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	Impaired GATE16-mediated exocytosis in exocrine tissues causes SjÃ¶grenâ€™s syndrome-like exocrinopathy. Cellular and Molecular Life Sciences, 2022, 79, 307.	2.4	4
2	Lack of Cathepsin D in the central nervous system results in microglia and astrocyte activation and the accumulation of proteinopathy-related proteins. Scientific Reports, 2022, 12, .	1.6	3
3	Membranous Structures Directly Come in Contact With p62/SQSTM1 Bodies. Journal of Histochemistry and Cytochemistry, 2021, 69, 407-414.	1.3	4
4	Autophagy Deficiency in Renal Proximal Tubular Cells Leads to an Increase in Cellular Injury and Apoptosis under Normal Fed Conditions. International Journal of Molecular Sciences, 2020, 21, 155.	1.8	23
5	Characterization of starvation-induced autophagy in cerebellar Purkinje cells of pHluorin-mKate2-human LC3B transgenic mice. Scientific Reports, 2020, 10, 9643.	1.6	9
6	Streptococcus pneumoniae triggers hierarchical autophagy through reprogramming of LAPosome-like vesicles via NDP52-delocalization. Communications Biology, 2020, 3, 25.	2.0	17
7	Establishment of a system for screening autophagic flux regulators using a modified fluorescent reporter and CRISPR/Cas9. Biochemical and Biophysical Research Communications, 2019, 516, 686-692.	1.0	8
8	Lack of Cathepsin D in the Renal Proximal Tubular Cells Resulted in Increased Sensitivity against Renal Ischemia/Reperfusion Injury. International Journal of Molecular Sciences, 2019, 20, 1711.	1.8	15
9	Blocking LC3 lipidation and ATG12 conjugation reactions by ATG7 mutant protein containing C572S. Biochemical and Biophysical Research Communications, 2019, 508, 521-526.	1.0	13
10	Molecular mechanisms of Streptococcus pneumoniae â€targeted autophagy via pneumolysin, Golgiâ€resident Rab41, and Nedd4â€1â€mediated K63â€linked ubiquitination. Cellular Microbiology, 2018, 20, e12846.	1.1	39
11	Atg9adeficiency causes axon-specific lesions including neuronal circuit dysgenesis. Autophagy, 2018, 14, 764-777.	4.3	82
12	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
13	Macroautophagy is essential for killing of intracellularBurkholderia pseudomalleiin human neutrophils. Autophagy, 2015, 11, 748-755.	4.3	27
14	Phospholipase C-Related Catalytically Inactive Protein Participates in the Autophagic Elimination of Staphylococcus aureus Infecting Mouse Embryonic Fibroblasts. PLoS ONE, 2014, 9, e98285.	1.1	7
15	Phospholipase C-related catalytically inactive protein (PRIP) controls KIF5B-mediated insulin secretion. Biology Open, 2014, 3, 463-474.	0.6	19
16	In Vitro Assays of Lipidation of Mammalian Atg8 Homologs. Current Protocols in Cell Biology, 2014, 64, 11.20.1-13.	2.3	5
17	A Super-Ecliptic, pHluorin-mKate2, Tandem Fluorescent Protein-Tagged Human LC3 for the Monitoring of Mammalian Autophagy. PLoS ONE, 2014, 9, e110600.	1.1	56
18	Enrichment of GABARAP Relative to LC3 in the Axonal Initial Segments of Neurons. PLoS ONE, 2013, 8, e63568.	1.1	16

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19	Doxorubicin-induced glomerulosclerosis with proteinuria in GFP-GABARAP transgenic mice. American Journal of Physiology - Renal Physiology, 2012, 302, F380-F389.	1.3	13
20	The FAP motif within human ATG7, an autophagy-related E1-like enzyme, is essential for the E2-substrate reaction of LC3 lipidation. Autophagy, 2012, 8, 88-97.	4.3	47
21	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
22	Autophagosome Formation and Molecular Mechanism of Autophagy. Antioxidants and Redox Signaling, 2011, 14, 2201-2214.	2.5	401
23	Hepatic steatosis inhibits autophagic proteolysis via impairment of autophagosomal acidification and cathepsin expression. Biochemical and Biophysical Research Communications, 2011, 412, 618-625.	1.0	109
24	Autophagy basics. Microbiology and Immunology, 2011, 55, 1-11.	0.7	206
25	Liver autophagy contributes to the maintenance of blood glucose and amino acid levels. Autophagy, 2011, 7, 727-736.	4.3	233
26	Caffeine induces apoptosis by enhancement of autophagy via PI3K/Akt/mTOR/p70S6K inhibition. Autophagy, 2011, 7, 176-187.	4.3	385
27	Measurement of Autophagy in Cells and Tissues. Methods in Molecular Biology, 2010, 648, 193-214.	0.4	130
28	Autophagic Compartments Gain Access to the MHC Class II Compartments in Thymic Epithelium. Journal of Immunology, 2009, 183, 7278-7285.	0.4	75
29	Knockdown of autophagy-related gene decreases the production of infectious Hepatitis C virus particles. Autophagy, 2009, 5, 937-945.	4.3	159
30	Characterization of CAA0225, a Novel Inhibitor Specific for Cathepsin L, as a Probe for Autophagic Proteolysis. Biological and Pharmaceutical Bulletin, 2009, 32, 475-479.	0.6	30
31	LC3 and Autophagy. Methods in Molecular Biology, 2008, 445, 77-88.	0.4	1,311
32	Synthetic fibril peptide promotes clearance of scrapie prion protein by lysosomal degradation. Microbiology and Immunology, 2008, 52, 357-365.	0.7	7
33	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. Autophagy, 2008, 4, 151-175.	4.3	2,064
34	Consideration about negative controls for LC3 and expression vectors for four colored fluorescent protein-LC3 negative controls. Autophagy, 2008, 4, 131-134.	4.3	94
35	Loss of Pten, a tumor suppressor, causes the strong inhibition of autophagy without affecting LC3 lipidation. Autophagy, 2008, 4, 692-700.	4.3	80
36	Phosholipase C-Related Inactive Protein Is Involved in Trafficking of Â2 Subunit-Containing GABAA Receptors to the Cell Surface. Journal of Neuroscience, 2007, 27, 1692-1701.	1.7	78

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37	The Crystal Structure of Human Atg4b, a Processing and De-conjugating Enzyme for Autophagosome-forming Modifiers. Journal of Molecular Biology, 2006, 355, 612-618.	2.0	79
38	Atg8L/Apg8L is the fourth mammalian modifier of mammalian Atg8 conjugation mediated by human Atg4B, Atg7 and Atg3. FEBS Journal, 2006, 273, 2553-2562.	2.2	54
39	Loss of autophagy in the central nervous system causes neurodegeneration in mice. Nature, 2006, 441, 880-884.	13.7	3,209
40	Lysosomal Turnover of GABARAP-Phospholipid Conjugate is Activated During Differentiation of C2C12 Cells to Myotubes without Inactivation of the mTor Kinase-Signaling Pathway. Autophagy, 2006, 2, 264-271.	4.3	28
41	Calpain is required for macroautophagy in mammalian cells. Journal of Cell Biology, 2006, 175, 595-605.	2.3	159
42	Phosphatidylserine in Addition to Phosphatidylethanolamine Is an in Vitro Target of the Mammalian Atg8 Modifiers, LC3, GABARAP, and GATE-16. Journal of Biological Chemistry, 2006, 281, 3017-3024.	1.6	178
43	Excess Peroxisomes Are Degraded by Autophagic Machinery in Mammals. Journal of Biological Chemistry, 2006, 281, 4035-4041.	1.6	206
44	Solution Structure of Microtubule-associated Protein Light Chain 3 and Identification of Its Functional Subdomains. Journal of Biological Chemistry, 2005, 280, 24610-24617.	1.6	93
45	Impairment of starvation-induced and constitutive autophagy in Atg7-deficient mice. Journal of Cell Biology, 2005, 169, 425-434.	2.3	2,180
46	Lysosomal Turnover, but Not a Cellular Level, of Endogenous LC3 is a Marker for Autophagy. Autophagy, 2005, 1, 84-91.	4.3	1,022
47	Participation of Autophagy in Storage of Lysosomes in Neurons from Mouse Models of Neuronal Ceroid-Lipofuscinoses (Batten Disease). American Journal of Pathology, 2005, 167, 1713-1728.	1.9	305
48	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. Journal of Biological Chemistry, 2004, 279, 36268-36276.	1.6	297
49	Human Light Chain 3/MAP1LC3B Is Cleaved at Its Carboxyl-terminal Met121 to Expose Gly120 for Lipidation and Targeting to Autophagosomal Membranes. Journal of Biological Chemistry, 2004, 279, 47704-47710.	1.6	213
50	Role for Rab7 in maturation of late autophagic vacuoles. Journal of Cell Science, 2004, 117, 4837-4848.	1.2	781
51	A novel protein-conjugating system for Ufm1, a ubiquitin-fold modifier. EMBO Journal, 2004, 23, 1977-1986.	3.5	300
52	Letter to the Editor:1H,13C, and15N Resonance Assignments of Human Microtubule-associated Protein Light Chain-3. Journal of Biomolecular NMR, 2004, 29, 415-416.	1.6	2
53	LC3 conjugation system in mammalian autophagy. International Journal of Biochemistry and Cell Biology, 2004, 36, 2503-2518.	1.2	1,223
54	GATE-16 interacting protein. Juntendoì„ Igaku, 2004, 49, 475-486.	0.1	0

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55	The carboxyl terminal 17 amino acids within Apg7 are essential for Apg8 lipidation, but not for Apg12 conjugation. FEBS Letters, 2003, 551, 71-77.	1.3	14
56	GATE-16 and GABARAP are authentic modifiers mediated by Apg7 and Apg3. Biochemical and Biophysical Research Communications, 2003, 300, 637-644.	1.0	96
57	MAPâ€ŁC3, a promising autophagosomal marker, is processed during the differentiation and recovery of podocytes from PAN nephrosis. FASEB Journal, 2003, 17, 1165-1167.	0.2	180
58	The Mouse APG10 Homologue, an E2-like Enzyme for Apg12p Conjugation, Facilitates MAP-LC3 Modification. Journal of Biological Chemistry, 2003, 278, 39517-39526.	1.6	70
59	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. Journal of Biological Chemistry, 2002, 277, 13739-13744.	1.6	237
60	Murine Apg12p Has a Substrate Preference for Murine Apg7p over Three Apg8p Homologs. Biochemical and Biophysical Research Communications, 2002, 292, 256-262.	1.0	30
61	Mammalian Apg12p, but not the Apg12pÂ·Apg5p conjugate, facilitates LC3 processing. Biochemical and Biophysical Research Communications, 2002, 296, 1164-1170.	1.0	37
62	The C-terminal Region of an Apg7p/Cvt2p Is Required for Homodimerization and Is Essential for Its E1 Activity and E1-E2 Complex Formation. Journal of Biological Chemistry, 2001, 276, 9846-9854.	1.6	84
63	The Human Homolog of Saccharomyces cerevisiae Apg7p Is a Protein-activating Enzyme for Multiple Substrates Including Human Apg12p, GATE-16, GABARAP, and MAP-LC3. Journal of Biological Chemistry, 2001, 276, 1701-1706.	1.6	294
64	A ubiquitin-like system mediates protein lipidation. Nature, 2000, 408, 488-492.	13.7	1,790
65	Apg7p/Cvt2p: A Novel Protein-activating Enzyme Essential for Autophagy. Molecular Biology of the Cell, 1999, 10, 1367-1379.	0.9	363