenesis are regulated in G2 by string. <i>Cell</i> , 1990, 62, 469-480.	28.9	442
72	A genetic switch, based on negative regulation, sharpens stripes in Drosophila embryos. <i>Genesis</i> , 1989, 10, 124-142.	2.1	66

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73	Genetic control of cell division patterns in the Drosophila embryo. Cell, 1989, 57, 177-187.	28.9	604
74	Repression and turnover pattern fushi tarazu RNA in the early Drosophila embryo. Cell, 1986, 47, 747-754.	28.9	126
75	Cell cycle control by the nucleo-cytoplasmic ratio in early Drosophila development. Cell, 1986, 44, 365-372.	28.9	337