

# Gabor Juhasz

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
3	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , 2017, 36, 1811-1836.	7.8	1,230
4	Direct Induction of Autophagy by Atg1 Inhibits Cell Growth and Induces Apoptotic Cell Death. <i>Current Biology</i> , 2007, 17, 1-11.	3.9	1,011
5	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021, 40, e108863.	7.8	615
6	Programmed Autophagy in the <i>Drosophila</i> Fat Body Is Induced by Ecdysone through Regulation of the PI3K Pathway. <i>Developmental Cell</i> , 2004, 7, 179-192.	7.0	434
7	Microenvironmental autophagy promotes tumour growth. <i>Nature</i> , 2017, 541, 417-420.	27.8	379
8	Atg7-dependent autophagy promotes neuronal health, stress tolerance, and longevity but is dispensable for metamorphosis in <i>Drosophila</i> . <i>Genes and Development</i> , 2007, 21, 3061-3066.	5.9	378
9	Autophagosome-lysosome fusion is independent of V-ATPase-mediated acidification. <i>Nature Communications</i> , 2015, 6, 7007.	12.8	314
10	Autophagosomal Syntaxin17-dependent lysosomal degradation maintains neuronal function in <i>Drosophila</i> . <i>Journal of Cell Biology</i> , 2013, 201, 531-539.	5.2	307
11	The class III PI(3)K Vps34 promotes autophagy and endocytosis but not TOR signaling in <i>Drosophila</i> . <i>Journal of Cell Biology</i> , 2008, 181, 655-666.	5.2	299
12	Interaction of the HOPS complex with Syntaxin 17 mediates autophagosome clearance in <i>Drosophila</i> . <i>Molecular Biology of the Cell</i> , 2014, 25, 1338-1354.	2.1	247
13	Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. <i>Cell Metabolism</i> , 2014, 19, 431-444.	16.2	221
14	Autophagosome-Lysosome Fusion. <i>Journal of Molecular Biology</i> , 2020, 432, 2462-2482.	4.2	184
15	The Ccz1-Mon1-Rab7 module and Rab5 control distinct steps of autophagy. <i>Molecular Biology of the Cell</i> , 2016, 27, 3132-3142.	2.1	173
16	Mutation in ATG5 reduces autophagy and leads to ataxia with developmental delay. <i>ELife</i> , 2016, 5, .	6.0	161
17	Nutrient-dependent regulation of autophagy through the target of rapamycin pathway. <i>Biochemical Society Transactions</i> , 2009, 37, 232-236.	3.4	146
18	Advantages and Limitations of Different p62-Based Assays for Estimating Autophagic Activity in <i>Drosophila</i> . <i>PLoS ONE</i> , 2012, 7, e44214.	2.5	145

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19	Autophagy: A Forty-Year Search for a Missing Membrane Source. <i>PLoS Biology</i> , 2006, 4, e36.	5.6	118
20	Gene expression profiling identifies FKBP39 as an inhibitor of autophagy in larval <i>Drosophila</i> fat body. <i>Cell Death and Differentiation</i> , 2007, 14, 1181-1190.	11.2	107
21	Rab11 facilitates cross-talk between autophagy and endosomal pathway through regulation of Hook localization. <i>Molecular Biology of the Cell</i> , 2014, 25, 522-531.	2.1	106
22	How and why to study autophagy in <i>Drosophila</i> : It's more than just a garbage chute. <i>Methods</i> , 2015, 75, 151-161.	3.8	106
23	Rab2 promotes autophagic and endocytic lysosomal degradation. <i>Journal of Cell Biology</i> , 2017, 216, 1937-1947.	5.2	98
24	The <i>Drosophila</i> homolog of Aut1 is essential for autophagy and development. <i>FEBS Letters</i> , 2003, 543, 154-158.	2.8	93
25	Autophagy occurs upstream or parallel to the apoptosome during histolytic cell death. <i>Development (Cambridge)</i> , 2006, 133, 1457-1465.	2.5	93
26	Myc-Driven Overgrowth Requires Unfolded Protein Response-Mediated Induction of Autophagy and Antioxidant Responses in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2013, 9, e1003664.	3.5	81
27	Atg17/FIP200 localizes to perilyosomal Ref(2)P aggregates and promotes autophagy by activation of Atg1 in <i>Drosophila</i> . <i>Autophagy</i> , 2014, 10, 453-467.	9.1	75
28	Non-canonical role of the SNARE protein Ykt6 in autophagosome-lysosome fusion. <i>PLoS Genetics</i> , 2018, 14, e1007359.	3.5	73
29	Autophagy in <i>Drosophila</i> : From Historical Studies to Current Knowledge. <i>BioMed Research International</i> , 2014, 2014, 1-24.	1.9	68
30	Exploring Autophagy in <i>Drosophila</i> . <i>Cells</i> , 2017, 6, 22.	4.1	67
31	Molecular mechanisms of developmentally programmed crinophagy in <i>Drosophila</i> . <i>Journal of Cell Biology</i> , 2018, 217, 361-374.	5.2	58
32	Interpretation of bafilomycin, pH neutralizing or protease inhibitor treatments in autophagic flux experiments. <i>Autophagy</i> , 2012, 8, 1875-1876.	9.1	57
33	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. <i>Neurochemistry International</i> , 2010, 56, 799-809.	3.8	54
34	Retromer Ensures the Degradation of Autophagic Cargo by Maintaining Lysosome Function in <i>Drosophila</i> . <i>Traffic</i> , 2015, 16, 1088-1107.	2.7	54
35	SNF4A <sup>3</sup> , the <i>Drosophila</i> AMPK <sup>3</sup> subunit is required for regulation of developmental and stress-induced autophagy. <i>Autophagy</i> , 2008, 4, 476-486.	9.1	53
36	Impaired proteasomal degradation enhances autophagy via hypoxia signaling in <i>Drosophila</i> . <i>BMC Cell Biology</i> , 2013, 14, 29.	3.0	53

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37	Autophagy within the mushroom body protects from synapse aging in a non-cell autonomous manner. <i>Nature Communications</i> , 2019, 10, 1318.	12.8	53
38	Loss of the starvation-induced gene Rack1 leads to glycogen deficiency and impaired autophagic responses in <i>Drosophila</i> . <i>Autophagy</i> , 2012, 8, 1124-1135.	9.1	52
39	AUTEN-67, an autophagy-enhancing drug candidate with potent antiaging and neuroprotective effects. <i>Autophagy</i> , 2016, 12, 273-286.	9.1	50
40	MiniCORVET is a Vps8-containing early endosomal tether in <i>Drosophila</i> . <i>ELife</i> , 2016, 5, .	6.0	50
41	Spatiotemporal dynamics of Spc105 regulates the assembly of the <i>Drosophila</i> kinetochore. <i>Open Biology</i> , 2012, 2, 110032.	3.6	47
42	Different effects of <i>Atg2</i> and <i>Atg18</i> mutations on <i>Atg8a</i> and <i>Atg9</i> trafficking during starvation in <i>Drosophila</i> . <i>FEBS Letters</i> , 2014, 588, 408-413.	2.8	46
43	Autophagy maintains stem cells and intestinal homeostasis in <i>Drosophila</i> . <i>Scientific Reports</i> , 2018, 8, 4644.	3.3	46
44	On the Fly: Recent Progress on Autophagy and Aging in <i>Drosophila</i> . <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 140.	3.7	46
45	Evolutionarily conserved role and physiological relevance of a STX17/Syx17 (syntaxin 17)-containing SNARE complex in autophagosome fusion with endosomes and lysosomes. <i>Autophagy</i> , 2013, 9, 1642-1646.	9.1	43
46	<i>Drosophila</i> Gyf/GRB10 interacting GYF protein is an autophagy regulator that controls neuron and muscle homeostasis. <i>Autophagy</i> , 2015, 11, 1358-1372.	9.1	41
47	<i>Drosophila</i> basement membrane collagen col4a1 mutations cause severe myopathy. <i>Matrix Biology</i> , 2012, 31, 29-37.	3.6	39
48	<i>Drosophila</i> Arl8 is a general positive regulator of lysosomal fusion events. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 533-544.	4.1	39
49	Experimental Control and Characterization of Autophagy in <i>Drosophila</i> . <i>Methods in Molecular Biology</i> , 2008, 445, 125-133.	0.9	38
50	DAAM Is Required for Thin Filament Formation and Sarcomerogenesis during Muscle Development in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2014, 10, e1004166.	3.5	38
51	The Putative HORMA Domain Protein <i>Atg101</i> Dimerizes and Is Required for Starvation-Induced and Selective Autophagy in <i>Drosophila</i> . <i>BioMed Research International</i> , 2014, 2014, 1-13.	1.9	36
52	Loss of <i>Atg16</i> delays the alcohol-induced sedation response via regulation of Corazonin neuropeptide production in <i>Drosophila</i> . <i>Scientific Reports</i> , 2016, 6, 34641.	3.3	35
53	<i>Drosophila</i> <i>Atg16</i> promotes enteroendocrine cell differentiation via regulation of intestinal Slit/Robo signaling. <i>Development (Cambridge)</i> , 2017, 144, 3990-4001.	2.5	31
54	Proteasome dysfunction induces excessive proteome instability and loss of mitostasis that can be mitigated by enhancing mitochondrial fusion or autophagy. <i>Autophagy</i> , 2019, 15, 1757-1773.	9.1	29

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55	The electroretinogram and visual evoked potential of freely moving rats. <i>Brain Research Bulletin</i> , 2001, 56, 7-14.	3.0	28
56	Analysis of <i>Drosophila</i> Atg8 proteins reveals multiple lipidation-independent roles. <i>Autophagy</i> , 2021, 17, 2565-2575.	9.1	27
57	Hid can induce, but is not required for autophagy in polyploid larval <i>Drosophila</i> tissues. <i>European Journal of Cell Biology</i> , 2005, 84, 491-502.	3.6	26
58	Reduced expression of CDP-DAG synthase changes lipid composition and leads to male sterility in <i>Drosophila</i> . <i>Open Biology</i> , 2016, 6, 150169.	3.6	26
59	<i>Drosophila</i> Atg7: Required for stress resistance, longevity and neuronal homeostasis, but not for metamorphosis. <i>Autophagy</i> , 2008, 4, 357-358.	9.1	24
60	Sperm-Leucylaminopeptidases are required for male fertility as structural components of mitochondrial paracrystalline material in <i>Drosophila melanogaster</i> sperm. <i>PLoS Genetics</i> , 2019, 15, e1007987.	3.5	24
61	Vps8 overexpression inhibits HOPS-dependent trafficking routes by outcompeting Vps41/Lt. <i>ELife</i> , 2019, 8, .	6.0	22
62	Crinophagy mechanisms and its potential role in human health and disease. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 172, 239-255.	1.7	19
63	Testis-Specific Bb8 Is Essential in the Development of Spermatid Mitochondria. <i>PLoS ONE</i> , 2016, 11, e0161289.	2.5	19
64	Stem cell-specific endocytic degradation defects lead to intestinal dysplasia in <i>Drosophila</i> . <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 501-12.	2.4	18
65	JNK modifies neuronal metabolism to promote proteostasis and longevity. <i>Aging Cell</i> , 2019, 18, e12849.	6.7	18
66	Cyclobutane pyrimidine dimers from UVB exposure induce a hypermetabolic state in keratinocytes via mitochondrial oxidative stress. <i>Redox Biology</i> , 2021, 38, 101808.	9.0	18
67	Lipid profiles of autophagic structures isolated from wild type and Atg2 mutant <i>Drosophila</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158868.	2.4	18
68	A novel role for the <i>Drosophila</i> epsin (lqf): Involvement in autophagy. <i>Autophagy</i> , 2009, 5, 636-648.	9.1	17
69	Zonda is a novel early component of the autophagy pathway in <i>Drosophila</i> . <i>Molecular Biology of the Cell</i> , 2017, 28, 3070-3081.	2.1	17
70	Understanding the importance of autophagy in human diseases using <i>Drosophila</i> . <i>Journal of Genetics and Genomics</i> , 2019, 46, 157-169.	3.9	16
71	Genes encoding cuticular proteins are components of the Nimrod gene cluster in <i>Drosophila</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017, 87, 45-54.	2.7	15
72	<i>Drosophila</i> Atg9 regulates the actin cytoskeleton via interactions with profilin and Ena. <i>Cell Death and Differentiation</i> , 2020, 27, 1677-1692.	11.2	15

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73	The Warburg Micro Syndrome-associated Rab3GAP-Rab18 module promotes autolysosome maturation through the Vps34 Complex I. <i>FEBS Journal</i> , 2021, 288, 190-211.	4.7	15
74	A mitochondrial-derived vesicle HOPS to endolysosomes using Syntaxin-17. <i>Journal of Cell Biology</i> , 2016, 214, 241-243.	5.2	13
75	Small GTPases controlling autophagy-related membrane traffic in yeast and metazoans. <i>Small GTPases</i> , 2018, 9, 465-471.	1.6	13
76	GMAP is an Atg8a-interacting protein that regulates Golgi turnover in <i>Drosophila</i> . <i>Cell Reports</i> , 2022, 39, 110903.	6.4	13
77	Silencing of PARP2 Blocks Autophagic Degradation. <i>Cells</i> , 2020, 9, 380.	4.1	12
78	Autophagy in Development, Cell Differentiation, and Homeodynamics: From Molecular Mechanisms to Diseases and Pathophysiology. <i>BioMed Research International</i> , 2014, 2014, 1-2.	1.9	11
79	Loss of <i>Drosophila</i> Vps16A enhances autophagosome formation through reduced Tor activity. <i>Autophagy</i> , 2015, 11, 1209-1215.	9.1	11
80	Investigating Non-selective Autophagy in <i>Drosophila</i> . <i>Methods in Molecular Biology</i> , 2019, 1880, 589-600.	0.9	11
81	Ion Channels and Pumps in Autophagy: A Reciprocal Relationship. <i>Cells</i> , 2021, 10, 3537.	4.1	10
82	Visible light induces matrix metalloproteinase-9 expression in rat eye. <i>Journal of Neurochemistry</i> , 2007, 103, 2224-2233.	3.9	9
83	iFly: The eye of the fruit fly as a model to study autophagy and related trafficking pathways. <i>Experimental Eye Research</i> , 2016, 144, 90-98.	2.6	8
84	Mitochondrial fission, integrity and completion of mitophagy require separable functions of Vps13D in <i>Drosophila</i> neurons. <i>PLoS Genetics</i> , 2021, 17, e1009731.	3.5	8
85	Doxycycline could aggravate the absence-like epileptic seizures of WAG/Rij rats via matrix metalloproteinase inhibition. <i>Neurochemistry International</i> , 2011, 59, 563-566.	3.8	7
86	Cellular Immune Response Involving Multinucleated Giant Hemocytes with Two-Step Genome Amplification in the <i>Drosophilid</i> <i>Zaprionus indianus</i> . <i>Journal of Innate Immunity</i> , 2020, 12, 257-272.	3.8	7
87	The interplay between pathogens and Atg8 family proteins: thousand-faced interactions. <i>FEBS Open Bio</i> , 2021, 11, 3237-3252.	2.3	7
88	A genetic model with specifically impaired autophagosome-lysosome fusion. <i>Autophagy</i> , 2013, 9, 1251-1252.	9.1	6
89	Degradation of arouser by endosomal microautophagy is essential for adaptation to starvation in <i>Drosophila</i> . <i>Life Science Alliance</i> , 2021, 4, e202000965.	2.8	6
90	Loss of ubiquitinated protein autophagy is compensated by persistent cnc/NFE2L2/Nrf2 antioxidant responses. <i>Autophagy</i> , 2022, 18, 2385-2396.	9.1	6

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91	Sec20 is Required for Autophagic and Endocytic Degradation Independent of Golgi-ER Retrograde Transport. <i>Cells</i> , 2019, 8, 768.	4.1	5
92	Broad Ultrastructural and Transcriptomic Changes Underlie the Multinucleated Giant Hemocyte Mediated Innate Immune Response against Parasitoids. <i>Journal of Innate Immunity</i> , 2022, 14, 335-354.	3.8	5
93	The tumor suppressor archipelago E3 ligase is required for spermatid differentiation in <i>Drosophila</i> testis. <i>Scientific Reports</i> , 2021, 11, 8422.	3.3	4
94	Identification of New Interactions between Endolysosomal Tethering Factors. <i>Journal of Molecular Biology</i> , 2021, 433, 166965.	4.2	4
95	A POSSIBLE APPROACH TO STUDY AUTOPHAGY IN DROSOPHILA. <i>Acta Biologica Hungarica</i> , 2001, 52, 485-490.	0.7	3
96	Autophagy, Inflammation, and Metabolism (AIM) Center of Biomedical Research Excellence: supporting the next generation of autophagy researchers and fostering international collaborations. <i>Autophagy</i> , 2018, 14, 925-929.	9.1	3
97	<i>Drosophila</i> Rab39 Attenuates Lysosomal Degradation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10635.	4.1	2
98	Degradation of arouser by endosomal microautophagy is essential for adaptation to starvation in. <i>Life Science Alliance</i> , 2021, 4, .	2.8	2
99	Isolation and characterization of novel plekhm1 and def8 mutant alleles in <i>Drosophila</i> . <i>Biologia Futura</i> , 2022, 73, 149-155.	1.4	2
100	The legacy of János Kovács: a lifelong devotion to advancing autophagy research. <i>Autophagy</i> , 2022, 18, 2017-2019.	9.1	1
101	Autophagy researchers. <i>Autophagy</i> , 2013, 9, 815-818.	9.1	0
102	A role of autophagy in spinocerebellar ataxia—Rare exception or general principle?. <i>Autophagy</i> , 2016, 12, 1208-1209.	9.1	0
103	Painting a picture of autophagy in <i>Drosophila</i> . <i>Autophagy</i> , 2019, 15, 1859-1859.	9.1	0
104	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. <i>Autophagy</i> , 2019, 15, 1829-1833.	9.1	0
105	Selective autophagy and Golgi quality control in <i>Drosophila</i> . <i>Autophagy</i> , 0, , 1-2.	9.1	0