Kazuhiro Shiozaki

List of Publications by Year
in descending order

49 papers	3,896 citations	257101 24 h-index	214527 47 g-index
54 all docs	54 docs citations	54 times ranked	2796 citing authors

#	Article	IF	Citations
1	DNA topoisomerase II is required for condensation and separation of mitotic chromosomes in S. pombe. Cell, 1987, 50, 917-925.	13.5	693
2	Cell-cycle control linked to extracellular environment by MAP kinase pathway in fission yeast. Nature, 1995, 378, 739-743.	13.7	463
3	Conjugation, meiosis, and the osmotic stress response are regulated by Spc1 kinase through Atf1 transcription factor in fission yeast.. Genes and Development, 1996, 10, 2276-2288.	2.7	397
4	SakA MAP kinase is involved in stress signal transduction, sexual development and spore viability in Aspergillus nidulans. Molecular Microbiology, 2002, 45, 1153-1163.	1.2	218
5	Yeast signaling pathways in the oxidative stress response. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 569, 13-27.	0.4	201
6	Pom1 DYRK Regulates Localization of the Rga4 GAP to Ensure Bipolar Activation of Cdc42 in Fission Yeast. Current Biology, 2008, 18, 322-330.	1.8	160
7	Multistep Phosphorelay Proteins Transmit Oxidative Stress Signals to the Fission Yeast Stress-activated Protein Kinase. Molecular Biology of the Cell, 2000, 11, 1169-1181.	0.9	147
8	Phosphorylation and association with the transcription factor Atf1 regulate localization of Spc1/Sty1 stress-activated kinase in fissionâ€‰yeast. Genes and Development, 1998, 12, 1464-1473.	2.7	145
9	Heat shock-induced activation of stress MAP kinase is regulated by threonine- and tyrosine-specific phosphatases. Genes and Development, 1999, 13, 1653-1663.	2.7	116
10	Heat Stress Activates Fission Yeast Spc1/StyI MAPK by a MEKK-Independent Mechanism. Molecular Biology of the Cell, 1998, 9, 1339-1349.	0.9	107
11	Wsh3/Tea4 Is a Novel Cell-End Factor Essential for Bipolar Distribution of Tea1 and Protects Cell Polarity under Environmental Stress in S. pombe. Current Biology, 2005, 15, 1006-1015.	1.8	103
12	Functional dissection of the phosphorylated termini of fission yeast DNA topoisomerase II.. Journal of Cell Biology, 1992, 119, 1023-1036.	2.3	95
13	Evolutionary Conservation of the Components in the TOR Signaling Pathways. Biomolecules, 2017, 7, 77.	1.8	93
14	Cloning and sequencing ofSchizosaccharomyces pombeDNA topoisomerase I gene, and effect of gene disruption. Nucleic Acids Research, 1987, 15, 9727-9739.	6.5	91
15	Fission yeast TOR complex 2 activates the AGC-family Gad8 kinase essential for stress resistance and cell cycle control. Cell Cycle, 2008, 7, 358-364.	1.3	75
16	Glycolytic Enzyme GAPDH Promotes Peroxide Stress Signaling through Multistep Phosphorelay to a MAPK Cascade. Molecular Cell, 2008, 30, 108-113.	4.5	72
17	Protein Phosphatase 2C Acts Independently of Stress-activated Kinase Cascade to Regulate the Stress Response in Fission Yeast. Journal of Biological Chemistry, 1997, 272, 17873-17879.	1.6	69
18	Stress-activated protein kinase pathway in cell cycle control of fission yeast. Methods in Enzymology, 1997, 283, 506-520.	0.4	62

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19	Rab-Family GTPase Regulates TOR Complex 2 Signaling in Fission Yeast. Current Biology, 2010, 20, 1975-1982.	1.8	59
20	Substrate specificity of TOR complex 2 is determined by a ubiquitin-fold domain of the Sin1 subunit. ELife, 2017, 6, .	2.8	51
21	Identification of Cdc37 as a Novel Regulator of the Stress-Responsive Mitogen-Activated Protein Kinase. Molecular and Cellular Biology, 2003, 23, 5132-5142.	1.1	50
22	Fission yeast Ryh1 GTPase activates TOR Complex 2 in response to glucose. Cell Cycle, 2015, 14, 848-856.	1.3	41
23	Cytoplasmic Localization of Wis1 MAPKK by Nuclear Export Signal Is Important for Nuclear Targeting of Spc1/Sty1 MAPK in Fission Yeast. Molecular Biology of the Cell, 2002, 13, 2651-2663.	0.9	38
24	Ragulator and GATOR1 complexes promote fission yeast growth by attenuating TOR complex 1 through Rag GTPases. ELife, 2017, 6, .	2.8	31
25	Conserved and Divergent Mechanisms That Control TORC1 in Yeasts and Mammals. Genes, 2021, 12, 88.	1.0	30
26	Reciprocal regulation of TORC signaling and tRNA modifications by Elongator enforces nutrient-dependent cell fate. Science Advances, 2019, 5, eaav0184.	4.7	27
27	Maf1â€dependent transcriptional regulation of tRNAs prevents genomic instability and is associated with extended lifespan. Aging Cell, 2020, 19, e13068.	3.0	24
28	Rad50 zinc hook functions as a constitutive dimerization module interchangeable with SMC hinge. Nature Communications, 2020, 11, 370.	5.8	24
29	Tripartite suppression of fission yeast TORC1 signaling by the GATOR1-Sea3 complex, the TSC complex, and Gcn2 kinase. ELife, 2021, 10, .	2.8	22
30	Response of Fission Yeast to Toxic Cations Involves Cooperative Action of the Stress-Activated Protein Kinase Spc1/Sty1 and the Hal4 Protein Kinase. Molecular and Cellular Biology, 2005, 25, 3945-3955.	1.1	19
31	Utilization of paramagnetic relaxation enhancements for high-resolution NMR structure determination of a soluble loop-rich protein with sparse NOE distance restraints. Journal of Biomolecular NMR, 2015, 61, 55-64.	1.6	16
32	Nutrient Signaling via the TORC1-Greatwall-PP2A ^{B55Î´} Pathway Is Responsible for the High Initial Rates of Alcoholic Fermentation in Sake Yeast Strains of Saccharomyces cerevisiae. Applied and Environmental Microbiology, 2019, 85, .	1.4	16
33	Nutrition-Minded Cell Cycle. Science Signaling, 2009, 2, pe74.	1.6	15
34	The fission yeast stress MAPK cascade regulates thepmp3+gene that encodes a highly conserved plasma membrane protein. FEBS Letters, 2006, 580, 2409-2413.	1.3	14
35	A photo-triggerable drug carrier based on cleavage of PEG lipids by photosensitiser-generated reactive singlet oxygen. Organic and Biomolecular Chemistry, 2013, 11, 2567.	1.5	14
36	Rab small GTPase emerges as a regulator of TOR complex 2. Small GTPases, 2010, 1, 180-182.	0.7	12

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37	The Rag GTPase-Ragulator complex attenuates TOR complex 1 signaling in fission yeast. Autophagy, 2018, 14, 1-2.	4.3	11
38	Modulation of TOR complex 2 signaling by the stress-activated MAPK pathway in fission yeast. Journal of Cell Science, 2019, 132, .	1.2	11
39	Phosphorelay-dependent and -independent regulation of MAPKKK by the Mcs4 response regulator in fission yeast. Communicative and Integrative Biology, 2013, 6, e25020.	0.6	9
40	Response regulatorâ€“mediated MAPKKK heteromer promotes stress signaling to the Spc1 MAPK in fission yeast. Molecular Biology of the Cell, 2013, 24, 1083-1092.	0.9	8
41	MAPping Stress Survival in Yeasts: From the Cell Surface to the Nucleus. Cell and Molecular Response To Stress, 2002, , 75-90.	0.4	7
42	Two-Component Signaling to the Stress MAP Kinase Cascade in Fission Yeast. Methods in Enzymology, 2010, 471, 279-289.	0.4	6
43	1H, 15N and 13C resonance assignments of the conserved region in the middle domain of S. pombe Sin1 protein. Biomolecular NMR Assignments, 2015, 9, 89-92.	0.4	6
44	Multiplexed suppression of TOR complex 1 induces autophagy during starvation. Autophagy, 2021, 17, 1794-1795.	4.3	4
45	Fission yeast TOR complex 1 phosphorylates Psk1 through an evolutionarily conserved interaction mediated by the TOS motif. Journal of Cell Science, 2021, 134, .	1.2	3
46	Expression, Purification and Analyses of Cell-Cycle Regulatory Proteins in S. pombe. , 1997, , 133-148.		3
47	Phosphorelay Signaling in Yeast in Response to Changes in Osmolarity. Science Signaling, 2004, 2004, tr12-tr12.	1.6	3
48	Protein Serine/Threonine-Phosphatase 2C (PP2C). , 2010, , 711-716.		1
49	Protein Serine/Threonine-Phosphatase 2C (PP2C). , 2003, , 637-640.		1