Eric H Baehrecke

List of Publications by Year
in descending order

73 papers	27,064 citations	44069 48 h-index	88630 70 g-index
114 all docs	114 docs citations	114 times ranked	34462 citing authors

#	Article	IF	Citations
1	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	11.2	4,036
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. Autophagy, 2008, 4, 151-175.	9.1	2,064
4	Self-consumption: the interplay of autophagy and apoptosis. Nature Reviews Molecular Cell Biology, 2014, 15, 81-94.	37.0	1,769
5	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582	9.1	1,430
6	Termination of autophagy and reformation of lysosomes regulated by mTOR. Nature, 2010, 465, 942-946.	27.8	1,303
7	Molecular definitions of autophagy and related processes. EMBO Journal, 2017, 36, 1811-1836.	7.8	1,230
8	Regulation of an ATG7-beclin 1 Program of Autophagic Cell Death by Caspase-8. Science, 2004, 304, 1500-1502.	12.6	1,197
9	HDAC6 rescues neurodegeneration and provides an essential link between autophagy and the UPS. Nature, 2007, 447, 860-864.	27.8	1,068
10	Autophagy in malignant transformation and cancer progression. EMBO Journal, 2015, 34, 856-880.	7.8	1,012
11	Autophagy: dual roles in life and death?. Nature Reviews Molecular Cell Biology, 2005, 6, 505-510.	37.0	889
12	Autophagic programmed cell death by selective catalase degradation. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4952-4957.	7.1	619
13	Autophagy in major human diseases. EMBO Journal, 2021, 40, e108863.	7.8	615
14	Growth Arrest and Autophagy Are Required for Salivary Gland Cell Degradation in Drosophila. Cell, 2007, 131, 1137-1148.	28.9	547
15	Life, death and autophagy. Nature Cell Biology, 2018, 20, 1110-1117.	10.3	492
16	Cleaning House: Selective Autophagy of Organelles. Developmental Cell, 2017, 41, 10-22.	7.0	474
17	How death shapes life during development. Nature Reviews Molecular Cell Biology, 2002, 3, 779-787.	37.0	362
18	Autophagy, Not Apoptosis, Is Essential for Midgut Cell Death in Drosophila. Current Biology, 2009, 19, 1741-1746.	3.9	337

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19	Regulation and Function of Autophagy during Cell Survival and Cell Death. Cold Spring Harbor Perspectives in Biology, 2012, 4, a008813-a008813.	5.5	302
20	The class III PI(3)K Vps34 promotes autophagy and endocytosis but not TOR signaling in Drosophila . Journal of Cell Biology, 2008, 181, 655-666.	5.2	299
21	Spinster is required for autophagic lysosome reformation and mTOR reactivation following starvation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7826-7831.	7.1	249
22	Caspases function in autophagic programmed cell death in Drosophila. Development (Cambridge), 2004, 131, 275-284.	2.5	227
23	Autophagic degradation of dBruce controls DNA fragmentation in nurse cells during late Drosophila melanogaster oogenesis. Journal of Cell Biology, 2010, 190, 523-531.	5.2	224
24	A molecular mechanism for the stage specificity of the Drosophila prepupal genetic response to ecdysone. Cell, 1994, 79, 607-615.	28.9	214
25	Steroid Regulation of Midgut Cell Death during Drosophila Development. Developmental Biology, 2002, 250, 101-111.	2.0	199
26	Genome-Wide Analyses of Steroid- and Radiation-Triggered Programmed Cell Death in Drosophila. Current Biology, 2003, 13, 350-357.	3.9	198
27	E93 Directs Steroid-Triggered Programmed Cell Death in Drosophila. Molecular Cell, 2000, 6, 433-443.	9.7	181
28	Uba1 functions in Atg7- and Atg3-independent autophagy. Nature Cell Biology, 2013, 15, 1067-1078.	10.3	165
29	Autophagy, cell death, and cancer. Molecular and Cellular Oncology, 2015, 2, e985913.	0.7	144
30	The Drosophila E93 Gene from the 93F Early Puff Displays Stage- and Tissue-Specific Regulation by 20-Hydroxyecdysone. Developmental Biology, 1995, 171, 85-97.	2.0	142
31	Autophagy in Cell Life and Cell Death. Current Topics in Developmental Biology, 2015, 114, 67-91.	2.2	132
32	The Drosophila caspase Ice is important for many apoptotic cell deaths and for spermatid individualization, a nonapoptotic process. Development (Cambridge), 2006, 133, 3305-3315.	2.5	130
33	Activation of autophagy during cell death requires the engulfment receptor Draper. Nature, 2010, 465, 1093-1096.	27.8	117
34	Vps13D Encodes a Ubiquitin-Binding Protein that Is Required for the Regulation of Mitochondrial Size and Clearance. Current Biology, 2018, 28, 287-295.e6.	3.9	115
35	Genetic Mechanism for the Stage- and Tissue-Specific Regulation of Steroid Triggered Programmed Cell Death in Drosophila. Developmental Biology, 2002, 252, 138-148.	2.0	108
36	Autophagy in Drosophila melanogaster. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1452-1460.	4.1	96

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37	Atg6 is required for multiple vesicle trafficking pathways and hematopoiesis in Drosophila. Development (Cambridge), 2013, 140, 1321-1329.	2.5	96
38	Eaten alive: novel insights into autophagy from multicellular model systems. Trends in Cell Biology, 2015, 25, 376-387.	7.9	92
39	miRNAs: Micro Managers of Programmed Cell Death. Current Biology, 2003, 13, R473-R475.	3.9	71
40	Ecdysone signaling cascade and regulation ofDrosophila metamorphosis. , 1996, 33, 231-244.		68
41	Visualization and analysis of microarray and gene ontology data with treemaps. BMC Bioinformatics, 2004, 5, 84.	2.6	68
42	Autophagy in animal development. Cell Death and Differentiation, 2020, 27, 903-918.	11.2	66
43	miR-14 Regulates Autophagy during Developmental Cell Death by Targeting ip3-kinase 2. Molecular Cell, 2014, 56, 376-388.	9.7	62
44	Distinct death mechanisms in Drosophila development. Current Opinion in Cell Biology, 2010, 22, 889-895.	5.4	61
45	The Role of Autophagy in Drosophila Metamorphosis. Current Topics in Developmental Biology, 2013, 103, 101-125.	2.2	58
46	Complement-Related Regulates Autophagy in Neighboring Cells. Cell, 2017, 170, 158-171.e8.	28.9	56
47	Warts Is Required for PI3K-Regulated Growth Arrest, Autophagy, and Autophagic Cell Death in Drosophila. Current Biology, 2008, 18, 1466-1475.	3.9	55
48	Larval midgut destruction in Drosophila: Not dependent on caspases but suppressed by the loss of autophagy. Autophagy, 2010, 6, 163-165.	9.1	53
49	Dynein light chain 1 is required for autophagy, protein clearance, and cell death inDrosophila. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 742-747.	7.1	50
50	Eating on the fly: Function and regulation of autophagy during cell growth, survival and death in Drosophila. Autophagy, 2008, 4, 557-562.	9.1	48
51	VPS13D promotes peroxisome biogenesis. Journal of Cell Biology, 2021, 220, .	5.2	47
52	The NF-ÎºB Factor Relish Regulates Atg1 Expression and Controls Autophagy. Cell Reports, 2018, 25, 2110-2120.e3.	6.4	31
53	Autophagy Promotes Tumor-like Stem Cell Niche Occupancy. Current Biology, 2018, 28, 3056-3064.e3.	3.9	28
54	Vps13D functions in a Pink1-dependent and Parkin-independent mitophagy pathway. Journal of Cell Biology, 2021, 220, .	5.2	27

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55	Genetic regulation of programmed cell death in Drosophila. Cell Research, 2000, 10, 193-204.	12.0	26
56	Autophagy is not the answer. Nature, 2015, 528, 482-483.	27.8	25
57	Vmp1, Vps13D, and Marf/Mfn2 function in a conserved pathway to regulate mitochondria and ER contact in development and disease. Current Biology, 2021, 31, 3028-3039.e7.	3.9	25
58	Eaten to death. FEBS Journal, 2014, 281, 5411-5417.	4.7	24
59	Ral <scp>GTP</scp> ase and the exocyst regulate autophagy in a tissueâ€specific manner. EMBO Reports, 2016, 17, 110-121.	4.5	24
60	The engulfment receptor Draper is required for autophagy during cell death. Autophagy, 2010, 6, 1192-1193.	9.1	17
61	The Proton-Coupled Monocarboxylate Transporter Hermes Is Necessary for Autophagy during Cell Death. Developmental Cell, 2018, 47, 281-293.e4.	7.0	17
62	A conserved myotubularin-related phosphatase regulates autophagy by maintaining autophagic flux. Journal of Cell Biology, 2020, 219, .	5.2	17
63	Drosophila E93 promotes adult development and suppresses larval responses to ecdysone during metamorphosis. Developmental Biology, 2022, 481, 104-115.	2.0	10
64	ESCRT dysfunction compromises endoplasmic reticulum maturation and autophagosome biogenesis in Drosophila. Current Biology, 2022, 32, 1262-1274.e4.	3.9	9
65	Caspase Activation Finds Fertile Ground. Developmental Cell, 2003, 4, 608-609.	7.0	8
66	Autophagy and Cell Death in the Fly. Methods in Enzymology, 2014, 545, 181-199.	1.0	5
67	Growth Control: p53, the Guardian Angel of Compensatory Proliferation. Current Biology, 2006, 16, R840-R842.	3.9	4
68	Autophagy, Inflammation, and Metabolism (AIM) Center of Biomedical Research Excellence: supporting the next generation of autophagy researchers and fostering international collaborations. Autophagy, 2018, 14, 925-929.	9.1	3
69	Autophagy SEPArates Germline and Somatic Cells. Cell, 2009, 136, 207-208.	28.9	2
70	Histological assessment of developmental cell death in Drosophila pupae. STAR Protocols, 2021, 2, 100473.	1.2	2
71	Atg6 promotes organismal health by suppression of cell stress and inflammation. Cell Death and Differentiation, 2022, 29, 2275-2287.	11.2	1
72	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. Autophagy, 2019, 15, 1829-1833.	9.1	0

#	Article	IF	Citations
73	Discovery of Novel Regulators of Autophagy in Animals. Innovation in Aging, 2020, 4, 744-744.	0.1	0