

# Isei Tanida

## List of Publications by Year in descending order

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65  
papers

27,117  
citations

70961

41  
h-index

110170

64  
g-index

66  
all docs

66  
docs citations

66  
times ranked

35577  
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	Loss of autophagy in the central nervous system causes neurodegeneration in mice. <i>Nature</i> , 2006, 441, 880-884.	13.7	3,209
3	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
4	Impairment of starvation-induced and constitutive autophagy in Atg7-deficient mice. <i>Journal of Cell Biology</i> , 2005, 169, 425-434.	2.3	2,180
5	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. <i>Autophagy</i> , 2008, 4, 151-175.	4.3	2,064
6	A ubiquitin-like system mediates protein lipidation. <i>Nature</i> , 2000, 408, 488-492.	13.7	1,790
7	LC3 and Autophagy. <i>Methods in Molecular Biology</i> , 2008, 445, 77-88.	0.4	1,311
8	LC3 conjugation system in mammalian autophagy. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 2503-2518.	1.2	1,223
9	Lysosomal Turnover, but Not a Cellular Level, of Endogenous LC3 is a Marker for Autophagy. <i>Autophagy</i> , 2005, 1, 84-91.	4.3	1,022
10	Role for Rab7 in maturation of late autophagic vacuoles. <i>Journal of Cell Science</i> , 2004, 117, 4837-4848.	1.2	781
11	Autophagosome Formation and Molecular Mechanism of Autophagy. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 2201-2214.	2.5	401
12	Caffeine induces apoptosis by enhancement of autophagy via PI3K/Akt/mTOR/p70S6K inhibition. <i>Autophagy</i> , 2011, 7, 176-187.	4.3	385
13	Apg7p/Cvt2p: A Novel Protein-activating Enzyme Essential for Autophagy. <i>Molecular Biology of the Cell</i> , 1999, 10, 1367-1379.	0.9	363
14	Participation of Autophagy in Storage of Lysosomes in Neurons from Mouse Models of Neuronal Ceroid-Lipofuscinoses (Batten Disease). <i>American Journal of Pathology</i> , 2005, 167, 1713-1728.	1.9	305
15	A novel protein-conjugating system for Ufm1, a ubiquitin-fold modifier. <i>EMBO Journal</i> , 2004, 23, 1977-1986.	3.5	300
16	HsAtg4B/HsApg4B/Autophagin-1 Cleaves the Carboxyl Termini of Three Human Atg8 Homologues and Delipidates Microtubule-associated Protein Light Chain 3- and GABAA Receptor-associated Protein-Phospholipid Conjugates. <i>Journal of Biological Chemistry</i> , 2004, 279, 36268-36276.	1.6	297
17	The Human Homolog of <i>Saccharomyces cerevisiae</i> Apg7p Is a Protein-activating Enzyme for Multiple Substrates Including Human Apg12p, GATE-16, GABARAP, and MAP-LC3. <i>Journal of Biological Chemistry</i> , 2001, 276, 1701-1706.	1.6	294
18	Human Apg3p/Aut1p Homologue Is an Authentic E2 Enzyme for Multiple Substrates, GATE-16, GABARAP, and MAP-LC3, and Facilitates the Conjugation of hApg12p to hApg5p. <i>Journal of Biological Chemistry</i> , 2002, 277, 13739-13744.	1.6	237

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19	Liver autophagy contributes to the maintenance of blood glucose and amino acid levels. <i>Autophagy</i> , 2011, 7, 727-736.	4.3	233
20	Human Light Chain 3/MAP1LC3B Is Cleaved at Its Carboxyl-terminal Met121 to Expose Gly120 for Lipidation and Targeting to Autophagosomal Membranes. <i>Journal of Biological Chemistry</i> , 2004, 279, 47704-47710.	1.6	213
21	Excess Peroxisomes Are Degraded by Autophagic Machinery in Mammals. <i>Journal of Biological Chemistry</i> , 2006, 281, 4035-4041.	1.6	206
22	Autophagy basics. <i>Microbiology and Immunology</i> , 2011, 55, 1-11.	0.7	206
23	MAP1LC3, a promising autophagosomal marker, is processed during the differentiation and recovery of podocytes from PAN nephrosis. <i>FASEB Journal</i> , 2003, 17, 1165-1167.	0.2	180
24	Phosphatidylserine in Addition to Phosphatidylethanolamine Is an in Vitro Target of the Mammalian Atg8 Modifiers, LC3, GABARAP, and GATE-16. <i>Journal of Biological Chemistry</i> , 2006, 281, 3017-3024.	1.6	178
25	Calpain is required for macroautophagy in mammalian cells. <i>Journal of Cell Biology</i> , 2006, 175, 595-605.	2.3	159
26	Knockdown of autophagy-related gene decreases the production of infectious Hepatitis C virus particles. <i>Autophagy</i> , 2009, 5, 937-945.	4.3	159
27	Measurement of Autophagy in Cells and Tissues. <i>Methods in Molecular Biology</i> , 2010, 648, 193-214.	0.4	130
28	Hepatic steatosis inhibits autophagic proteolysis via impairment of autophagosomal acidification and cathepsin expression. <i>Biochemical and Biophysical Research Communications</i> , 2011, 412, 618-625.	1.0	109
29	GATE-16 and GABARAP are authentic modifiers mediated by Apg7 and Apg3. <i>Biochemical and Biophysical Research Communications</i> , 2003, 300, 637-644.	1.0	96
30	Consideration about negative controls for LC3 and expression vectors for four colored fluorescent protein-LC3 negative controls. <i>Autophagy</i> , 2008, 4, 131-134.	4.3	94
31	Solution Structure of Microtubule-associated Protein Light Chain 3 and Identification of Its Functional Subdomains. <i>Journal of Biological Chemistry</i> , 2005, 280, 24610-24617.	1.6	93
32	The C-terminal Region of an Apg7p/Cvt2p Is Required for Homodimerization and Is Essential for Its E1 Activity and E1-E2 Complex Formation. <i>Journal of Biological Chemistry</i> , 2001, 276, 9846-9854.	1.6	84
33	<i>Atg9a</i> deficiency causes axon-specific lesions including neuronal circuit dysgenesis. <i>Autophagy</i> , 2018, 14, 764-777.	4.3	82
34	Loss of Pten, a tumor suppressor, causes the strong inhibition of autophagy without affecting LC3 lipidation. <i>Autophagy</i> , 2008, 4, 692-700.	4.3	80
35	The Crystal Structure of Human Atg4b, a Processing and De-conjugating Enzyme for Autophagosome-forming Modifiers. <i>Journal of Molecular Biology</i> , 2006, 355, 612-618.	2.0	79
36	Phospholipase C-Related Inactive Protein Is Involved in Trafficking of $\beta 2$ Subunit-Containing GABAA Receptors to the Cell Surface. <i>Journal of Neuroscience</i> , 2007, 27, 1692-1701.	1.7	78

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37	Autophagic Compartments Gain Access to the MHC Class II Compartments in Thymic Epithelium. <i>Journal of Immunology</i> , 2009, 183, 7278-7285.	0.4	75
38	The Mouse Apg10 Homologue, an E2-like Enzyme for Apg12p Conjugation, Facilitates MAP-LC3 Modification. <i>Journal of Biological Chemistry</i> , 2003, 278, 39517-39526.	1.6	70
39	A Super-Ecliptic, pHluorin-mKate2, Tandem Fluorescent Protein-Tagged Human LC3 for the Monitoring of Mammalian Autophagy. <i>PLoS ONE</i> , 2014, 9, e110600.	1.1	56
40	Atg8L/Apg8L is the fourth mammalian modifier of mammalian Atg8 conjugation mediated by human Atg4B, Atg7 and Atg3. <i>FEBS Journal</i> , 2006, 273, 2553-2562.	2.2	54
41	The FAP motif within human ATG7, an autophagy-related E1-like enzyme, is essential for the E2-substrate reaction of LC3 lipidation. <i>Autophagy</i> , 2012, 8, 88-97.	4.3	47
42	Molecular mechanisms of <i>Streptococcus pneumoniae</i> targeted autophagy via pneumolysin, Golgi-resident Rab41, and Nedd4-mediated K63-linked ubiquitination. <i>Cellular Microbiology</i> , 2018, 20, e12846.	1.1	39
43	Mammalian Apg12p, but not the Apg12p-Apg5p conjugate, facilitates LC3 processing. <i>Biochemical and Biophysical Research Communications</i> , 2002, 296, 1164-1170.	1.0	37
44	Murine Apg12p Has a Substrate Preference for Murine Apg7p over Three Apg8p Homologs. <i>Biochemical and Biophysical Research Communications</i> , 2002, 292, 256-262.	1.0	30
45	Characterization of CAA0225, a Novel Inhibitor Specific for Cathepsin L, as a Probe for Autophagic Proteolysis. <i>Biological and Pharmaceutical Bulletin</i> , 2009, 32, 475-479.	0.6	30
46	Lysosomal Turnover of GABARAP-Phospholipid Conjugate is Activated During Differentiation of C2C12 Cells to Myotubes without Inactivation of the mTor Kinase-Signaling Pathway. <i>Autophagy</i> , 2006, 2, 264-271.	4.3	28
47	Macroautophagy is essential for killing of intracellular <i>Burkholderia pseudomallei</i> in human neutrophils. <i>Autophagy</i> , 2015, 11, 748-755.	4.3	27
48	Autophagy Deficiency in Renal Proximal Tubular Cells Leads to an Increase in Cellular Injury and Apoptosis under Normal Fed Conditions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 155.	1.8	23
49	Phospholipase C-related catalytically inactive protein (PRIP) controls KIF5B-mediated insulin secretion. <i>Biology Open</i> , 2014, 3, 463-474.	0.6	19
50	<i>Streptococcus pneumoniae</i> triggers hierarchical autophagy through reprogramming of LAPosome-like vesicles via NDP52-delocalization. <i>Communications Biology</i> , 2020, 3, 25.	2.0	17
51	Enrichment of GABARAP Relative to LC3 in the Axonal Initial Segments of Neurons. <i>PLoS ONE</i> , 2013, 8, e63568.	1.1	16
52	Lack of Cathepsin D in the Renal Proximal Tubular Cells Resulted in Increased Sensitivity against Renal Ischemia/Reperfusion Injury. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1711.	1.8	15
53	The carboxyl terminal 17 amino acids within Apg7 are essential for Apg8 lipidation, but not for Apg12 conjugation. <i>FEBS Letters</i> , 2003, 551, 71-77.	1.3	14
54	Doxorubicin-induced glomerulosclerosis with proteinuria in GFP-GABARAP transgenic mice. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, F380-F389.	1.3	13

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55	Blocking LC3 lipidation and ATG12 conjugation reactions by ATG7 mutant protein containing C572S. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 521-526.	1.0	13
56	Characterization of starvation-induced autophagy in cerebellar Purkinje cells of pFluorin-mKate2-human LC3B transgenic mice. <i>Scientific Reports</i> , 2020, 10, 9643.	1.6	9
57	Establishment of a system for screening autophagic flux regulators using a modified fluorescent reporter and CRISPR/Cas9. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 686-692.	1.0	8
58	Synthetic fibril peptide promotes clearance of scrapie prion protein by lysosomal degradation. <i>Microbiology and Immunology</i> , 2008, 52, 357-365.	0.7	7
59	Phospholipase C-Related Catalytically Inactive Protein Participates in the Autophagic Elimination of <i>Staphylococcus aureus</i> Infecting Mouse Embryonic Fibroblasts. <i>PLoS ONE</i> , 2014, 9, e98285.	1.1	7
60	In Vitro Assays of Lipidation of Mammalian Atg8 Homologs. <i>Current Protocols in Cell Biology</i> , 2014, 64, 11.20.1-13.	2.3	5
61	Membranous Structures Directly Come in Contact With p62/SQSTM1 Bodies. <i>Journal of Histochemistry and Cytochemistry</i> , 2021, 69, 407-414.	1.3	4
62	Impaired GATE16-mediated exocytosis in exocrine tissues causes Sjögren's syndrome-like exocrinopathy. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 307.	2.4	4
63	Lack of Cathepsin D in the central nervous system results in microglia and astrocyte activation and the accumulation of proteinopathy-related proteins. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
64	Letter to the Editor: <sup>1</sup> H, <sup>13</sup> C, and <sup>15</sup> N Resonance Assignments of Human Microtubule-associated Protein Light Chain-3. <i>Journal of Biomolecular NMR</i> , 2004, 29, 415-416.	1.6	2
65	GATE-16 interacting protein. <i>Juntendo J. Igaku</i> , 2004, 49, 475-486.	0.1	0