Gabor Juhasz

List of Publications by Citations

97 papers	12,862 citations	36 h-index	110 g-index
110 ext. papers	15,074 ext. citations	7.7 avg, IF	5.82 L-index

#	Paper	IF	Citations
97	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
96	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
95	Direct induction of autophagy by Atg1 inhibits cell growth and induces apoptotic cell death. *Current Biology*, **2007**, 17, 1-11	6.3	893
94	Molecular definitions of autophagy and related processes. *EMBO Journal*, **2017**, 36, 1811-1836	13	857
93	Programmed autophagy in the Drosophila fat body is induced by ecdysone through regulation of the PI3K pathway. *Developmental Cell*, **2004**, 7, 179-92	10.2	382
92	Atg7-dependent autophagy promotes neuronal health, stress tolerance, and longevity but is dispensable for metamorphosis in Drosophila. *Genes and Development*, **2007**, 21, 3061-6	12.6	306
91	The class III PI(3)K Vps34 promotes autophagy and endocytosis but not TOR signaling in Drosophila. *Journal of Cell Biology*, **2008**, 181, 655-66	7.3	263
90	Microenvironmental autophagy promotes tumour growth. *Nature*, **2017**, 541, 417-420	50.4	245
89	Autophagosome-lysosome fusion is independent of V-ATPase-mediated acidification. *Nature Communications*, **2015**, 6, 7007	17.4	216
88	Autophagosomal Syntaxin17-dependent lysosomal degradation maintains neuronal function in Drosophila. *Journal of Cell Biology*, **2013**, 201, 531-9	7.3	216
87	Nucleocytosolic depletion of the energy metabolite acetyl-coenzyme a stimulates autophagy and prolongs lifespan. *Cell Metabolism*, **2014**, 19, 431-44	24.6	189
86	Interaction of the HOPS complex with Syntaxin 17 mediates autophagosome clearance in Drosophila. *Molecular Biology of the Cell*, **2014**, 25, 1338-54	3.5	163
85	Nutrient-dependent regulation of autophagy through the target of rapamycin pathway. *Biochemical Society Transactions*, **2009**, 37, 232-6	5.1	133
84	The Ccz1-Mon1-Rab7 module and Rab5 control distinct steps of autophagy. *Molecular Biology of the Cell*, **2016**, 27, 3132-3142	3.5	108
83	Autophagy: a forty-year search for a missing membrane source. *PLoS Biology*, **2006**, 4, e36	9.7	107
82	Mutation in ATG5 reduces autophagy and leads to ataxia with developmental delay. *ELife*, **2016**, 5,	8.9	107
81	Advantages and limitations of different p62-based assays for estimating autophagic activity in Drosophila. *PLoS ONE*, **2012**, 7, e44214	3.7	97

80	Gene expression profiling identifies FKBP39 as an inhibitor of autophagy in larval Drosophila fat body. *Cell Death and Differentiation*, **2007**, 14, 1181-90	12.7	94
79	Rab11 facilitates cross-talk between autophagy and endosomal pathway through regulation of Hook localization. *Molecular Biology of the Cell*, **2014**, 25, 522-31	3.5	84
78	The Drosophila homolog of Aut1 is essential for autophagy and development. *FEBS Letters*, **2003**, 543, 154-8	3.8	81
77	Autophagy occurs upstream or parallel to the apoptosome during histolytic cell death. *Development (Cambridge)*, **2006**, 133, 1457-65	6.6	80
76	Autophagy in major human diseases. *EMBO Journal*, **2021**, 40, e108863	13	79
75	Myc-driven overgrowth requires unfolded protein response-mediated induction of autophagy and antioxidant responses in Drosophila melanogaster. *PLoS Genetics*, **2013**, 9, e1003664	6	69
74	How and why to study autophagy in Drosophila: it's more than just a garbage chute. *Methods*, **2015**, 75, 151-61	4.6	66
73	Rab2 promotes autophagic and endocytic lysosomal degradation. *Journal of Cell Biology*, **2017**, 216, 1937-1947	7.3	64
72	Autophagosome-Lysosome Fusion. *Journal of Molecular Biology*, **2020**, 432, 2462-2482	6.5	64
71	Atg17/FIP200 localizes to perilysosomal Ref(2)P aggregates and promotes autophagy by activation of Atg1 in Drosophila. *Autophagy*, **2014**, 10, 453-67	10.2	55
70	Autophagy in Drosophila: from historical studies to current knowledge. *BioMed Research International*, **2014**, 2014, 273473	3	47
69	Interpretation of bafilomycin, pH neutralizing or protease inhibitor treatments in autophagic flux experiments: novel considerations. *Autophagy*, **2012**, 8, 1875-6	10.2	47
68	SNF4Agamma, the Drosophila AMPK gamma subunit is required for regulation of developmental and stress-induced autophagy. *Autophagy*, **2008**, 4, 476-86	10.2	47
67	Matrix metalloproteinase-9 activity increased by two different types of epileptic seizures that do not induce neuronal death: a possible role in homeostatic synaptic plasticity. *Neurochemistry International*, **2010**, 56, 799-809	4.4	46
66	Non-canonical role of the SNARE protein Ykt6 in autophagosome-lysosome fusion. *PLoS Genetics*, **2018**, 14, e1007359	6	46
65	Loss of the starvation-induced gene Rack1 leads to glycogen deficiency and impaired autophagic responses in Drosophila. *Autophagy*, **2012**, 8, 1124-35	10.2	44
64	Impaired proteasomal degradation enhances autophagy via hypoxia signaling in Drosophila. *BMC Cell Biology*, **2013**, 14, 29		40
63	Molecular mechanisms of developmentally programmed crinophagy in. *Journal of Cell Biology*, **2018** , 217, 361-374	7.3	39

62	Retromer Ensures the Degradation of Autophagic Cargo by Maintaining Lysosome Function in Drosophila. *Traffic*, **2015**, 16, 1088-107	5.7	39
61	Exploring Autophagy in Drosophila. *Cells*, **2017**, 6,	7.9	36
60	AUTEN-67, an autophagy-enhancing drug candidate with potent antiaging and neuroprotective effects. *Autophagy*, **2016**, 12, 273-86	10.2	35
59	Evolutionarily conserved role and physiological relevance of a STX17/Syx17 (syntaxin 17)-containing SNARE complex in autophagosome fusion with endosomes and lysosomes. *Autophagy*, **2013**, 9, 1642-6	10.2	35
58	Autophagy maintains stem cells and intestinal homeostasis in Drosophila. *Scientific Reports*, **2018**, 8, 4644	4.9	34
57	Different effects of Atg2 and Atg18 mutations on Atg8a and Atg9 trafficking during starvation in Drosophila. *FEBS Letters*, **2014**, 588, 408-13	3.8	32
56	Experimental control and characterization of autophagy in Drosophila. *Methods in Molecular Biology*, **2008**, 445, 125-33	1.4	32
55	MiniCORVET is a Vps8-containing early endosomal tether in Drosophila. *ELife*, **2016**, 5,	8.9	32
54	Autophagy within the mushroom body protects from synapse aging in a non-cell autonomous manner. *Nature Communications*, **2019**, 10, 1318	17.4	31
53	Drosophila basement membrane collagen col4a1 mutations cause severe myopathy. *Matrix Biology*, **2012**, 31, 29-37	11.4	30
52	Spatiotemporal dynamics of Spc105 regulates the assembly of the Drosophila kinetochore. *Open Biology*, **2012**, 2, 110032	7	28
51	Drosophila Gyf/GRB10 interacting GYF protein is an autophagy regulator that controls neuron and muscle homeostasis. *Autophagy*, **2015**, 11, 1358-72	10.2	27
50	On the Fly: Recent Progress on Autophagy and Aging in Drosophila. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 140	5.7	27
49	The putative HORMA domain protein Atg101 dimerizes and is required for starvation-induced and selective autophagy in Drosophila. *BioMed Research International*, **2014**, 2014, 470482	3	27
48	The electroretinogram and visual evoked potential of freely moving rats. *Brain Research Bulletin*, **2001**, 56, 7-14	3.9	26
47	DAAM is required for thin filament formation and Sarcomerogenesis during muscle development in Drosophila. *PLoS Genetics*, **2014**, 10, e1004166	6	25
46	Drosophila Atg7: required for stress resistance, longevity and neuronal homeostasis, but not for metamorphosis. *Autophagy*, **2008**, 4, 357-8	10.2	23
45	Loss of Atg16 delays the alcohol-induced sedation response via regulation of Corazonin neuropeptide production in Drosophila. *Scientific Reports*, **2016**, 6, 34641	4.9	23

44	Hid can induce, but is not required for autophagy in polyploid larval Drosophila tissues. *European Journal of Cell Biology*, **2005**, 84, 491-502	6.1	21
43	Atg16 promotes enteroendocrine cell differentiation via regulation of intestinal Slit/Robo signaling. *Development (Cambridge)*, **2017**, 144, 3990-4001	6.6	19
42	Proteasome dysfunction induces excessive proteome instability and loss of mitostasis that can be mitigated by enhancing mitochondrial fusion or autophagy. *Autophagy*, **2019**, 15, 1757-1773	10.2	19
41	Reduced expression of CDP-DAG synthase changes lipid composition and leads to male sterility in Drosophila. *Open Biology*, **2016**, 6, 50169	7	18
40	Stem-cell-specific endocytic degradation defects lead to intestinal dysplasia in Drosophila. *DMM Disease Models and Mechanisms*, **2016**, 9, 501-12	4.1	15
39	JNK modifies neuronal metabolism to promote proteostasis and longevity. *Aging Cell*, **2019**, 18, e12849	9.9	14
38	Understanding the importance of autophagy in human diseases using Drosophila. *Journal of Genetics and Genomics*, **2019**, 46, 157-169	4	12
37	Drosophila Arl8 is a general positive regulator of lysosomal fusion events. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2019**, 1866, 533-544	4.9	12
36	Zonda is a novel early component of the autophagy pathway in. *Molecular Biology of the Cell*, **2017**, 28, 3070-3081	3.5	11
35	A novel role for the Drosophila epsin (lqf): involvement in autophagy. *Autophagy*, **2009**, 5, 636-48	10.2	11
34	Testis-Specific Bb8 Is Essential in the Development of Spermatid Mitochondria. *PLoS ONE*, **2016**, 11, e0161289	3.7	11
33	Sperm-Leucylaminopeptidases are required for male fertility as structural components of mitochondrial paracrystalline material in Drosophila melanogaster sperm. *PLoS Genetics*, **2019**, 15, e1007987	6	10
32	Cyclobutane pyrimidine dimers from UVB exposure induce a hypermetabolic state in keratinocytes via mitochondrial oxidative stress. *Redox Biology*, **2021**, 38, 101808	11.3	9
31	Small GTPases controlling autophagy-related membrane traffic in yeast and metazoans. *Small GTPases*, **2018**, 9, 465-471	2.7	8
30	Visible light induces matrix metalloproteinase-9 expression in rat eye. *Journal of Neurochemistry*, **2007**, 103, 2224-33	6	8
29	Vps8 overexpression inhibits HOPS-dependent trafficking routes by outcompeting Vps41/Lt. *ELife*, **2019**, 8,	8.9	8
28	Drosophila Atg9 regulates the actin cytoskeleton via interactions with profilin and Ena. *Cell Death and Differentiation*, **2020**, 27, 1677-1692	12.7	8
27	A mitochondrial-derived vesicle HOPS to endolysosomes using Syntaxin-17. *Journal of Cell Biology*, **2016**, 214, 241-3	7.3	8

26	iFly: The eye of the fruit fly as a model to study autophagy and related trafficking pathways. *Experimental Eye Research*, **2016**, 144, 90-8	3.7	7
25	Crinophagy mechanisms and its potential role in human health and disease. *Progress in Molecular Biology and Translational Science*, **2020**, 172, 239-255	4	7
24	Genes encoding cuticular proteins are components of the Nimrod gene cluster in Drosophila. *Insect Biochemistry and Molecular Biology*, **2017**, 87, 45-54	4.5	7
23	Loss of Drosophila Vps16A enhances autophagosome formation through reduced Tor activity. *Autophagy*, **2015**, 11, 1209-15	10.2	7
22	The Warburg Micro Syndrome-associated Rab3GAP-Rab18 module promotes autolysosome maturation through the Vps34 Complex I. *FEBS Journal*, **2021**, 288, 190-211	5.7	7
21	A genetic model with specifically impaired autophagosome-lysosome fusion. *Autophagy*, **2013**, 9, 1251-2	10.2	6
20	Analysis of Drosophila Atg8 proteins reveals multiple lipidation-independent roles. *Autophagy*, **2021**, 17, 2565-2575	10.2	6
19	Investigating Non-selective Autophagy in Drosophila. *Methods in Molecular Biology*, **2019**, 1880, 589-600	1.4	6
18	Doxycycline could aggravate the absence-like epileptic seizures of WAG/Rij rats via matrix metalloproteinase inhibition. *Neurochemistry International*, **2011**, 59, 563-6	4.4	5
17	Degradation of arouser by endosomal microautophagy is essential for adaptation to starvation in Drosophila. *Life Science Alliance*, **2021**, 4, e202000965	5.8	5
16	Silencing of PARP2 Blocks Autophagic Degradation. *Cells*, **2020**, 9,	7.9	4
15	Mitochondrial fission, integrity and completion of mitophagy require separable functions of Vps13D in Drosophila neurons		4
14	Mitochondrial fission, integrity and completion of mitophagy require separable functions of Vps13D in Drosophila neurons. *PLoS Genetics*, **2021**, 17, e1009731	6	3
13	A possible approach to study autophagy in Drosophila. *Acta Biologica Hungarica*, **2001**, 52, 485-90		2
12	Degradation of arouser by endosomal microautophagy is essential for adaptation to starvation in. *Life Science Alliance*, **2021**, 4,	5.8	2
11	Lipid profiles of autophagic structures isolated from wild type and Atg2 mutant Drosophila. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2021**, 1866, 158868	5	2
10	Cellular Immune Response Involving Multinucleated Giant Hemocytes with Two-Step Genome Amplification in the Drosophilid Zaprionus indianus. *Journal of Innate Immunity*, **2020**, 12, 257-272	6.9	2
9	Loss of ubiquitinated protein autophagy is compensated by persistent cnc/NFE2L2/Nrf2 antioxidant responses.. *Autophagy*, **2022**, 1-12	10.2	2

List of Publications

8	GMAP is an Atg8a-interacting protein that regulates Golgi turnover in Drosophila. *Cell Reports*, **2022**, 39, 110903	10.6	2
7	Sec20 is Required for Autophagic and Endocytic Degradation Independent of Golgi-ER Retrograde Transport. *Cells*, **2019**, 8,	7.9	1
6	The interplay between pathogens and Atg8 family proteins: thousand-faced interactions. *FEBS Open Bio*, **2021**, 11, 3237-3252	2.7	1
5	Identification of New Interactions between Endolysosomal Tethering Factors. *Journal of Molecular Biology*, **2021**, 433, 166965	6.5	1
4	Broad Ultrastructural and Transcriptomic Changes Underlie the Multinucleated Giant Hemocyte Mediated Innate Immune Response against Parasitoids. *Journal of Innate Immunity*, **2021**, 1-20	6.9	0
3	The tumor suppressor archipelago E3 ligase is required for spermatid differentiation in Drosophila testis. *Scientific Reports*, **2021**, 11, 8422	4.9	0
2	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. *Autophagy*, **2019**, 15, 1829-1833	16.2	
1	A role of autophagy in spinocerebellar ataxia-Rare exception or general principle?. *Autophagy*, **2016**, 12, 1208-9	10.2	