Gabor Juhasz

List of Publications by Year in descending order

105 papers	16,818 citations	66343 42 h-index	32842 100 g-index
111 all docs	111 docs citations	111 times ranked	27218 citing authors

#	Article	IF	Citations
1	Broad Ultrastructural and Transcriptomic Changes Underlie the Multinucleated Giant Hemocyte Mediated Innate Immune Response against Parasitoids. Journal of Innate Immunity, 2022, 14, 335-354.	3.8	5
2	Loss of ubiquitinated protein autophagy is compensated by persistent cnc/NFE2L2/Nrf2 antioxidant responses. Autophagy, 2022, 18, 2385-2396.	9.1	6
3	Isolation and characterization of novel plekhm1 and def8 mutant alleles in Drosophila. Biologia Futura, 2022, 73, 149-155.	1.4	2
4	GMAP is an Atg8a-interacting protein that regulates Golgi turnover in Drosophila. Cell Reports, 2022, 39, 110903.	6.4	13
5	The legacy of JÃ¡nos KovÃ¡cs: a lifelong devotion to advancing autophagy research. Autophagy, 2022, 18, 2017-2019.	9.1	1
6	Analysis of Drosophila Atg8 proteins reveals multiple lipidation-independent roles. Autophagy, 2021, 17, 2565-2575.	9.1	27
7	The Warburg Micro Syndromeâ€associated Rab3GAPâ€Rab18 module promotes autolysosome maturation through the Vps34 Complex I. FEBS Journal, 2021, 288, 190-211.	4.7	15
8	Cyclobutane pyrimidine dimers from UVB exposure induce a hypermetabolic state in keratinocytes via mitochondrial oxidative stress. Redox Biology, 2021, 38, 101808.	9.0	18
9	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.	2.4	18
10	The tumor suppressor archipelago E3 ligase is required for spermatid differentiation in Drosophila testis. Scientific Reports, 2021, 11, 8422.	3.3	4
11	Identification of New Interactions between Endolysosomal Tethering Factors. Journal of Molecular Biology, 2021, 433, 166965.	4.2	4
12	Autophagy in major human diseases. EMBO Journal, 2021, 40, e108863.	7.8	615
13	Mitochondrial fission, integrity and completion of mitophagy require separable functions of Vps13D in Drosophila neurons. PLoS Genetics, 2021, 17, e1009731.	3.5	8
14	Drosophila Rab39 Attenuates Lysosomal Degradation. International Journal of Molecular Sciences, 2021, 22, 10635.	4.1	2
15	The interplay between pathogens and Atg8 family proteins: thousandâ€faced interactions. FEBS Open Bio, 2021, 11, 3237-3252.	2.3	7
16	Degradation of arouser by endosomal microautophagy is essential for adaptation to starvation in. Life Science Alliance, 2021, 4, .	2.8	2
17	Degradation of arouser by endosomal microautophagy is essential for adaptation to starvation in Drosophila. Life Science Alliance, 2021, 4, e202000965.	2.8	6
18	Ion Channels and Pumps in Autophagy: A Reciprocal Relationship. Cells, 2021, 10, 3537.	4.1	10

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19	Cellular Immune Response Involving Multinucleated Giant Hemocytes with Two-Step Genome Amplification in the Drosophilid <i>Zaprionus indianus</i>. Journal of Innate Immunity, 2020, 12, 257-272.	3.8	7
20	Autophagosome-Lysosome Fusion. Journal of Molecular Biology, 2020, 432, 2462-2482.	4.2	184
21	Drosophila Atg9 regulates the actin cytoskeleton via interactions with profilin and Ena. Cell Death and Differentiation, 2020, 27, 1677-1692.	11.2	15
22	Crinophagy mechanisms and its potential role in human health and disease. Progress in Molecular Biology and Translational Science, 2020, 172, 239-255.	1.7	19
23	Silencing of PARP2 Blocks Autophagic Degradation. Cells, 2020, 9, 380.	4.1	12
24	Sec20 is Required for Autophagic and Endocytic Degradation Independent of Golgi-ER Retrograde Transport. Cells, 2019, 8, 768.	4.1	5
25	On the Fly: Recent Progress on Autophagy and Aging in Drosophila. Frontiers in Cell and Developmental Biology, 2019, 7, 140.	3.7	46
26	Painting a picture of autophagy in Drosophila. Autophagy, 2019, 15, 1859-1859.	9.1	0
27	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. Autophagy, 2019, 15, 1829-1833.	9.1	0
28	Understanding the importance of autophagy in human diseases using Drosophila. Journal of Genetics and Genomics, 2019, 46, 157-169.	3.9	16
29	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.	9.1	29
30	Autophagy within the mushroom body protects from synapse aging in a non-cell autonomous manner. Nature Communications, 2019, 10, 1318.	12.8	53
31	JNK modifies neuronal metabolism to promote proteostasis and longevity. Aging Cell, 2019, 18, e12849.	6.7	18
32	Sperm-Leucylaminopeptidases are required for male fertility as structural components of mitochondrial paracrystalline material in Drosophila melanogaster sperm. PLoS Genetics, 2019, 15, e1007987.	3.5	24
33	Drosophila Arl8 is a general positive regulator of lysosomal fusion events. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 533-544.	4.1	39
34	Investigating Non-selective Autophagy in Drosophila. Methods in Molecular Biology, 2019, 1880, 589-600.	0.9	11
35	Vps8 overexpression inhibits HOPS-dependent trafficking routes by outcompeting Vps41/Lt. ELife, 2019, 8, .	6.0	22
36	Autophagy maintains stem cells and intestinal homeostasis in Drosophila. Scientific Reports, 2018, 8, 4644.	3.3	46

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37	Small GTPases controlling autophagy-related membrane traffic in yeast and metazoans. Small GTPases, 2018, 9, 465-471.	1.6	13
38	Molecular mechanisms of developmentally programmed crinophagy in Drosophila. Journal of Cell Biology, 2018, 217, 361-374.	5.2	58
39	Non-canonical role of the SNARE protein Ykt6 in autophagosome-lysosome fusion. PLoS Genetics, 2018, 14, e1007359.	3.5	73
40	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
41	Microenvironmental autophagy promotes tumour growth. Nature, 2017, 541, 417-420.	27.8	379
42	Rab2 promotes autophagic and endocytic lysosomal degradation. Journal of Cell Biology, 2017, 216, 1937-1947.	5.2	98
43	Molecular definitions of autophagy and related processes. EMBO Journal, 2017, 36, 1811-1836.	7.8	1,230
44	Drosophila Atg16 promotes enteroendocrine cell differentiation via regulation of intestinal Slit/Robo signaling. Development (Cambridge), 2017, 144, 3990-4001.	2.5	31
45	Zonda is a novel early component of the autophagy pathway inDrosophila. Molecular Biology of the Cell, 2017, 28, 3070-3081.	2.1	17
46	Genes encoding cuticular proteins are components of the Nimrod gene cluster in Drosophila. Insect Biochemistry and Molecular Biology, 2017, 87, 45-54.	2.7	15
47	Exploring Autophagy in Drosophila. Cells, 2017, 6, 22.	4.1	67
48	Loss of Atg16 delays the alcohol-induced sedation response via regulation of Corazonin neuropeptide production in Drosophila. Scientific Reports, 2016, 6, 34641.	3.3	35
49	Stem cell-specific endocytic degradation defects lead to intestinal dysplasia in Drosophila. DMM Disease Models and Mechanisms, 2016, 9, 501-12.	2.4	18
50	A role of autophagy in spinocerebellar ataxiaâ€"Rare exception or general principle?. Autophagy, 2016, 12, 1208-1209.	9.1	0
51	A mitochondrial-derived vesicle HOPS to endolysosomes using Syntaxin-17. Journal of Cell Biology, 2016, 214, 241-243.	5.2	13
52	The Ccz1-Mon1-Rab7 module and Rab5 control distinct steps of autophagy. Molecular Biology of the Cell, 2016, 27, 3132-3142.	2.1	173
53	Reduced expression of CDP-DAG synthase changes lipid composition and leads to male sterility inDrosophila. Open Biology, 2016, 6, 150169.	3.6	26
54	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701

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55	AUTEN-67, an autophagy-enhancing drug candidate with potent antiaging and neuroprotective effects. Autophagy, 2016, 12, 273-286.	9.1	50
56	iFly: The eye of the fruit fly as a model to study autophagy and related trafficking pathways. Experimental Eye Research, 2016, 144, 90-98.	2.6	8
57	Testis-Specific Bb8 Is Essential in the Development of Spermatid Mitochondria. PLoS ONE, 2016, 11, e0161289.	2.5	19
58	Mutation in ATG5 reduces autophagy and leads to ataxia with developmental delay. ELife, 2016, 5, .	6.0	161
59	MiniCORVET is a Vps8-containing early endosomal tether in Drosophila. ELife, 2016, 5, .	6.0	50
60	Retromer Ensures the Degradation of Autophagic Cargo by Maintaining Lysosome Function in Drosophila. Traffic, 2015, 16, 1088-1107.	2.7	54
61	Loss of Drosophila Vps16A enhances autophagosome formation through reduced Tor activity. Autophagy, 2015, 11, 1209-1215.	9.1	11
62	Autophagosomeâ€“lysosome fusion is independent of V-ATPase-mediated acidification. Nature Communications, 2015, 6, 7007.	12.8	314
63	Drosophila Gyf/GRB10 interacting GYF protein is an autophagy regulator that controls neuron and muscle homeostasis. Autophagy, 2015, 11, 1358-1372.	9.1	41
64	How and why to study autophagy in Drosophila: Itâ€™s more than just a garbage chute. Methods, 2015, 75, 151-161.	3.8	106
65	Autophagy in Development, Cell Differentiation, and Homeodynamics: From Molecular Mechanisms to Diseases and Pathophysiology. BioMed Research International, 2014, 2014, 1-2.	1.9	11
66	Autophagy inDrosophila: From Historical Studies to Current Knowledge. BioMed Research International, 2014, 2014, 1-24.	1.9	68
67	The Putative HORMA Domain Protein Atg101 Dimerizes and Is Required for Starvation-Induced and Selective Autophagy inDrosophila. BioMed Research International, 2014, 2014, 1-13.	1.9	36
68	DAAM Is Required for Thin Filament Formation and Sarcomerogenesis during Muscle Development in Drosophila. PLoS Genetics, 2014, 10, e1004166.	3.5	38
69	Interaction of the HOPS complex with Syntaxin 17 mediates autophagosome clearance inDrosophila. Molecular Biology of the Cell, 2014, 25, 1338-1354.	2.1	247
70	Atg17/FIP200 localizes to perilysosomal Ref(2)P aggregates and promotes autophagy by activation of Atg1 inDrosophila. Autophagy, 2014, 10, 453-467.	9.1	75
71	Rab11 facilitates cross-talk between autophagy and endosomal pathway through regulation of Hook localization. Molecular Biology of the Cell, 2014, 25, 522-531.	2.1	106
72	Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. Cell Metabolism, 2014, 19, 431-444.	16.2	221

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73	Different effects of Atg2 and Atg18 mutations on Atg8a and Atg9 trafficking during starvation in Drosophila. FEBS Letters, 2014, 588, 408-413.	2.8	46
74	Impaired proteasomal degradation enhances autophagy via hypoxia signaling in Drosophila. BMC Cell Biology, 2013, 14, 29.	3.0	53
75	Myc-Driven Overgrowth Requires Unfolded Protein Response-Mediated Induction of Autophagy and Antioxidant Responses in Drosophila melanogaster. PLoS Genetics, 2013, 9, e1003664.	3.5	81
76	A genetic model with specifically impaired autophagosomeâ€“lysosome fusion. Autophagy, 2013, 9, 1251-1252.	9.1	6
77	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, 1642-1646.	9.1	43
78	Autophagosomal Syntaxin17-dependent lysosomal degradation maintains neuronal function in Drosophila. Journal of Cell Biology, 2013, 201, 531-539.	5.2	307
79	Autophagy researchers. Autophagy, 2013, 9, 815-818.	9.1	0
80	Loss of the starvation-induced gene Rack1 leads to glycogen deficiency and impaired autophagic responses in Drosophila. Autophagy, 2012, 8, 1124-1135.	9.1	52
81	Interpretation of bafilomycin, pH neutralizing or protease inhibitor treatments in autophagic flux experiments. Autophagy, 2012, 8, 1875-1876.	9.1	57
82	Drosophila basement membrane collagen col4a1 mutations cause severe myopathy. Matrix Biology, 2012, 31, 29-37.	3.6	39
83	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
84	Spatiotemporal dynamics of Spc105 regulates the assembly of the Drosophila kinetochore. Open Biology, 2012, 2, 110032.	3.6	47
85	Advantages and Limitations of Different p62-Based Assays for Estimating Autophagic Activity in Drosophila. PLoS ONE, 2012, 7, e44214.	2.5	145
86	Doxycycline could aggravate the absence-like epileptic seizures of WAG/Rij rats via matrix metalloproteinase inhibition. Neurochemistry International, 2011, 59, 563-566.	3.8	7
87	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.	3.8	54
88	A novel role for the Drosophila epsin (lqf): Involvement in autophagy. Autophagy, 2009, 5, 636-648.	9.1	17
89	Nutrient-dependent regulation of autophagy through the target of rapamycin pathway. Biochemical Society Transactions, 2009, 37, 232-236.	3.4	146
90	Experimental Control and Characterization of Autophagy in Drosophila. Methods in Molecular Biology, 2008, 445, 125-133.	0.9	38

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91	SNF4AÎ³, the Drosophila AMPK Î³ subunit is required for regulation of developmental and stress-induced autophagy. Autophagy, 2008, 4, 476-486.	9.1	53
92	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
93	Drosophila Atg7: Required for stress resistance, longevity and neuronal homeostasis, but not for metamorphosis. Autophagy, 2008, 4, 357-358.	9.1	24
94	Atg7-dependent autophagy promotes neuronal health, stress tolerance, and longevity but is dispensable for metamorphosis in Drosophila. Genes and Development, 2007, 21, 3061-3066.	5.9	378
95	Gene expression profiling identifies FKBP39 as an inhibitor of autophagy in larval Drosophila fat body. Cell Death and Differentiation, 2007, 14, 1181-1190.	11.2	107
96	Visible light induces matrix metalloproteinase-9 expression in rat eye. Journal of Neurochemistry, 2007, 103, 2224-2233.	3.9	9
97	Direct Induction of Autophagy by Atg1 Inhibits Cell Growth and Induces Apoptotic Cell Death. Current Biology, 2007, 17, 1-11.	3.9	1,011
98	Autophagy occurs upstream or parallel to the apoptosome during histolytic cell death. Development (Cambridge), 2006, 133, 1457-1465.	2.5	93
99	Autophagy: A Forty-Year Search for a Missing Membrane Source. PLoS Biology, 2006, 4, e36.	5.6	118
100	Hid can induce, but is not required for autophagy in polyploid larval Drosophila tissues. European Journal of Cell Biology, 2005, 84, 491-502.	3.6	26
101	Programmed Autophagy in the Drosophila Fat Body Is Induced by Ecdysone through Regulation of the PI3K Pathway. Developmental Cell, 2004, 7, 179-192.	7.0	434
102	The Drosophila homolog of Aut1 is essential for autophagy and development. FEBS Letters, 2003, 543, 154-158.	2.8	93
103	The electroretinogram and visual evoked potential of freely moving rats. Brain Research Bulletin, 2001, 56, 7-14.	3.0	28
104	A POSSIBLE APPROACH TO STUDY AUTOPHAGY IN DROSOPHILA. Acta Biologica Hungarica, 2001, 52, 485-490.	0.7	3
105	Selective autophagy and Golgi quality control in Drosophila. Autophagy, 0, , 1-2.	9.1	0