Tomotake Kanki

List of Publications by Year
in descending order

67 papers	14,201 citations	117625 34 h-index	123424 61 g-index
70 all docs	70 docs citations	70 times ranked	25038 citing authors

#	Article	IF	Citations
1	Atg43, a novel autophagy-related protein, serves as a mitophagy receptor to bridge mitochondria with phagophores in fission yeast. Autophagy, 2021, 17, 826-827.	9.1	14
2	MITOL promotes cell survival by degrading Parkin during mitophagy. EMBO Reports, 2021, 22, e49097.	4.5	22
3	Mitophagy regulation mediated by the Far complex in yeast. Autophagy, 2021, 17, 1042-1043.	9.1	5
4	Tripartite suppression of fission yeast TORC1 signaling by the GATOR1-Sea3 complex, the TSC complex, and Gcn2 kinase. ELife, 2021, 10, .	6.0	22
5	Mitophagy reporter mouse analysis reveals increased mitophagy activity in disuseâ€induced muscle atrophy. Journal of Cellular Physiology, 2021, 236, 7612-7624.	4.1	15
6	The optineurin/TIA1 pathway inhibits aberrant stress granule formation and reduces ubiquitinated TDP-43. IScience, 2021, 24, 102733.	4.1	12
7	Membrane perturbation by lipidated Atg8 underlies autophagosome biogenesis. Nature Structural and Molecular Biology, 2021, 28, 583-593.	8.2	51
8	Fis1 ablation in the male germline disrupts mitochondrial morphology and mitophagy, and arrests spermatid maturation. Development (Cambridge), 2021, 148, .	2.5	15
9	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 422 Td	9.1	1,430
10	Mitophagy in Yeast: Molecular Mechanism and Regulation. Cells, 2021, 10, 3569.	4.1	13
11	FKBP8 LIRLâ€dependent mitochondrial fragmentation facilitates mitophagy under stress conditions. FASEB Journal, 2020, 34, 2944-2957.	0.5	38
12	Gemcitabine induces Parkin-independent mitophagy through mitochondrial-resident E3 ligase MUL1-mediated stabilization of PINK1. Scientific Reports, 2020, 10, 1465.	3.3	28
13	Atg43 tethers isolation membranes to mitochondria to promote starvation-induced mitophagy in fission yeast. ELife, 2020, 9, .	6.0	32
14	Association and dissociation between the mitochondrial Far complex and Atg32 regulate mitophagy. ELife, 2020, 9, .	6.0	14
15	Glaucoma-Associated Mutations in the Optineurin Gene Have Limited Impact on Parkin-Dependent Mitophagy. , 2019, 60, 3625.		20
16	Regulatory Mechanisms of Mitochondrial Autophagy: Lessons From Yeast. Frontiers in Plant Science, 2019, 10, 1479.	3.6	19
17	Mitophagy in Starvation. , 2019, , 2083-2101.		0
18	Cdc14 Phosphatase Promotes TORC1-Regulated Autophagy in Yeast. Journal of Molecular Biology, 2018, 430, 1671-1684.	4.2	15

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19	Molecular mechanism and physiological functions of mitophagy in yeast. Plant Morphology, 2018, 30, 31-36.	0.1	0
20	Detection of Iron Depletion- and Hypoxia-Induced Mitophagy in Mammalian Cells. Methods in Molecular Biology, 2018, 1782, 315-324.	0.9	5
21	PP2A-like protein phosphatase Ppg1: an emerging negative regulator of mitophagy in yeast. Autophagy, 2018, 14, 2171-2172.	9.1	2
22	The PP2A-like Protein Phosphatase Ppg1 and the Far Complex Cooperatively Counteract CK2-Mediated Phosphorylation of Atg32 to Inhibit Mitophagy. Cell Reports, 2018, 23, 3579-3590.	6.4	48
23	Mechanisms and Physiological Roles of Mitophagy in Yeast. Molecules and Cells, 2018, 41, 35-44.	2.6	34
24	How autophagy eats large mitochondria: Autophagosome formation coupled with mitochondrial fragmentation. Autophagy, 2017, 13, 980-981.	9.1	58
25	Detection of Hypoxia-Induced and Iron Depletion-Induced Mitophagy in Mammalian Cells. Methods in Molecular Biology, 2017, 1759, 141-149.	0.9	6
26	Mitophagy in Yeast: A Screen of Mitophagy-Deficient Mutants. Methods in Molecular Biology, 2017, 1759, 95-104.	0.9	1
27	Mitophagy in Starvation. , 2017, , 1-19.		0
28	Mitochondrial division occurs concurrently with autophagosome formation but independently of Drp1 during mitophagy. Journal of Cell Biology, 2016, 215, 649-665.	5.2	193
29	Constitutive Activation of PINK1 Protein Leads to Proteasome-mediated and Non-apoptotic Cell Death Independently of Mitochondrial Autophagy. Journal of Biological Chemistry, 2016, 291, 16162-16174.	3.4	23
30	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
31	Mitophagy in yeast: Molecular mechanisms and physiological role. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2756-2765.	4.1	77
32	Mitophagy is primarily due to alternative autophagy and requires the MAPK1 and MAPK14 signaling pathways. Autophagy, 2015, 11, 332-343.	9.1	168
33	Atg32 Confers Selective Mitochondrial Sequestration as a Cargo for Autophagy. , 2014, , 163-173.		2
34	Assays for Autophagy II: Mitochondrial Autophagy. Methods in Molecular Biology, 2014, 1163, 165-173.	0.9	3
35	The Tor and Sin3-Rpd3 complex regulate expression of the mitophagy receptor protein Atg32. Journal of Cell Science, 2014, 127, 3184-96.	2.0	40
36	Casein kinase 2 is essential for mitophagy. EMBO Reports, 2013, 14, 788-794.	4.5	128

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37	Effects of overexpression of mitochondrial transcription factor A on lifespan and oxidative stress response in Drosophila melanogaster. Biochemical and Biophysical Research Communications, 2013, 430, 717-721.	2.1	20
38	Mutation and functional analysis of <scp>ABCC</scp>2/multidrug resistance protein 2 in a <scp>J</scp>apanese patient with <scp>D</scp>ubinâ€“<scp>J</scp>ohnson syndrome. Hepatology Research, 2013, 43, 569-575.	3.4	13
39	The Physiological Role of Mitophagy: New Insights into Phosphorylation Events. International Journal of Cell Biology, 2012, 2012, 1-8.	2.5	46
40	Protein instability and functional defects caused by mutations of dihydro-orotate dehydrogenase in Miller syndrome patients. Bioscience Reports, 2012, 32, 631-639.	2.4	27
41	p32/gC1qR is indispensable for fetal development and mitochondrial translation: importance of its RNA-binding ability. Nucleic Acids Research, 2012, 40, 9717-9737.	14.5	130
42	Ribonucleoprotein Y-box-binding protein-1 regulates mitochondrial oxidative phosphorylation (OXPHOS) protein expression after serum stimulation through binding to OXPHOS mRNA. Biochemical Journal, 2012, 443, 573-584.	3.7	35
43	Localization of mRNAs encoding human mitochondrial oxidative phosphorylation proteins. Mitochondrion, 2012, 12, 391-398.	3.4	43
44	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
45	Mitophagy Plays an Essential Role in Reducing Mitochondrial Production of Reactive Oxygen Species and Mutation of Mitochondrial DNA by Maintaining Mitochondrial Quantity and Quality in Yeast. Journal of Biological Chemistry, 2012, 287, 3265-3272.	3.4	229
46	Phosphorylation of Serine 114 on Atg32 mediates mitophagy. Molecular Biology of the Cell, 2011, 22, 3206-3217.	2.1	199
47	Mitochondria Autophagy in Yeast. Antioxidants and Redox Signaling, 2011, 14, 1989-2001.	5.4	66
48	The molecular mechanism of mitochondria autophagy in yeast. Molecular Microbiology, 2010, 75, 795-800.	2.5	130
49	Nix: A receptor protein for mitophagy in mammals. Autophagy, 2010, 6, 433-435.	9.1	60
50	A genomic screen for yeast mutants defective in mitophagy. Autophagy, 2010, 6, 278-280.	9.1	49
51	Atg32 Is a tag for mitochondria degradation in yeast. Autophagy, 2009, 5, 1201-1202.	9.1	37
52	A Genomic Screen for Yeast Mutants Defective in Selective Mitochondria Autophagy. Molecular Biology of the Cell, 2009, 20, 4730-4738.	2.1	229
53	Mitochondrial abnormalities drive cell death in Wolfram syndrome 2. Cell Research, 2009, 19, 922-923.	12.0	23
54	Atg32 Is a Mitochondrial Protein that Confers Selectivity during Mitophagy. Developmental Cell, 2009, 17, 98-109.	7.0	709

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55	Monitoring mitophagy in yeast: The Om45-GFP processing assay. Autophagy, 2009, 5, 1186-1189.	9.1	81
56	Mitophagy in Yeast Occurs through a Selective Mechanism. Journal of Biological Chemistry, 2008, 283, 32386-32393.	3.4	296
57	Reverse of Age-Dependent Memory Impairment and Mitochondrial DNA Damage in Microglia by an Overexpression of Human Mitochondrial Transcription Factor A in Mice. Journal of Neuroscience, 2008, 28, 8624-8634.	3.6	153
58	The C-terminal Tail of Mitochondrial Transcription Factor A Markedly Strengthens its General Binding to DNA. Journal of Biochemistry, 2007, 141, 201-211.	1.7	62
59	Leigh Syndrome with Nephropathy and CoQ10 Deficiency Due to decaprenyl diphosphate synthase subunit 2 (PDSS2) Mutations. American Journal of Human Genetics, 2006, 79, 1125-1129.	6.2	359
60	PDIP38 Associates with Proteins Constituting the Mitochondrial DNA Nucleoid. Journal of Biochemistry, 2005, 138, 673-678.	1.7	71
61	Architectural Role of Mitochondrial Transcription Factor A in Maintenance of Human Mitochondrial DNA. Molecular and Cellular Biology, 2004, 24, 9823-9834.	2.3	267
62	Mitochondrial Nucleoid and Transcription Factor A. Annals of the New York Academy of Sciences, 2004, 1011, 61-68.	3.8	63
63	Mitochondrial Nucleoid and Transcription Factor A. , 2004, 1011, 61-68.		30
64	Human mitochondrial DNA is packaged with TFAM. Nucleic Acids Research, 2003, 31, 1640-1645.	14.5	321
65	The N-terminal Region of the Transmembrane Domain of Human Erythrocyte Band 3. Journal of Biological Chemistry, 2003, 278, 5564-5573.	3.4	24
66	The Tenth Membrane Region of Band 3 Is Initially Exposed to the Luminal Side of the Endoplasmic Reticulum and Then Integrated into a Partially Folded Band 3 Intermediate. Biochemistry, 2002, 41, 13973-13981.	2.5	42
67	Diffusion-weighted images and vasogenic edema in eclampsia1. Obstetrics and Gynecology, 1999, 93, 821-823.	2.4	10