

Zvulun Elazar

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

23,233
citations

44042

48
h-index

39638

94
g-index

94
all docs

94
docs citations

94
times ranked

33075
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.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	Mechanism and medical implications of mammalian autophagy. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 349-364.	16.1	1,933
4	Reactive oxygen species are essential for autophagy and specifically regulate the activity of Atg4. <i>EMBO Journal</i> , 2007, 26, 1749-1760.	3.5	1,848
5	Regulation of autophagy by ROS: physiology and pathology. <i>Trends in Biochemical Sciences</i> , 2011, 36, 30-38.	3.7	1,076
6	A Role for NBR1 in Autophagosomal Degradation of Ubiquitinated Substrates. <i>Molecular Cell</i> , 2009, 33, 505-516.	4.5	974
7	ROS, mitochondria and the regulation of autophagy. <i>Trends in Cell Biology</i> , 2007, 17, 422-427.	3.6	865
8	LC3 and GATE-16/GABARAP subfamilies are both essential yet act differently in autophagosome biogenesis. <i>EMBO Journal</i> , 2010, 29, 1792-1802.	3.5	631
9	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021, 40, e108863.	3.5	615
10	Atg8: an autophagy-related ubiquitin-like protein family. <i>Genome Biology</i> , 2011, 12, 226.	13.9	434
11	Does bafilomycin A ₁ block the fusion of autophagosomes with lysosomes?. <i>Autophagy</i> , 2008, 4, 849-850.	4.3	422
12	Biogenesis and Cargo Selectivity of Autophagosomes. <i>Annual Review of Biochemistry</i> , 2011, 80, 125-156.	5.0	407
13	Mechanisms of Autophagosome Biogenesis. <i>Current Biology</i> , 2012, 22, R29-R34.	1.8	400
14	Stepwise assembly of functionally active transport vesicles. <i>Cell</i> , 1993, 75, 1015-1025.	13.5	296
15	LC3 and GATE-16 Termini Mediate Membrane Fusion Processes Required for Autophagosome Biogenesis. <i>Developmental Cell</i> , 2011, 20, 444-454.	3.1	283
16	Altered Autophagy in Human Adipose Tissues in Obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, E268-E277.	1.8	275
17	A comprehensive glossary of autophagy-related molecules and processes (2 nd edition). <i>Autophagy</i> , 2011, 7, 1273-1294.	4.3	255
18	Microtubules Support Production of Starvation-induced Autophagosomes but Not Their Targeting and Fusion with Lysosomes. <i>Journal of Biological Chemistry</i> , 2006, 281, 36303-36316.	1.6	253

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19	The Atg8 family: multifunctional ubiquitin-like key regulators of autophagy. <i>Essays in Biochemistry</i> , 2013, 55, 51-64.	2.1	215
20	p53-dependent regulation of autophagy protein LC3 supports cancer cell survival under prolonged starvation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18511-18516.	3.3	212
21	Lipid droplets and their component triglycerides and steryl esters regulate autophagosome biogenesis. <i>EMBO Journal</i> , 2015, 34, 2117-2131.	3.5	175
22	Endocytosis and Autophagy: Exploitation or Cooperation?. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a018358-a018358.	2.3	174
23	Oxidation as a Post-Translational Modification that Regulates Autophagy. <i>Autophagy</i> , 2007, 3, 371-373.	4.3	163
24	The autophagy-associated Atg8 gene family operates both under favourable growth conditions and under starvation stresses in Arabidopsis plants. <i>Journal of Experimental Botany</i> , 2005, 56, 2839-2849.	2.4	162
25	Getting ready for building: signaling and autophagosome biogenesis. <i>EMBO Reports</i> , 2014, 15, 839-852.	2.0	158
26	The N-terminus and Phe52 residue of LC3 recruit p62/SQSTM1 into autophagosomes. <i>Journal of Cell Science</i> , 2008, 121, 2685-2695.	1.2	156
27	Utilizing flow cytometry to monitor autophagy in living mammalian cells. <i>Autophagy</i> , 2008, 4, 621-628.	4.3	147
28	Mutation in TECPR2 Reveals a Role for Autophagy in Hereditary Spastic Paraparesis. <i>American Journal of Human Genetics</i> , 2012, 91, 1065-1072.	2.6	147
29	A comprehensive glossary of autophagy-related molecules and processes. <i>Autophagy</i> , 2010, 6, 438-448.	4.3	144
30	Structure of GATE-16, Membrane Transport Modulator and Mammalian Ortholog of Autophagocytosis Factor Aut7p. <i>Journal of Biological Chemistry</i> , 2000, 275, 25445-25450.	1.6	136
31	Paternal Mitochondrial Destruction after Fertilization Is Mediated by a Common Endocytic and Autophagic Pathway in Drosophila. <i>Developmental Cell</i> , 2014, 29, 305-320.	3.1	132
32	TBK1 Mediates Crosstalk Between the Innate Immune Response and Autophagy. <i>Science Signaling</i> , 2011, 4, pe39.	1.6	131
33	A 56-kDa Selenium-binding Protein Participates in Intra-Golgi Protein Transport. <i>Journal of Biological Chemistry</i> , 2000, 275, 14457-14465.	1.6	117
34	TECPR2 Cooperates with LC3C to Regulate COPII-Dependent ER Export. <i>Molecular Cell</i> , 2015, 60, 89-104.	4.5	111
35	Foot-and-Mouth Disease Virus Induces Autophagosomes during Cell Entry via a Class III Phosphatidylinositol 3-Kinase-Independent Pathway. <i>Journal of Virology</i> , 2012, 86, 12940-12953.	1.5	93
36	Erg30, a Vap-33-Related Protein, Functions in Protein Transport Mediated by Copi Vesicles. <i>Journal of Cell Biology</i> , 1999, 146, 301-312.	2.3	91

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37	SQSTM1/p62-mediated autophagy compensates for loss of proteasome polyubiquitin recruiting capacity. <i>Autophagy</i> , 2017, 13, 1697-1708.	4.3	87
38	Lipophagy: Selective Catabolism Designed for Lipids. <i>Developmental Cell</i> , 2009, 16, 628-630.	3.1	84
39	Sequential SNARE disassembly and GATE-16 ^Δ GOS-28 complex assembly mediated by distinct NSF activities drives Golgi membrane fusion. <i>Journal of Cell Biology</i> , 2002, 157, 1161-1173.	2.3	83
40	GABARAP is not essential for GABA _A receptor targeting to the synapse. <i>European Journal of Neuroscience</i> , 2005, 22, 2644-2648.	1.2	78
41	Regulation of Intra-Golgi Membrane Transport by Calcium. <i>Journal of Biological Chemistry</i> , 2000, 275, 29233-29237.	1.6	77
42	Differential Glycosylation and Intracellular Trafficking for the Long and Short Isoforms of the D2 Dopamine Receptor. <i>Journal of Biological Chemistry</i> , 1995, 270, 29819-29824.	1.6	75
43	Regulation of PRKN-independent mitophagy. <i>Autophagy</i> , 2022, 18, 24-39.	4.3	74
44	Isolation and Characterization of a Novel Low Molecular Weight Protein Involved in Intra-Golgi Traffic. <i>Journal of Biological Chemistry</i> , 1998, 273, 3105-3109.	1.6	69
45	The COOH Terminus of GATE-16, an Intra-Golgi Transport Modulator, Is Cleaved by the Human Cysteine Protease HsApg4A. <i>Journal of Biological Chemistry</i> , 2003, 278, 14053-14058.	1.6	69
46	Aut7p, a Soluble Autophagic Factor, Participates in Multiple Membrane Trafficking Processes. <i>Journal of Biological Chemistry</i> , 2000, 275, 32966-32973.	1.6	62
47	Fatty acid synthase is preferentially degraded by autophagy upon nitrogen starvation in yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1434-1439.	3.3	59
48	Dissecting the involvement of LC3B and GATE-16 in p62 recruitment into autophagosomes. <i>Autophagy</i> , 2011, 7, 683-688.	4.3	53
49	Two newly identified sites in the ubiquitin ^Δ like protein Atg8 are essential for autophagy. <i>EMBO Reports</i> , 2006, 7, 635-642.	2.0	49
50	Autophagy-independent incorporation of GFP-LC3 into protein aggregates is dependent on its interaction with p62/SQSTM1. <i>Autophagy</i> , 2008, 4, 1054-1056.	4.3	46
51	Intra-Golgi Protein Transport Depends on a Cholesterol Balance in the Lipid Membrane. <i>Journal of Biological Chemistry</i> , 2003, 278, 53112-53122.	1.6	43
52	Ubiquitin-like proteins and autophagy at a glance. <i>Journal of Cell Science</i> , 2012, 125, 2343-2348.	1.2	43
53	Intracellular Retention and Degradation of the Epidermal Growth Factor Receptor, Two Distinct Processes Mediated by Benzoquinone Ansamycins. <i>Journal of Biological Chemistry</i> , 2000, 275, 21850-21855.	1.6	41
54	Complex Relations Between Phospholipids, Autophagy, and Neutral Lipids. <i>Trends in Biochemical Sciences</i> , 2016, 41, 907-923.	3.7	41

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55	SNARE priming is essential for maturation of autophagosomes but not for their formation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12749-12754.	3.3	39
56	The Prodomain of a Secreted Hydrophobic Mini-protein Facilitates Its Export from the Endoplasmic Reticulum by Hitchhiking on Sorting Receptors. Journal of Biological Chemistry, 2003, 278, 26311-26314.	1.6	33
57	Shedding Light on Mammalian Microautophagy. Developmental Cell, 2011, 20, 1-2.	3.1	31
58	Identification of Essential Residues for the C-Terminal Cleavage of the Mammalian LC3: A Lesson from Yeast Atg8. Autophagy, 2007, 3, 48-50.	4.3	27
59	Phosphorylation by Cyclic AMP-Dependent Protein Kinase Modulates Agonist Binding to the D2Dopamine Receptor. Journal of Neurochemistry, 1991, 56, 75-80.	2.1	26
60	Chapter 9 Flow Cytometric Analysis of Autophagy in Living Mammalian Cells. Methods in Enzymology, 2009, 452, 131-141.	0.4	26
61	Purification of the D-2 dopamine receptor from bovine striatum. Biochemical and Biophysical Research Communications, 1988, 156, 602-609.	1.0	25
62	PLEKHM1: A Multiprotein Adaptor for the Endolysosomal System. Molecular Cell, 2015, 57, 1-3.	4.5	25
63	Transport between and Golgi Cisternae Requires the Function of the Ras-related Protein Rab6. Journal of Biological Chemistry, 1996, 271, 16097-16103.	1.6	24
64	Applications of flow cytometry for measurement of autophagy. Methods, 2015, 75, 87-95.	1.9	24
65	Involvement of LMA1 and GATE-16 family members in intracellular membrane dynamics. Biochimica Et Biophysica Acta - Molecular Cell Research, 2003, 1641, 145-156.	1.9	23
66	Anti-idiotypes against a monoclonal anti-haloperidol antibody bind to dopamine receptor. Life Sciences, 1988, 42, 1987-1993.	2.0	22
67	Chapter 8 Monitoring Starvation-induced Reactive Oxygen Species Formation. Methods in Enzymology, 2009, 452, 119-130.	0.4	20
68	Inheriting Maternal mtDNA. Science, 2011, 334, 1069-1070.	6.0	20
69	TECPR2. Autophagy, 2013, 9, 801-802.	4.3	20
70	Lysosomal targeting of autophagosomes by the TECPR domain of TECPR2. Autophagy, 2021, 17, 3096-3108.	4.3	20
71	Huntingtin facilitates selective autophagy. Nature Cell Biology, 2015, 17, 214-215.	4.6	18
72	Lipid droplets regulate autophagosome biogenesis. Autophagy, 2015, 11, 2130-2131.	4.3	18

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73	A tecpr2 knockout mouse exhibits age-dependent neuroaxonal dystrophy associated with autophagosome accumulation. <i>Autophagy</i> , 2021, 17, 3082-3095.	4.3	18
74	Modulation of N-Ethylmaleimide-sensitive Factor Activity upon Amino Acid Deprivation. <i>Journal of Biological Chemistry</i> , 2005, 280, 16219-16226.	1.6	16
75	A New Autophagy-related Checkpoint in the Degradation of an ERAD-M Target. <i>Journal of Biological Chemistry</i> , 2011, 286, 11479-11491.	1.6	16
76	A TRIM16-Galectin3 Complex Mediates Autophagy of Damaged Endomembranes. <i>Developmental Cell</i> , 2016, 39, 1-2.	3.1	16
77	Geldanamycin-associated Inhibition of Intracellular Trafficking Is Attributed to a Co-purified Activity. <i>Journal of Biological Chemistry</i> , 2004, 279, 6847-6852.	1.6	14
78	A model-driven methodology for exploring complex disease comorbidities applied to autism spectrum disorder and inflammatory bowel disease. <i>Journal of Biomedical Informatics</i> , 2016, 63, 366-378.	2.5	14
79	Autophagy differentially regulates TNF receptor Fn14 by distinct mammalian Atg8 proteins. <i>Nature Communications</i> , 2018, 9, 3744.	5.8	14
80	Essential Role for the Mammalian ATG8 Isoform LC3C in Xenophagy. <i>Molecular Cell</i> , 2012, 48, 325-326.	4.5	13
81	Mammalian Atg8s: One is simply not enough. <i>Autophagy</i> , 2010, 6, 808-809.	4.3	12
82	Autophagic Factors Cut to the Bone. <i>Developmental Cell</i> , 2011, 21, 808-810.	3.1	10
83	Genetic defects of autophagy linked to disease. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 172, 293-323.	0.9	10
84	Regulation of mitochondrial cargo-selective autophagy by posttranslational modifications. <i>Journal of Biological Chemistry</i> , 2021, 297, 101339.	1.6	10
85	Cross-talk between mutant p53 and p62/SQSTM1 augments cancer cell migration by promoting the degradation of cell adhesion proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119644119.	3.3	8
86	8-Nitro-cGMPâ€™A New Player in Antibacterial Autophagy. <i>Molecular Cell</i> , 2013, 52, 767-768.	4.5	5
87	ATG9 raises the BAR for PI4P in autophagy. <i>Journal of Cell Biology</i> , 2019, 218, 1432-1433.	2.3	5
88	Autophagy mediates nonselective <sc>RNA</sc> degradation in starving yeast. <i>EMBO Journal</i> , 2015, 34, 131-133.	3.5	4
89	Continuous treatment with FTS confers resistance to apoptosis and affects autophagy. <i>PLoS ONE</i> , 2017, 12, e0171351.	1.1	4
90	Driving next-generation autophagy researchers towards translation (DRIVE), an international PhD training program on autophagy. <i>Autophagy</i> , 2019, 15, 347-351.	4.3	4

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91	Selective autophagy bears bone. EMBO Journal, 2020, 39, e105965.	3.5	4
92	<i>De Novo</i> Phospholipid Synthesis Promotes Efficient Autophagy. Biochemistry, 2020, 59, 1011-1012.	1.2	4
93	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.	4.3	3
94	Atg1 kinase activity links PAS dissolution to balanced Atg8 conjugation. Trends in Cell Biology, 2022, 32, 179-181.	3.6	1