Akira Matsuura

List of Publications by Year
in descending order

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62 papers	8,234 citations	172457 29 h-index	133252 59 g-index
62 all docs	62 docs citations	62 times ranked	16856 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Apg1p, a novel protein kinase required for the autophagic process in Saccharomyces cerevisiae. Gene, 1997, 192, 245-250.	2.2	456
3	TLP1: A Gene Encoding a Protein Component of Mammalian Telomerase Is a Novel Member of WD Repeats Family. Cell, 1997, 88, 875-884.	28.9	367
4	Novel System for Monitoring Autophagy in the Yeast Saccharomyces cerevisiae. Biochemical and Biophysical Research Communications, 1995, 210, 126-132.	2.1	324
5	Apg10p, a novel protein-conjugating enzyme essential for autophagy in yeast. EMBO Journal, 1999, 18, 5234-5241.	7.8	266
6	Circular chromosome formation in a fission yeast mutant defective in two ATM homologues. Nature Genetics, 1998, 20, 203-206.	21.4	231
7	Analyses of APG13 gene involved in autophagy in yeast, Saccharomyces cerevisiae. Gene, 1997, 192, 207-213.	2.2	154
8	Competition between the Rad50 Complex and the Ku Heterodimer Reveals a Role for Exo1 in Processing Double-Strand Breaks but Not Telomeres. Molecular and Cellular Biology, 2003, 23, 5186-5197.	2.3	131
9	Acidification of Vacuoles Is Required for Autophagic Degradation in the Yeast, Saccharomyces cerevisiae. Journal of Biochemistry, 1997, 121, 338-344.	1.7	120
10	Structural and functional analyses of APG5 a gene involved in autophagy in yeast. Gene, 1996, 178, 139-143.	2.2	104
11	Yâ€²-Help1, a DNA Helicase Encoded by the Yeast Subtelomeric Yâ€² Element, Is Induced in Survivors Defective for Telomerase. Journal of Biological Chemistry, 1998, 273, 33360-33366.	3.4	86
12	Reciprocal Association of the Budding Yeast ATM-Related Proteins Tel1 and Mec1 with Telomeres In Vivo. Molecular Cell, 2004, 14, 515-522.	9.7	82
13	Late S Phase-Specific Recruitment of Mre11 Complex Triggers Hierarchical Assembly of Telomere Replication Proteins in Saccharomyces cerevisiae. Molecular Cell, 2005, 17, 573-583.	9.7	81
14	Ganodermasides A and B, two novel anti-aging ergosterols from spores of a medicinal mushroom Ganoderma lucidum on yeast via UTH1 gene. Bioorganic and Medicinal Chemistry, 2010, 18, 999-1002.	3.0	76
15	Forced lipophagy reveals that lipid droplets are required for early embryonic development in mouse. Development (Cambridge), 2018, 145, .	2.5	64
16	Genetic Control of Telomere Integrity in Schizosaccharomyces pombe: rad3+ and tel1+ Are Parts of Two Regulatory Networks Independent of the Downstream Protein Kinases chk1+ and cds1+. Genetics, 1999, 152, 1501-1512.	2.9	63
17	The Role of Autophagy in Genome Stability through Suppression of Abnormal Mitosis under Starvation. PLoS Genetics, 2013, 9, e1003245.	3.5	62
18	The Yeast Tor Signaling Pathway Is Involved in G2/M Transition via Polo-Kinase. PLoS ONE, 2008, 3, e2223.	2.5	60

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19	Dynamic relocation of the TORC1â€“Gtr1/2â€“Ego1/2/3 complex is regulated by Gtr1 and Gtr2. Molecular Biology of the Cell, 2016, 27, 382-396.	2.1	59
20	Characterization of the MKS1 gene, a new negative regulator of the Ras-cyclic AMP pathway in Saccharomyces cerevislae. Molecular Genetics and Genomics, 1993, 238-238, 6-16.	2.4	56
21	Tetrahydrocurcumin extends life span and inhibits the oxidative stress response by regulating the FOXO forkhead transcription factor. Aging, 2011, 3, 1098-1109.	3.1	54
22	A novel interplay between the Fanconi anemia core complex and ATR-ATRIP kinase during DNA cross-link repair. Nucleic Acids Research, 2013, 41, 6930-6941.	14.5	50
23	Ganodermasides C and D, Two New Anti-Aging Ergosterols from Spores of the Medicinal MushroomGanoderma lucidum. Bioscience, Biotechnology and Biochemistry, 2011, 75, 800-803.	1.3	45
24	A novel allele of fission yeast rad11 that causes defects in DNA repair and telomere length regulation. Nucleic Acids Research, 2003, 31, 7141-7149.	14.5	38
25	A Novel Mitochondrial Carnitine-acylcarnitine Translocase Induced by Partial Hepatectomy and Fasting. Journal of Biological Chemistry, 2003, 278, 38796-38802.	3.4	37
26	Anti-Aging Effects of Hesperidin onSaccharomyces cerevisiaeviaInhibition of Reactive Oxygen Species andUTH1Gene Expression. Bioscience, Biotechnology and Biochemistry, 2012, 76, 640-645.	1.3	37
27	Heparan sulfate is a clearance receptor for aberrant extracellular proteins. Journal of Cell Biology, 2020, 219, .	5.2	37
28	Dimerization of the ATRIP Protein through the Coiled-Coil Motif and Its Implication to the Maintenance of Stalled Replication Forks. Molecular Biology of the Cell, 2005, 16, 5551-5562.	2.1	35
29	Parishin fromGastrodia elataExtends the Lifespan of Yeast via Regulation of Sir2/Uth1/TOR Signaling Pathway. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-11.	4.0	33
30	Cucurbitacin B Exerts Antiaging Effects in Yeast by Regulating Autophagy and Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-15.	4.0	30
31	ATR-dependent phosphorylation of ATRIP in response to genotoxic stress. Biochemical and Biophysical Research Communications, 2004, 323, 1197-1202.	2.1	28
32	Availability of Amino Acids Extends Chronological Lifespan by Suppressing Hyper-Acidification of the Environment in Saccharomyces cerevisiae. PLoS ONE, 2016, 11, e0151894.	2.5	27
33	A Steroidal Saponin from Ophiopogon japonicus Extends the Lifespan of Yeast via the Pathway Involved in SOD and UTH1. International Journal of Molecular Sciences, 2013, 14, 4461-4475.	4.1	24
34	Vacuole-mediated selective regulation of TORC1-Sch9 signaling following oxidative stress. Molecular Biology of the Cell, 2018, 29, 510-522.	2.1	24
35	Loss of p27Kip1 accelerates DNA replication after partial hepatectomy in mice. Journal of Surgical Research, 2003, 111, 196-202.	1.6	23
36	Identification of a factor controlling lysosomal homeostasis using a novel lysosomal trafficking probe. Scientific Reports, 2019, 9, 11635.	3.3	23

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37	Amino-terminal domain of ATRIP contributes to intranuclear relocation of the ATR-ATRIP complex following DNA damage. FEBS Letters, 2004, 577, 289-293.	2.8	22
38	Fission yeast Rhp51 is required for the maintenance of telomere structure in the absence of the Ku heterodimer. Nucleic Acids Research, 2003, 31, 5054-5063.	14.5	19
39	Genetic interaction between the Ras-CAMP pathway and the Dis2s1/Glc7 protein phosphatase in Saccharomyces cerevisiae. Molecular Genetics and Genomics, 1994, 242, 257-262.	2.4	11
40	Dissection of ubiquitinated protein degradation by basal autophagy. FEBS Letters, 2017, 591, 1199-1211.	2.8	11
41	Gentiopicroside, a Secoiridoid Glycoside from Gentiana rigescens Franch, Extends the Lifespan of Yeast via Inducing Mitophagy and Antioxidative Stress. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-12.	4.0	11
42	TORC1, Tel1/Mec1, and Mpk1 regulate autophagy induction after DNA damage in budding yeast. Cellular Signalling, 2019, 62, 109344.	3.6	9
43	A nuclear membrane-derived structure associated with Atg8 is involved in the sequestration of selective cargo, the Cvt complex, during autophagosome formation in yeast. Autophagy, 2019, 15, 423-437.	9.1	9
44	Characterization of the cyrl-2 UGA mutation in Saccharomyces cerevisiae. Molecular Genetics and Genomics, 1993, 237, 463-466.	2.4	7
45	Cell Size Regulation during Telomere-Directed Senescence inSaccharomyces cerevisiae. Bioscience, Biotechnology and Biochemistry, 2010, 74, 195-198.	1.3	7
46	Ehretiquinone from Onosma bracteatum Wall Exhibits Antiaging Effect on Yeasts and Mammals through Antioxidative Stress and Autophagy Induction. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-15.	4.0	7
47	Schizosaccharomyces pombe stt3+ is a functional homologue ofSaccharomyces cerevisiae STT3 which regulates oligosaccharyltransferase activity. Yeast, 1999, 15, 497-505.	1.7	5
48	Use of CK-548 and CK-869 as Arp2/3 complex inhibitors directly suppresses microtubule assembly both inÂvitro and inÂvivo. Biochemical and Biophysical Research Communications, 2018, 496, 834-839.	2.1	5
49	Inokosterone from Gentiana rigescens Franch Extends the Longevity of Yeast and Mammalian Cells via Antioxidative Stress and Mitophagy Induction. Antioxidants, 2022, 11, 214.	5.1	5
50	Progressive rearrangement of telomeric sequences added to both the ITR ends of the yeast linear pGKL plasmid. Biological Procedures Online, 2003, 5, 29-42.	2.9	3
51	Early induction and increased risk of precursor B-cell neoplasms after exposure of infant or young-adult mice to ionizing radiation. Journal of Radiation Research, 2020, 61, 648-656.	1.6	3
52	Protocol for quantification of the lysosomal degradation of extracellular proteins into mammalian cells. STAR Protocols, 2021, 2, 100975.	1.2	2
53	Disruption of actin dynamics induces autophagy of the eukaryotic chaperonin TRiC/CCT. Cell Death Discovery, 2022, 8, 37.	4.7	2
54	Genomic profile of radiation-induced early-onset mouse B-cell lymphoma recapitulates features of Philadelphia chromosome-like acute lymphoblastic leukemia in humans. Carcinogenesis, 2022, 43, 693-703.	2.8	2

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55	Haploinsufficiency of the sex-determining genes at MATÎ± restricts genome expansion in Saccharomyces cerevisiae. IScience, 2022, 25, 104783.	4.1	2
56	Peroxisome biogenesis: a novel inducible PEX19 splicing variant is involved in early stages of peroxisome proliferation. Journal of Biochemistry, 2017, 161, 297-308.	1.7	1
57	A substrate localization model for the selective regulation of TORC1 downstream pathways. Communicative and Integrative Biology, 2018, 11, 1-4.	1.4	1
58	Reversible DNA damage checkpoint activation at the presenescent stage in telomeraseâ€deficient cells of Saccharomyces cerevisiae. Genes To Cells, 2019, 24, 546-558.	1.2	1
59	Labeling and measuring stressed mitochondria using a PINK1-based ratiometric fluorescent sensor. Journal of Biological Chemistry, 2021, 297, 101279.	3.4	1
60	Control of Telomeric DNA Replication: Genetics, Molecular Biology, and Physiology. , 0, , .		0
61	Phosphatase-dependent fluctuations in DNA-damage checkpoint activation at partially defective telomeres. Biochemical and Biophysical Research Communications, 2019, 516, 133-137.	2.1	0
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