

# Beth Levine

## List of Publications by Citations

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**Version:** 2024-04-25

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163  
papers

78,365  
citations

96  
h-index

173  
g-index

173  
ext. papers

87,869  
ext. citations

20.1  
avg. IF

8.45  
L-index

#	Paper	IF	Citations
163	Autophagy in the pathogenesis of disease. <i>Cell</i> , <b>2008</b> , 132, 27-42	56.2	5280
162	Autophagy fights disease through cellular self-digestion. <i>Nature</i> , <b>2008</b> , 451, 1069-75	50.4	4910
161	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
160	Methods in mammalian autophagy research. <i>Cell</i> , <b>2010</b> , 140, 313-26	56.2	3387
159	Development by self-digestion: molecular mechanisms and biological functions of autophagy. <i>Developmental Cell</i> , <b>2004</b> , 6, 463-77	10.2	3089
158	Bcl-2 antiapoptotic proteins inhibit Beclin 1-dependent autophagy. <i>Cell</i> , <b>2005</b> , 122, 927-39	56.2	2852
157	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544.2	56.2	2783
156	Induction of autophagy and inhibition of tumorigenesis by beclin 1. <i>Nature</i> , <b>1999</b> , 402, 672-6	50.4	2674
155	Autophagy and the integrated stress response. <i>Molecular Cell</i> , <b>2010</b> , 40, 280-93	17.6	2474
154	Autophagy in immunity and inflammation. <i>Nature</i> , <b>2011</b> , 469, 323-35	50.4	2408
153	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , <b>2018</b> , 25, 486-541	12.7	2160
152	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. <i>Autophagy</i> , <b>2008</b> , 4, 151-75	10.2	1920
151	Autophagy in human health and disease. <i>New England Journal of Medicine</i> , <b>2013</b> , 368, 651-62	59.2	1736
150	Promotion of tumorigenesis by heterozygous disruption of the beclin 1 autophagy gene. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 112, 1809-20	15.9	1683
149	Autophagy in cell death: an innocent convict?. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 2679-88	15.9	1318
148	Distinct roles of autophagy in the heart during ischemia and reperfusion: roles of AMP-activated protein kinase and Beclin 1 in mediating autophagy. <i>Circulation Research</i> , <b>2007</b> , 100, 914-22	15.7	1200
147	Autophagic cell death: the story of a misnomer. <i>Nature Reviews Molecular Cell Biology</i> , <b>2008</b> , 9, 1004-10	48.7	1127

146	Autophagy in mammalian development and differentiation. <i>Nature Cell Biology</i> , <b>2010</b> , 12, 823-30	23.4	1105
145	Autophagy modulation as a potential therapeutic target for diverse diseases. <i>Nature Reviews Drug Discovery</i> , <b>2012</b> , 11, 709-30	64.1	1075
144	Autophagy genes are essential for dauer development and life-span extension in <i>C. elegans</i> . <i>Science</i> , <b>2003</b> , 301, 1387-91	33.3	1029
143	JNK1-mediated phosphorylation of Bcl-2 regulates starvation-induced autophagy. <i>Molecular Cell</i> , <b>2008</b> , 30, 678-88	17.6	1025
142	Biological Functions of Autophagy Genes: A Disease Perspective. <i>Cell</i> , <b>2019</b> , 176, 11-42	56.2	896
141	Protection against fatal Sindbis virus encephalitis by beclin, a novel Bcl-2-interacting protein. <i>Journal of Virology</i> , <b>1998</b> , 72, 8586-96	6.6	871
140	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , <b>2017</b> , 36, 1811-1836	13	857
139	Exercise-induced BCL2-regulated autophagy is required for muscle glucose homeostasis. <i>Nature</i> , <b>2012</b> , 481, 511-5	50.4	814
138	Autophagy in malignant transformation and cancer progression. <i>EMBO Journal</i> , <b>2015</b> , 34, 856-80	13	801
137	The autophagy-related protein beclin 1 shows reduced expression in early Alzheimer disease and regulates amyloid beta accumulation in mice. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 2190-9	15.9	770
136	Unveiling the roles of autophagy in innate and adaptive immunity. <i>Nature Reviews Immunology</i> , <b>2007</b> , 7, 767-77	36.5	715
135	Autophagy, immunity, and microbial adaptations. <i>Cell Host and Microbe</i> , <b>2009</b> , 5, 527-49	23.4	694
134	Eating oneself and uninvited guests: autophagy-related pathways in cellular defense. <i>Cell</i> , <b>2005</b> , 120, 159-62	56.2	670
133	Bcl-2 family members: Dual regulators of apoptosis and autophagy. <i>Autophagy</i> , <b>2008</b> , 4, 600-606	10.2	656
132	Autophagy regulates programmed cell death during the plant innate immune response. <i>Cell</i> , <b>2005</b> , 121, 567-577	56.2	648
131	HSV-1 ICP34.5 confers neurovirulence by targeting the Beclin 1 autophagy protein. <i>Cell Host and Microbe</i> , <b>2007</b> , 1, 23-35	23.4	638
130	Cloning and genomic organization of beclin 1, a candidate tumor suppressor gene on chromosome 17q21. <i>Genomics</i> , <b>1999</b> , 59, 59-65	4.3	626
129	Regulation of starvation- and virus-induced autophagy by the eIF2alpha kinase signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 190-5	11.5	619

128	Metabolic control of autophagy. <i>Cell</i> , <b>2014</b> , 159, 1263-76	56.2	591
127	Cardiac autophagy is a maladaptive response to hemodynamic stress. <i>Journal of Clinical Investigation</i> , <b>2007</b> , 117, 1782-93	15.9	582
126	Autophagy in human health and disease. <i>New England Journal of Medicine</i> , <b>2013</b> , 368, 1845-6	59.2	545
125	Identification of a candidate therapeutic autophagy-inducing peptide. <i>Nature</i> , <b>2013</b> , 494, 201-6	50.4	541
124	Autophagy gene-dependent clearance of apoptotic cells during embryonic development. <i>Cell</i> , <b>2007</b> , 128, 931-46	56.2	536
123	The Beclin 1 interactome. <i>Current Opinion in Cell Biology</i> , <b>2010</b> , 22, 140-9	9	515
122	Akt-mediated regulation of autophagy and tumorigenesis through Beclin 1 phosphorylation. <i>Science</i> , <b>2012</b> , 338, 956-9	33.3	514
121	To be or not to be? How selective autophagy and cell death govern cell fate. <i>Cell</i> , <b>2014</b> , 157, 65-75	56.2	496
120	Pharmacological modulation of autophagy: therapeutic potential and persisting obstacles. <i>Nature Reviews Drug Discovery</i> , <b>2017</b> , 16, 487-511	64.1	460
119	Bax-independent inhibition of apoptosis by Bcl-XL. <i>Nature</i> , <b>1996</b> , 379, 554-6	50.4	454
118	The role of autophagy in mammalian development: cell makeover rather than cell death. <i>Developmental Cell</i> , <b>2008</b> , 15, 344-357	10.2	423
117	Autophagy protects against Sindbis virus infection of the central nervous system. <i>Cell Host and Microbe</i> , <b>2010</b> , 7, 115-27	23.4	388
116	EGFR-mediated Beclin 1 phosphorylation in autophagy suppression, tumor progression, and tumor chemoresistance. <i>Cell</i> , <b>2013</b> , 154, 1269-84	56.2	379
115	Prohibitin 2 Is an Inner Mitochondrial Membrane Mitophagy Receptor. <i>Cell</i> , <b>2017</b> , 168, 224-238.e10	56.2	376
114	Autosis is a Na <sup>+</sup> ,K <sup>+</sup> -ATPase-regulated form of cell death triggered by autophagy-inducing peptides, starvation, and hypoxia-ischemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 20364-71	11.5	376
113	Image-based genome-wide siRNA screen identifies selective autophagy factors. <i>Nature</i> , <b>2011</b> , 480, 113-7	50.4	366
112	Autophagy genes in immunity. <i>Nature Immunology</i> , <b>2009</b> , 10, 461-70	19.1	354
111	The evolutionarily conserved domain of Beclin 1 is required for Vps34 binding, autophagy and tumor suppressor function. <i>Autophagy</i> , <b>2005</b> , 1, 46-52	10.2	343

110	Dual role of JNK1-mediated phosphorylation of Bcl-2 in autophagy and apoptosis regulation. <i>Autophagy</i> , <b>2008</b> , 4, 949-51	10.2	309
109	PKR-dependent autophagic degradation of herpes simplex virus type 1. <i>Autophagy</i> , <b>2006</b> , 2, 24-9	10.2	299
108	Disruption of the beclin 1-BCL2 autophagy regulatory complex promotes longevity in mice. <i>Nature</i> , <b>2018</b> , 558, 136-140	50.4	287
107	Caloric Restriction Mimetics Enhance Anticancer Immunosurveillance. <i>Cancer Cell</i> , <b>2016</b> , 30, 147-160	24.3	285
106	Autophagy is required for dietary restriction-mediated life span extension in <i>C. elegans</i> . <i>Autophagy</i> , <b>2007</b> , 3, 597-9	10.2	266
105	Cyclic GMP-AMP Synthase Is an Innate Immune DNA Sensor for <i>Mycobacterium tuberculosis</i> . <i>Cell Host and Microbe</i> , <b>2015</b> , 17, 820-8	23.4	259
104	Autophagy balances inflammation in innate immunity. <i>Autophagy</i> , <b>2018</b> , 14, 243-251	10.2	242
103	Bcl-2 inhibition of autophagy: a new route to cancer?. <i>Cancer Research</i> , <b>2006</b> , 66, 2885-8	10.1	240
102	Promoting the clearance of neurotoxic proteins in neurodegenerative disorders of ageing. <i>Nature Reviews Drug Discovery</i> , <b>2018</b> , 17, 660-688	64.1	232
101	Drp1-Dependent Mitochondrial Autophagy Plays a Protective Role Against Pressure Overload-Induced Mitochondrial Dysfunction and Heart Failure. <i>Circulation</i> , <b>2016</b> , 133, 1249-63	16.7	229
100	Development of autophagy inducers in clinical medicine. <i>Journal of Clinical Investigation</i> , <b>2015</b> , 125, 14-24	5.9	223
99	TRIM proteins regulate autophagy and can target autophagic substrates by direct recognition. <i>Developmental Cell</i> , <b>2014</b> , 30, 394-409	10.2	217
98	Role of JNK1-dependent Bcl-2 phosphorylation in ceramide-induced macroautophagy. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 2719-2728	5.4	213
97	Bcl-2 family members: dual regulators of apoptosis and autophagy. <i>Autophagy</i> , <b>2008</b> , 4, 600-6	10.2	213
96	Intestinal epithelial autophagy is essential for host defense against invasive bacteria. <i>Cell Host and Microbe</i> , <b>2013</b> , 13, 723-34	23.4	210
95	Autophagy in Human Diseases. <i>New England Journal of Medicine</i> , <b>2020</b> , 383, 1564-1576	59.2	206
94	A comprehensive glossary of autophagy-related molecules and processes (2nd edition). <i>Autophagy</i> , <b>2011</b> , 7, 1273-94	10.2	205
93	Viruses and autophagy. <i>Reviews in Medical Virology</i> , <b>2009</b> , 19, 359-78	11.7	199

92	Autophagy genes protect against Salmonella typhimurium infection and mediate insulin signaling-regulated pathogen resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 14564-9	11.5	197
91	Autophagy is an adaptive response in desmin-related cardiomyopathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 9745-50	11.5	185
90	Autophagy and the cell biology of age-related disease. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 1338-1348	23.4	177
89	Mitochondrial BCL-2 inhibits AMBRA1-induced autophagy. <i>EMBO Journal</i> , <b>2011</b> , 30, 1195-208	13	171
88	Exercise induces autophagy in peripheral tissues and in the brain. <i>Autophagy</i> , <b>2012</b> , 8, 1548-51	10.2	163
87	Autophagy and viruses: adversaries or allies?. <i>Journal of Innate Immunity</i> , <b>2013</b> , 5, 480-93	6.9	158
86	Beclin-1-Dependent Autophagy Protects the Heart During Sepsis. <i>Circulation</i> , <b>2018</b> , 138, 2247-2262	16.7	156
85	Fanconi Anemia Proteins Function in Mitophagy and Immunity. <i>Cell</i> , <b>2016</b> , 165, 867-81	56.2	153
84	Molecular basis of the regulation of Beclin 1-dependent autophagy by the gamma-herpesvirus 68 Bcl-2 homolog M11. <i>Autophagy</i> , <b>2008</b> , 4, 989-97	10.2	138
83	Analysis of the role of autophagy in replication of herpes simplex virus in cell culture. <i>Journal of Virology</i> , <b>2007</b> , 81, 12128-34	6.6	127
82	Autophagy in cellular growth control. <i>FEBS Letters</i> , <b>2010</b> , 584, 1417-26	3.8	124
81	A comprehensive glossary of autophagy-related molecules and processes. <i>Autophagy</i> , <b>2010</b> , 6, 438-48	10.2	123
80	The stress-responsive kinases MAPKAPK2/MAPKAPK3 activate starvation-induced autophagy through Beclin 1 phosphorylation. <i>ELife</i> , <b>2015</b> , 4,	8.9	118
79	Beclin orthologs: integrative hubs of cell signaling, membrane trafficking, and physiology. <i>Trends in Cell Biology</i> , <b>2015</b> , 25, 533-44	18.3	116
78	Autophagy genes protect against disease caused by polyglutamine expansion proteins in <i>Caenorhabditis elegans</i> . <i>Autophagy</i> , <b>2007</b> , 3, 21-5	10.2	116
77	GABARAPs regulate PI4P-dependent autophagosome:lysosome fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 7015-20	11.5	115
76	Beclin 2 functions in autophagy, degradation of G protein-coupled receptors, and metabolism. <i>Cell</i> , <b>2013</b> , 154, 1085-1099	56.2	115
75	The Ubiquitin Ligase Smurf1 Functions in Selective Autophagy of Mycobacterium tuberculosis and Anti-tuberculous Host Defense. <i>Cell Host and Microbe</i> , <b>2017</b> , 21, 59-72	23.4	106

74	The role of antibody in recovery from alphavirus encephalitis. <i>Immunological Reviews</i> , <b>1997</b> , 159, 155-61	11.3	105
73	Sindbis virus induces apoptosis through a caspase-dependent, CrmA-sensitive pathway. <i>Journal of Virology</i> , <b>1998</b> , 72, 452-9	6.6	105
72	Autophagy and innate immunity: triggering, targeting and tuning. <i>Seminars in Cell and Developmental Biology</i> , <b>2010</b> , 21, 699-711	7.5	98
71	Autophagy is essential for cardiac morphogenesis during vertebrate development. <i>Autophagy</i> , <b>2014</b> , 10, 572-87	10.2	97
70	Relb Mitigates Progression of AKI to CKD through Activation of Autophagy. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2016</b> , 27, 2331-45	12.7	96
69	Autophagy wins the 2016 Nobel Prize in Physiology or Medicine: Breakthroughs in baker's yeast fuel advances in biomedical research. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 201-205	11.5	95
68	A Noncanonical Autophagy Pathway Restricts <i>Toxoplasma gondii</i> Growth in a Strain-Specific Manner in IFN- $\gamma$ -Activated Human Cells. <i>MBio</i> , <b>2015</b> , 6, e01157-15	7.8	95
67	Diversity-Oriented Stapling Yields Intrinsically Cell-Penetrant Inducers of Autophagy. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 7792-7802	16.4	92
66	Autophagy, antiviral immunity, and viral countermeasures. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2009</b> , 1793, 1478-84	4.9	92
65	Identification of genes involved in the host response to neurovirulent alphavirus infection. <i>Journal of Virology</i> , <b>2001</b> , 75, 10431-45	6.6	87
64	Pathogenic role of BECN1/Beclin 1 in the development of amyotrophic lateral sclerosis. <i>Autophagy</i> , <b>2014</b> , 10, 1256-71	10.2	84
63	Identification of secreted proteins that reflect autophagy dynamics within tumor cells. <i>Autophagy</i> , <b>2015</b> , 11, 60-74	10.2	81
62	Autophagy and cancer metabolism. <i>Methods in Enzymology</i> , <b>2014</b> , 542, 25-57	1.7	80
61	A Becn1 mutation mediates hyperactive autophagic sequestration of amyloid oligomers and improved cognition in Alzheimer's disease. <i>PLoS Genetics</i> , <b>2017</b> , 13, e1006962	6	76
60	Cell Penetration Profiling Using the Chloroalkane Penetration Assay. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11360-11369	16.4	75
59	Decreased mRNA Expression in Human Breast Cancer is Associated with Estrogen Receptor-Negative Subtypes and Poor Prognosis. <i>EBioMedicine</i> , <b>2015</b> , 2, 255-263	8.8	74
58	Viral evasion of autophagy. <i>Autophagy</i> , <b>2008</b> , 4, 280-5	10.2	71
57	Autophagy and viral neurovirulence. <i>Cellular Microbiology</i> , <b>2008</b> , 10, 1747-56	3.9	69

56	Autophagy in <i>C. elegans</i> . <i>WormBook</i> , <b>2009</b> , 1-26		69
55	Increased autophagy blocks HER2-mediated breast tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 4176-4181	11.5	68
54	Ceramide-induced autophagy: to junk or to protect cells?. <i>Autophagy</i> , <b>2009</b> , 5, 558-60	10.2	67
53	Unraveling the role of autophagy in cancer. <i>Autophagy</i> , <b>2006</b> , 2, 65-6	10.2	67
52	BAX and BAK1 are dispensable for ABT-737-induced dissociation of the BCL2-BECN1 complex and autophagy. <i>Autophagy</i> , <b>2015</b> , 11, 452-9	10.2	66
51	Loss of Paneth Cell Autophagy Causes Acute Susceptibility to <i>Toxoplasma gondii</i> -Mediated Inflammation. <i>Cell Host and Microbe</i> , <b>2018</b> , 23, 177-190.e4	23.4	63
50	An increase in LRRK2 suppresses autophagy and enhances Dectin-1-induced immunity in a mouse model of colitis. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	59
49	mTORC1 hyperactivation arrests bone growth in lysosomal storage disorders by suppressing autophagy. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 3717-3729	15.9	58
48	Selective autophagy and viruses. <i>Autophagy</i> , <b>2011</b> , 7, 260-5	10.2	55
47	The CD40-autophagy pathway is needed for host protection despite IFN- $\beta$ -dependent immunity and CD40 induces autophagy via control of P21 levels. <i>PLoS ONE</i> , <b>2010</b> , 5, e14472	3.7	52
46	Autophagy Genes Enhance Murine Gammaherpesvirus 68 Reactivation from Latency by Preventing Virus-Induced Systemic Inflammation. <i>Cell Host and Microbe</i> , <b>2016</b> , 19, 91-101	23.4	47
45	Autophagy is required for G1/G0 quiescence in response to nitrogen starvation in <i>Saccharomyces cerevisiae</i> . <i>Autophagy</i> , <b>2014</b> , 10, 1702-11	10.2	46
44	High-Throughput Screens To Identify Autophagy Inducers That Function by Disrupting Beclin 1/Bcl-2 Binding. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 2247-2260	4.9	41
43	Microfold Cells Actively Translocate Mycobacterium tuberculosis to Initiate Infection. <i>Cell Reports</i> , <b>2016</b> , 16, 1253-1258	10.6	39
42	Autophagy genes function in apoptotic cell corpse clearance during <i>C. elegans</i> embryonic development. <i>Autophagy</i> , <b>2013</b> , 9, 138-49	10.2	38
41	Sindbis virus vector system for functional analysis of apoptosis regulators. <i>Methods in Enzymology</i> , <b>2000</b> , 322, 492-508	1.7	38
40	Targeting Herpesvirus 68 Bcl-2-mediated down-regulation of autophagy. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 8029-40	5.4	35
39	Emerging functions of the Fanconi anemia pathway at a glance. <i>Journal of Cell Science</i> , <b>2017</b> , 130, 2657-2662	36.2	33



38	Peroxisomal protein PEX13 functions in selective autophagy. <i>EMBO Reports</i> , <b>2017</b> , 18, 48-60	6.5	29
37	Downregulation of autophagy is associated with severe ischemia-reperfusion-induced acute kidney injury in overexpressing C-reactive protein mice. <i>PLoS ONE</i> , <b>2017</b> , 12, e0181848	3.7	29
36	Calcipotriol induces autophagy in HeLa cells and keratinocytes. <i>Journal of Investigative Dermatology</i> , <b>2011</b> , 131, 990-3	4.3	27
35	Autophagy in Mammalian antiviral immunity. <i>Current Topics in Microbiology and Immunology</i> , <b>2009</b> , 335, 267-85	3.3	27
34	GABARAP-mediated targeting of PI4K2A/PI4KIII $\alpha$ to autophagosomes regulates PtdIns4P-dependent autophagosome-lysosome fusion. <i>Autophagy</i> , <b>2015</b> , 11, 2127-2129	10.2	25
33	TLR9 and beclin $\alpha$ crosstalk regulates muscle AMPK activation in exercise. <i>Nature</i> , <b>2020</b> , 578, 605-609	50.4	24
32	Does Autophagy Mediate Cardiac Myocyte Death During Stress?. <i>Circulation Research</i> , <b>2016</b> , 119, 893-5	15.7	22
31	Autophagy and longevity: lessons from <i>C. elegans</i> . <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 694, 47-60	3.6	21
30	Sorting nexin 5 mediates virus-induced autophagy and immunity. <i>Nature</i> , <b>2021</b> , 589, 456-461	50.4	21
29	Computational detection and suppression of sequence-specific off-target phenotypes from whole genome RNAi screens. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 8214-22	20.1	19
28	SnapShot: Macroautophagy. <i>Cell</i> , <b>2008</b> , 132, 162.e1-162.e3	56.2	19
27	HIV and CXCR4 in a kiss of autophagic death. <i>Journal of Clinical Investigation</i> , <b>2006</b> , 116, 2078-80	15.9	16
26	Interaction between the autophagy protein Beclin 1 and Na <sup>+</sup> ,K <sup>+</sup> -ATPase during starvation, exercise, and ischemia. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	14
25	Genetic inhibition of autophagy promotes p53 loss-of-heterozygosity and tumorigenesis. <i>Oncotarget</i> , <b>2016</b> , 7, 67919-67933	3.3	13
24	Endolysosomal trafficking of viral G protein-coupled receptor functions in innate immunity and control of viral oncogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 2994-9	11.5	13
23	Development. Inheriting maternal mtDNA. <i>Science</i> , <b>2011</b> , 334, 1069-70	33.3	12
22	Autophagy stimulation reduces ocular hypertension in a murine glaucoma model via autophagic degradation of mutant myocilin. <i>JCI Insight</i> , <b>2021</b> , 6,	9.9	12
21	Tumor-suppressor function of Beclin 1 in breast cancer cells requires E-cadherin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	12

20	The Autophagy-Related Beclin-1 Protein Requires the Coiled-Coil and BARA Domains To Form a Homodimer with Submicromolar Affinity. <i>Biochemistry</i> , <b>2017</b> , 56, 6639-6651	3.2	11
19	Structural insights into the interaction of the conserved mammalian proteins GAPR-1 and Beclin 1, a key autophagy protein. <i>Acta Crystallographica Section D: Structural Biology</i> , <b>2017</b> , 73, 775-792	5.5	9
18	Beclin 2 negatively regulates innate immune signaling and tumor development. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 5349-5369	15.9	9
17	The tripartite interaction of phosphate, autophagy, and Klotho in health maintenance. <i>FASEB Journal</i> , <b>2020</b> , 34, 3129-3150	0.9	9
16	Autophagy in development, tumor suppression, and innate immunity. <i>Harvey Lectures</i> , <b>2003</b> , 99, 47-76		9
15	BECN2 interacts with ATG14 through a metastable coiled-coil to mediate autophagy. <i>Protein Science</i> , <b>2017</b> , 26, 972-984	6.3	6
14	Protective Effect of SMAD-Specific E3 Ubiquitin Protein Ligase 1 in Alcoholic Steatohepatitis in Mice. <i>Hepatology Communications</i> , <b>2019</b> , 3, 1450-1458	6	5
13	GLIPR2 is a negative regulator of autophagy and the BECN1-ATG14-containing phosphatidylinositol 3-kinase complex. <i>Autophagy</i> , <b>2021</b> , 17, 2891-2904	10.2	4
12	Response by Shirakabe et al to Letter Regarding Article, "Drp1-Dependent Mitochondrial Autophagy Plays a Protective Role Against Pressure Overload-Induced Mitochondrial Dysfunction and Heart Failure". <i>Circulation</i> , <b>2016</b> , 134, e75-6	16.7	4
11	Digesting Oneself and Digesting Microbes <b>2005</b> , 245-279		4
10	An autophagy-related protein Becn2 regulates cocaine reward behaviors in the dopaminergic system. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	3
9	iScreen: Image-Based High-Content RNAi Screening Analysis Tools. <i>Journal of Biomolecular Screening</i> , <b>2015</b> , 20, 998-1002		2
8	Autophagy in Antiviral Host Defense <b>2006</b> , 227-241		2
7	Closing the loop. <i>Science</i> , <b>2016</b> , 354, 968-969	33.3	1
6	Enhanced autophagy in knockin mice counteracts aging-related neural stem cell exhaustion and dysfunction. <i>Autophagy</i> , <b>2021</b> , 1-14	10.2	1
5	Quantitative phosphoproteomic analyses identify STK11IP as a lysosome-specific substrate of mTORC1 that regulates lysosomal acidification.. <i>Nature Communications</i> , <b>2022</b> , 13, 1760	17.4	0
4	FANCL supports Parkin-mediated mitophagy in a ubiquitin ligase-independent manner. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2022</b> , 1868, 166453	6.9	0
3	Role of Autophagy in DNA Virus Infections in VIVO <b>2014</b> , 33-48		

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- 1 BECN Homologs And ATG14 Form A Metastable Coiled-Coil To Mediate Autophagy. *FASEB Journal*, **2017**, 31, 760.24 0.9