

# Historical landmarks of autophagy research

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Ubiquitylation of Autophagy Receptor Optineurin by HACE1 Activates Selective Autophagy for Tumor Suppression. <i>Cancer Cell</i> , 2014, 26, 106-120.	16.8	198
2	Autophagy: Close Contact Keeps Out the Uninvited. <i>Current Biology</i> , 2014, 24, R560-R562.	3.9	7
3	WIPI 1 <sup>2</sup> -propellers at the crossroads of autophagosome and lipid droplet dynamics. <i>Biochemical Society Transactions</i> , 2014, 42, 1414-1417.	3.4	8
4	The Role of Transglutaminase Type 2 in the Regulation of Autophagy. , 2015, , 171-191.		0
5	Carbon ions induce autophagy effectively through stimulating the unfolded protein response and subsequent inhibiting Akt phosphorylation in tumor cells. <i>Scientific Reports</i> , 2015, 5, 13815.	3.3	30
6	Morphine potentiates LPS-induced autophagy initiation but inhibits autophagosomal maturation through distinct TLR4-dependent and independent pathways. <i>Acta Physiologica</i> , 2015, 214, 189-199.	3.8	29
7	Endoplasmic reticulum stress in kidney function and disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2015, 24, 345-350.	2.0	109
8	Autophagy as a Therapeutic Target in Gastrointestinal Cancer. , 2015, , .		0
9	Advances and New Concepts in Alcohol-Induced Organelle Stress, Unfolded Protein Responses and Organ Damage. <i>Biomolecules</i> , 2015, 5, 1099-1121.	4.0	44
10	Neuroprotective Strategies after Neonatal Hypoxic Ischemic Encephalopathy. <i>International Journal of Molecular Sciences</i> , 2015, 16, 22368-22401.	4.1	135
11	A Role for Macro-ER-Phagy in ER Quality Control. <i>PLoS Genetics</i> , 2015, 11, e1005390.	3.5	68
12	Ongoing controversies surrounding cardiac remodeling: is it black and white or rather fifty shades of gray?. <i>Frontiers in Physiology</i> , 2015, 6, 202.	2.8	9
13	Autophagy and Liver Ischemia-Reperfusion Injury. <i>BioMed Research International</i> , 2015, 2015, 1-16.	1.9	105
14	Assessing the progression of autophagy pathways in different organisms and tissues. <i>Methods</i> , 2015, 75, 1-2.	3.8	0
15	Essential role for autophagy in life span extension. <i>Journal of Clinical Investigation</i> , 2015, 125, 85-93.	8.2	369
16	Autophagy and Lipid Droplets in the Liver. <i>Annual Review of Nutrition</i> , 2015, 35, 215-237.	10.1	239
17	Systems biology-based discovery of a potential Atg4B agonist (Flubendazole) that induces autophagy in breast cancer. <i>Molecular BioSystems</i> , 2015, 11, 2860-2866.	2.9	48
18	Transglutaminases. , 2015, , .		10

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19	WIPI proteins: essential PtdIns3P effectors at the nascent autophagosome. <i>Journal of Cell Science</i> , 2015, 128, 207-17.	2.0	214
20	Organelle autoregulation–stress responses in the ER, Golgi, mitochondria and lysosome. <i>Journal of Biochemistry</i> , 2015, 157, 185-195.	1.7	92
21	Fluorescence-based imaging of autophagy progression by human WIPI protein detection. <i>Methods</i> , 2015, 75, 69-78.	3.8	17
22	Isolation of autophagosome subpopulations after induction of autophagy by calcium. <i>Biochemistry and Cell Biology</i> , 2015, 93, 180-184.	2.0	3
23	Autophagy in neuropathology. <i>Acta Neuropathologica</i> , 2015, 129, 333-335.	7.7	1
24	Autophagic activity in neuronal cell death. <i>Neuroscience Bulletin</i> , 2015, 31, 382-394.	2.9	70
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26	ATG16L1: A multifunctional susceptibility factor in Crohn disease. <i>Autophagy</i> , 2015, 11, 585-594.	9.1	100
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32	Autophagy and autophagy-related proteins in the immune system. <i>Nature Immunology</i> , 2015, 16, 1014-1024.	14.5	465
33	Disruption of microtubules in plants suppresses macroautophagy and triggers starch excess-associated chloroplast autophagy. <i>Autophagy</i> , 2015, 11, 2259-2274.	9.1	48
34	Posttranslational modification of autophagy-related proteins in macroautophagy. <i>Autophagy</i> , 2015, 11, 28-45.	9.1	264
35	Bulk rRNA degradation by nitrogen starvation-induced autophagy in yeast. <i>EMBO Journal</i> , 2015, 34, 154-168.	7.8	114
36	Regulation of autophagy by amino acids and MTOR-dependent signal transduction. <i>Amino Acids</i> , 2015, 47, 2037-2063.	2.7	133

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39	Cargo Proteins Facilitate the Formation of Transport Vesicles, but not Autophagosomes. , 2016, , 143-154.		0
40	Making sense of the cause of Crohnâ€™s â€™ a new look at an old disease. F1000Research, 2016, 5, 2510.	1.6	13
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43	Advances in Autophagy Regulatory Mechanisms. Cells, 2016, 5, 24.	4.1	105
44	Autophagy-Associated Protein SmATG12 Is Required for Fruiting-Body Formation in the Filamentous Ascomycete <i>Sordaria macrospora</i> . PLoS ONE, 2016, 11, e0157960.	2.5	10
45	Characterization of an Autophagy-Related Gene <i>MdATG8i</i> from Apple. Frontiers in Plant Science, 2016, 7, 720.	3.6	38
46	The Intrinsically Disordered Protein <i>Atg13</i> Mediates Supramolecular Assembly of Autophagy Initiation Complexes. Developmental Cell, 2016, 38, 86-99.	7.0	161
47	Autophagy proteins in antigen processing for presentation on <sc>MHC</sc> molecules. Immunological Reviews, 2016, 272, 17-27.	6.0	90
48	Mechanistic insights into selective autophagy pathways: lessons from yeast. Nature Reviews Molecular Cell Biology, 2016, 17, 537-552.	37.0	323
49	Advances in Zika Virus Research: Stem Cell Models, Challenges, and Opportunities. Cell Stem Cell, 2016, 19, 690-702.	11.1	103
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51	Safety concerns and hidden agenda behind HPV vaccines: another generation of drugâ€™dependent society?. Clinical and Translational Medicine, 2016, 5, 46.	4.0	12
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54	Phosphorylation of OPTN by TBK1 enhances its binding to Ub chains and promotes selective autophagy of damaged mitochondria. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4039-4044.	7.1	554
55	To deliver or to degrade â€™ an interplay of the ubiquitinâ€™proteasome system, autophagy and vesicular transport in plants. FEBS Journal, 2016, 283, 3534-3555.	4.7	48
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58	The crucial impact of lysosomes in aging and longevity. <i>Ageing Research Reviews</i> , 2016, 32, 2-12.	10.9	200
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60	Autophagy Networks in Inflammation. , 2016, , .		3
61	Phosphatidylethanolamine Metabolism in Health and Disease. <i>International Review of Cell and Molecular Biology</i> , 2016, 321, 29-88.	3.2	269
62	Continuous administration of the mTORC1 inhibitor everolimus induces tolerance and decreases autophagy in mice. <i>British Journal of Pharmacology</i> , 2016, 173, 3359-3371.	5.4	23
63	Target Autophagy as a Novel Therapeutic Strategy in Autoimmune Diseases. , 2016, , 267-295.		0
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67	Regulation of inflammasomes by autophagy. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 28-36.	2.9	143
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71	Nutrient-regulated Phosphorylation of ATG13 Inhibits Starvation-induced Autophagy. <i>Journal of Biological Chemistry</i> , 2016, 291, 6026-6035.	3.4	172
72	Autophagy, lipophagy and lysosomal lipid storage disorders. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 269-284.	2.4	189
73	Autophagy in Neurodegenerative Diseases and Metal Neurotoxicity. <i>Neurochemical Research</i> , 2016, 41, 409-422.	3.3	90
74	Mammalian Autophagy: How Does It Work?. <i>Annual Review of Biochemistry</i> , 2016, 85, 685-713.	11.1	578

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75	Potential role of autophagy in smokeless tobacco extract-induced cytotoxicity and in morin-induced protection in oral epithelial cells. <i>Food and Chemical Toxicology</i> , 2016, 90, 160-170.	3.6	8
76	The miR-27a-calreticulin axis affects drug-induced immunogenic cell death in human colorectal cancer cells. <i>Cell Death and Disease</i> , 2016, 7, e2108-e2108.	6.3	58
77	Beyond starvation: An update on the autophagic machinery and its functions. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 95, 2-10.	1.9	42
78	Autophagy inhibitors. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 985-1001.	5.4	231
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80	Autophagy in response to environmental stresses: New monitoring perspectives. <i>Ecological Indicators</i> , 2016, 60, 453-459.	6.3	11
81	The maternal control in the embryonic development of zebrafish. <i>General and Comparative Endocrinology</i> , 2017, 245, 55-68.	1.8	30
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83	Molecular Mechanisms of Noncanonical Autophagy. <i>International Review of Cell and Molecular Biology</i> , 2017, 328, 1-23.	3.2	32
85	Staphylococcal lipoteichoic acid promotes osteogenic differentiation of mouse mesenchymal stem cells by increasing autophagic activity. <i>Biochemical and Biophysical Research Communications</i> , 2017, 485, 421-426.	2.1	18
86	Unexpected Functional Consequences of the Loss of the Autophagy-Related Conjugation System. <i>Circulation Research</i> , 2017, 120, 610-612.	4.5	5
87	Sertraline exerts its antitumor functions through both apoptosis and autophagy pathways in acute myeloid leukemia cells. <i>Leukemia and Lymphoma</i> , 2017, 58, 2208-2217.	1.3	26
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89	Neferine reduces cisplatin-induced nephrotoxicity by enhancing autophagy via the AMPK/mTOR signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2017, 484, 694-701.	2.1	32
90	Preface. <i>Methods in Enzymology</i> , 2017, 587, xxiii-xxix.	1.0	2
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95	Autophagy is activated to protect against podocyte injury in adriamycin-induced nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F74-F84.	2.7	66
96	The two <i>Dictyostelium discoideum</i> autophagy 8 proteins have distinct autophagic functions. <i>European Journal of Cell Biology</i> , 2017, 96, 312-324.	3.6	21
97	Preface. <i>Methods in Enzymology</i> , 2017, 588, xxv-xxxi.	1.0	0
98	Insights into links between autophagy and the ubiquitin system from the structure of LC3B bound to the LIR motif from the E3 ligase NEDD4. <i>Protein Science</i> , 2017, 26, 1674-1680.	7.6	18
99	ULK1 prevents cardiac dysfunction in obesity through autophagy-mediated regulation of lipid metabolism. <i>Cardiovascular Research</i> , 2017, 113, 1137-1147.	3.8	44
100	Nutrition and Liver Health. <i>Digestive Diseases</i> , 2017, 35, 411-417.	1.9	10
101	The emergence of noncoding RNAs as Heracles in autophagy. <i>Autophagy</i> , 2017, 13, 1004-1024.	9.1	85
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109	Limited and digestive proteolysis: crosstalk between evolutionary conserved pathways. <i>New Phytologist</i> , 2017, 215, 958-964.	7.3	27
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111	Intercellular cannibalism fuels tumor growth. <i>Cell Death and Differentiation</i> , 2017, 24, 759-760.	11.2	4

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113	Conceptualizing Eukaryotic Metabolic Sensing and Signaling. <i>Journal of the Indian Institute of Science</i> , 2017, 97, 59-77.	1.9	5
114	Autophagy inhibits C2-ceramide-mediated cell death by decreasing the reactive oxygen species levels in SH-SY5Y cells. <i>Neuroscience Letters</i> , 2017, 651, 198-206.	2.1	12
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120	Chloroquine exacerbates serum withdrawal-induced G <sub>1</sub> phase arrest via an autophagy-independent mechanism. <i>RSC Advances</i> , 2017, 7, 46082-46091.	3.6	2
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122	Differentiation of serum markers of homeostasis in highly qualified athletes engaged in various sports. <i>Human Physiology</i> , 2017, 43, 430-436.	0.4	1
123	Protein turnover in the failing heart: an ever-changing landscape. <i>European Journal of Heart Failure</i> , 2017, 19, 1218-1221.	7.1	2
124	Rab11a is required for porcine reproductive and respiratory syndrome virus induced autophagy to promote viral replication. <i>Biochemical and Biophysical Research Communications</i> , 2017, 492, 236-242.	2.1	17
125	Progressing neurobiological strategies against proteostasis failure: Challenges in neurodegeneration. <i>Progress in Neurobiology</i> , 2017, 159, 1-38.	5.7	27
126	Decreased NeuroAxonal Proteins in CSF at First Attack of Suspected Multiple Sclerosis. <i>Proteomics - Clinical Applications</i> , 2017, 11, 1700005.	1.6	10
127	Lipidation of BmAtg8 is required for autophagic degradation of p62 bodies containing ubiquitinated proteins in the silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017, 89, 86-96.	2.7	5
128	A reversible phospho-switch mediated by ULK1 regulates the activity of autophagy protease ATG4B. <i>Nature Communications</i> , 2017, 8, 294.	12.8	119
129	Pathologic Changes and Autophagy: New Insights for the Pathogenesis of Animal Diseases. <i>Veterinary Pathology</i> , 2017, 54, 881-884.	1.7	3

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131	Direct binding to GABARAP family members is essential for HIV-1 Nef plasma membrane localization. <i>Scientific Reports</i> , 2017, 7, 5979.	3.3	11
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133	BAG3-mediated proteostasis at a glance. <i>Journal of Cell Science</i> , 2017, 130, 2781-2788.	2.0	67
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137	Autophagy: Nobel Prize in Physiology or Medicine™ 16 to the Intra-Cellular Suicidal Process. <i>The National Academy of Sciences, India</i> , 2017, 40, 461-465.	1.3	1
138	The Ubiquitin System, Autophagy, and Regulated Protein Degradation. <i>Annual Review of Biochemistry</i> , 2017, 86, 123-128.	11.1	279
139	Augmenting autophagy for prognosis based intervention of COPD-pathophysiology. <i>Respiratory Research</i> , 2017, 18, 83.	3.6	27
140	Mammalian Mitochondria and Aging: An Update. <i>Cell Metabolism</i> , 2017, 25, 57-71.	16.2	463
141	Protein Kinase C $\gamma$ Suppresses Autophagy to Induce Kidney Cell Apoptosis in Cisplatin Nephrotoxicity. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 1131-1144.	6.1	67
142	Immune Surveillance in Health and Diseases of Aging: Definitions of Acute and Chronic Inflammation [Yin and Yang]. , 2017, , 37-89.		3
143	Cancer Biology: Severe Cumulative Delayed Type Hypersensitivity Reactions. , 2017, , 261-375.		1
144	Metal Biology Associated with Huntington's Disease. , 2017, , 231-263.		1
145	Autophagy regulated by miRNAs in colorectal cancer progression and resistance. <i>Cancer Translational Medicine</i> , 2017, 3, 96.	0.2	15
146	Autophagy. <i>Journal of the Japanese Society for Food Science and Technology</i> , 2017, 64, 389-389.	0.1	0
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149	Regulation of selective autophagy: the p62/SQSTM1 paradigm. <i>Essays in Biochemistry</i> , 2017, 61, 609-624.	4.7	490
150	Autophagy in the placenta. <i>Obstetrics and Gynecology Science</i> , 2017, 60, 241.	1.6	40
151	The Mitochondrial Basis of Aging and Age-Related Disorders. <i>Genes</i> , 2017, 8, 398.	2.4	228
152	Autophagy Dysregulation in ALS: When Protein Aggregates Get Out of Hand. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 263.	2.9	123
153	Autophagy-Regulating microRNAs and Cancer. <i>Frontiers in Oncology</i> , 2017, 7, 65.	2.8	144
154	Pathobiology and Therapeutic Implications of Tumor Acidosis. <i>Current Medicinal Chemistry</i> , 2017, 24, 2827-2845.	2.4	10
155	Targeting Autophagy in ALK-Associated Cancers. <i>Cancers</i> , 2017, 9, 161.	3.7	15
156	To be or not to be cell autonomous? Autophagy says both. <i>Essays in Biochemistry</i> , 2017, 61, 649-661.	4.7	10
157	Therapeutic implication of autophagy in neurodegenerative diseases. <i>BMB Reports</i> , 2017, 50, 345-354.	2.4	71
158	A Rab5 GTPase module is important for autophagosome closure. <i>PLoS Genetics</i> , 2017, 13, e1007020.	3.5	51
159	Hydrogen inhibits isoproterenol-induced autophagy in cardiomyocytes in vitro and in vivo. <i>Molecular Medicine Reports</i> , 2017, 16, 8253-8258.	2.4	26
160	Roles of Rab-GAPs in Regulating Autophagy. , 2017, , 143-157.		2
161	Autophagy-related approaches for improving nutrient use efficiency and crop yield protection. <i>Journal of Experimental Botany</i> , 2018, 69, 1335-1353.	4.8	97
162	Antitumor activities of Quercetin and Green Tea in xenografts of human leukemia HL60 cells. <i>Scientific Reports</i> , 2018, 8, 3459.	3.3	74
163	Histone deacetylase inhibitors protect against cisplatin-induced acute kidney injury by activating autophagy in proximal tubular cells. <i>Cell Death and Disease</i> , 2018, 9, 322.	6.3	67
164	Cysteine Metabolism in Neuronal Redox Homeostasis. <i>Trends in Pharmacological Sciences</i> , 2018, 39, 513-524.	8.7	198
165	General Introduction and Nanoscale View of the Cell. , 2018, , 1-42.		0

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166	Biochemical bases of growth variation during development: A study of protein turnover in pedigreed families of bivalve larvae ( <i>Crassostrea gigas</i> ). <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	19
167	Naringin Attenuates Cerebral Ischemia-Reperfusion Injury Through Inhibiting Peroxynitrite-Mediated Mitophagy Activation. <i>Molecular Neurobiology</i> , 2018, 55, 9029-9042.	4.0	71
168	Importance of the subcellular location of protein deposits in neurodegenerative diseases. <i>Current Opinion in Neurobiology</i> , 2018, 51, 127-133.	4.2	15
169	Autophagy during ageing “ from Dr Jekyll to Mr Hyde. <i>FEBS Journal</i> , 2018, 285, 2367-2376.	4.7	21
170	Recent insights into the cellular and molecular determinants of aging. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	21
171	Activity and expression of <i>Candida glabrata</i> vacuolar proteases in autophagy-like conditions. <i>FEMS Yeast Research</i> , 2018, 18, .	2.3	3
172	Fruiting-Body Development in Ascomycetes. , 2018, , 1-56.		18
173	Loss of photosynthesis signals a metabolic reprogramming to sustain sugar homeostasis during senescence of green leaves: Role of cell wall hydrolases. <i>Photosynthetica</i> , 2018, 56, 404-410.	1.7	10
174	Collagen VI disorders: Insights on form and function in the extracellular matrix and beyond. <i>Matrix Biology</i> , 2018, 71-72, 348-367.	3.6	120
175	Autophagy limits activation of the inflammasomes. <i>Immunological Reviews</i> , 2018, 281, 62-73.	6.0	129
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