Masahide Oku

List of Publications by Year
in descending order

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Version: 2024-02-01

46 papers	2,248 citations	304602 22 h-index	243529 44 g-index
46 all docs	46 docs citations	46 times ranked	4810 citing authors

#	Article	IF	Citations
1	Regulation of Peroxisome Homeostasis by Post-Translational Modification in the Methylotrophic Yeast Komagataella phaffii. Frontiers in Cell and Developmental Biology, 2022, 10, 887806.	1.8	4
2	The methanol sensor Wsc1 and MAPK Mpk1 suppress degradation of methanol-induced peroxisomes in methylotrophic yeast. Journal of Cell Science, 2021, 134, .	1.2	6
3	A peroxisome deficiencyâ€“induced reductive cytosol state up-regulates the brain-derived neurotrophic factor pathway. Journal of Biological Chemistry, 2020, 295, 5321-5334.	1.6	12
4	Peroxisomal Fba2p and Tal2p complementally function in the rearrangement pathway for xylulose 5-phosphate in the methylotrophic yeast Pichia pastoris. Journal of Bioscience and Bioengineering, 2019, 128, 33-38.	1.1	9
5	Evolution from covalent conjugation to non-covalent interaction in the ubiquitin-like ATG12 system. Nature Structural and Molecular Biology, 2019, 26, 289-296.	3.6	39
6	Peroxisome Degradation and Its Molecular Machinery. , 2019, , 43-58.		0
7	Three Distinct Types of Microautophagy Based on Membrane Dynamics and Molecular Machineries. BioEssays, 2018, 40, e1800008.	1.2	180
8	Ethanol represses the expression of methanol-inducible genes via acetyl-CoA synthesis in the yeast Komagataella phaffii. Scientific Reports, 2018, 8, 18051.	1.6	10
9	Experimental Systems to Study Yeast Pexophagy. Methods in Molecular Biology, 2017, 1595, 249-255.	0.4	3
10	Evidence for ESCRT- and clathrin-dependent microautophagy. Journal of Cell Biology, 2017, 216, 3263-3274.	2.3	127
11	Role of Acyl Chain Composition of Phosphatidylcholine in Tafazzin-Mediated Remodeling of Cardiolipin in Liposomes. Biochemistry, 2017, 56, 6268-6280.	1.2	17
12	Autophagy-independent function of Atg8 in lipid droplet dynamics in yeast. Journal of Biochemistry, 2016, 161, mvw078.	0.9	10
13	Mechanism for Remodeling of the Acyl Chain Composition of Cardiolipin Catalyzed by Saccharomyces cerevisiae Tafazzin. Journal of Biological Chemistry, 2016, 291, 15491-15502.	1.6	24
14	Pexophagy in yeasts. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 992-998.	1.9	48
15	A defect of the vacuolar putative lipase Atg15 accelerates degradation of lipid droplets through lipolysis. Autophagy, 2015, 11, 1247-1258.	4.3	32
16	Yeast nitrogen utilization in the phyllosphere during plant lifespan under regulation of autophagy. Scientific Reports, 2015, 5, 9719.	1.6	17
17	Regulation of nitrate and methylamine metabolism by multiple nitrogen sources in the methylotrophic yeastCandida boidinii. FEMS Yeast Research, 2015, 15, fov084.	1.1	7
18	The emerging role of autophagy in peroxisome dynamics and lipid metabolism of phyllosphere microorganisms. Frontiers in Plant Science, 2014, 5, 81.	1.7	9

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19	Atg21 regulates pexophagy via its PI(3)P-binding activity inPichia pastoris. FEMS Yeast Research, 2014, 14, 435-444.	1.1	6
20	Functional link between <scp>R</scp>ab <scp>GTP</scp>aseâ€mediated membrane trafficking and <scp>PI</scp>4,5P₂ signaling. Genes To Cells, 2014, 19, 177-197.	0.5	2
21	The Tor and Sin3-Rpd3 complex regulate expression of the mitophagy receptor protein Atg32. Journal of Cell Science, 2014, 127, 3184-96.	1.2	40
22	Mitochondrial impairment triggers cytosolic oxidative stress and cell death following proteasome inhibition. Scientific Reports, 2014, 4, 5896.	1.6	168
23	Hyper-Activation of the Target of Rapamycin (Tor) Kinase 1 Decreases Intracellular Glutathione Content inSaccharomyces cerevisiaeas Revealed by LC-MS/MS Analysis. Bioscience, Biotechnology and Biochemistry, 2013, 77, 1608-1611.	0.6	3
24	A fluorescence resonance energy transfer (FRET)â€based redox sensor reveals physiological role of thioredoxin in the yeast Saccharomyces cerevisiae. FEBS Letters, 2013, 587, 793-798.	1.3	14
25	Atg18 phosphoregulation controls organellar dynamics by modulating its phosphoinositide-binding activity. Journal of Cell Biology, 2013, 202, 685-698.	2.3	45
26	Atg18 lifts up from and lands on the vacuolar membrane mediated by phosphorylation of its propellers. Autophagy, 2013, 9, 2161-2162.	4.3	1
27	Assessment of Physiological Redox State with Novel FRET Protein Probes. Antioxidants and Redox Signaling, 2012, 16, 698-704.	2.5	15
28	Yeast Methylotrophy and Autophagy in a Methanol-Oscillating Environment on Growing Arabidopsis thaliana Leaves. PLoS ONE, 2011, 6, e25257.	1.1	51
29	Inhibition of surgical trauma-enhanced peritoneal dissemination of tumor cells by human catalase derivatives in mice. Free Radical Biology and Medicine, 2011, 51, 773-779.	1.3	6
30	Yeast Methylotrophy: Metabolism, Gene Regulation and Peroxisome Homeostasis. International Journal of Microbiology, 2011, 2011, 1-8.	0.9	113
31	Peroxisomes as dynamic organelles: autophagic degradation. FEBS Journal, 2010, 277, 3289-3294.	2.2	72
32	A Novel Fluorescent Sensor Protein for Visualization of Redox States in the Cytoplasm and in Peroxisomes. Molecular and Cellular Biology, 2010, 30, 3758-3766.	1.1	100
33	Atg8 regulates vacuolar membrane dynamics in a lipidation-independent manner in Pichia pastoris. Journal of Cell Science, 2010, 123, 4107-4116.	1.2	52
34	Atg8 regulates vacuolar membrane dynamics in a lipidation-independent manner in Pichia pastoris. Development (Cambridge), 2010, 137, e2406-e2406.	1.2	0
35	Atg26-Mediated Pexophagy Is Required for Host Invasion by the Plant Pathogenic Fungus Colletotrichum orbiculare Â Â. Plant Cell, 2009, 21, 1291-1304.	3.1	138
36	Control of hypoxia-induced tumor cell adhesion by cytophilic human catalase. Free Radical Biology and Medicine, 2009, 47, 1772-1778.	1.3	4

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37	Lagâ€phase autophagy in the methylotrophic yeast Pichia pastoris. Genes To Cells, 2009, 14, 861-870.	0.5	18
38	Chapter 15 Pexophagy in Pichia pastoris. Methods in Enzymology, 2008, 451, 217-228.	0.4	8
39	Functions of PI4P and Sterol Glucoside Necessary for the Synthesis of a Nascent Membrane Structure During Pexophagy. Autophagy, 2007, 3, 35-37.	4.3	16
40	Pexophagy: Autophagic degradation of peroxisomes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 1767-1775.	1.9	193
41	Role of Vac8 in Formation of the Vacuolar Sequestering Membrane during Micropexophagy. Autophagy, 2006, 2, 272-279.	4.3	28
42	PI4P-signaling pathway for the synthesis of a nascent membrane structure in selective autophagy. Journal of Cell Biology, 2006, 173, 709-717.	2.3	77
43	A Sorting Nexin PpAtg24 Regulates Vacuolar Membrane Dynamics during Pexophagy via Binding to Phosphatidylinositol-3-Phosphate. Molecular Biology of the Cell, 2005, 16, 446-457.	0.9	69
44	Pexophagy: The Selective Autophagy of Peroxisomes. Autophagy, 2005, 1, 75-83.	4.3	250
45	Peroxisome degradation requires catalytically active sterol glucosyltransferase with a GRAM domain. EMBO Journal, 2003, 22, 3231-3241.	3.5	96
46	Paz2 and 13 otherPAZgene products regulate vacuolar engulfment of peroxisomes during micropexophagy. Genes To Cells, 2002, 7, 75-90.	0.5	109