# Kazuhiro Shiozaki

List of Publications by Year
in descending order

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|---|---|---|---|
| 49<br>papers | 3,896<br>citations | 257450<br>24<br>h-index | 214800<br>47<br>g-index |
| 54<br>all docs | 54<br>docs citations | 54<br>times ranked | 2796<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Conserved and Divergent Mechanisms That Control TORC1 in Yeasts and Mammals. Genes, 2021, 12, 88. | 2.4 | 30 |
| 2 | Tripartite suppression of fission yeast TORC1 signaling by the GATOR1-Sea3 complex, the TSC complex, and Gcn2 kinase. ELife, 2021, 10, . | 6.0 | 22 |
| 3 | Multiplexed suppression of TOR complex 1 induces autophagy during starvation. Autophagy, 2021, 17, 1794-1795. | 9.1 | 4 |
| 4 | Fission yeast TOR complex 1 phosphorylates Psk1 through an evolutionarily conserved interaction mediated by the TOS motif. Journal of Cell Science, 2021, 134, . | 2.0 | 3 |
| 5 | Maf1â€dependent transcriptional regulation of tRNAs prevents genomic instability and is associated with extended lifespan. Aging Cell, 2020, 19, e13068. | 6.7 | 24 |
| 6 | Rad50 zinc hook functions as a constitutive dimerization module interchangeable with SMC hinge. Nature Communications, 2020, 11, 370. | 12.8 | 24 |
| 7 | Modulation of TOR complex 2 signaling by the stress-activated MAPK pathway in fission yeast. Journal of Cell Science, 2019, 132, . | 2.0 | 11 |
| 8 | Reciprocal regulation of TORC signaling and tRNA modifications by Elongator enforces nutrient-dependent cell fate. Science Advances, 2019, 5, eaav0184. | 10.3 | 27 |
| 9 | Nutrient Signaling via the TORC1-Greatwall-PP2A <sup>B55Î´</sup> Pathway Is Responsible for the High Initial Rates of Alcoholic Fermentation in Sake Yeast Strains of Saccharomyces cerevisiae. Applied and Environmental Microbiology, 2019, 85, . | 3.1 | 16 |
| 10 | The Rag GTPase-Ragulator complex attenuates TOR complex 1 signaling in fission yeast. Autophagy, 2018, 14, 1-2. | 9.1 | 11 |
| 11 | Evolutionary Conservation of the Components in the TOR Signaling Pathways. Biomolecules, 2017, 7, 77. | 4.0 | 93 |
| 12 | Substrate specificity of TOR complex 2 is determined by a ubiquitin-fold domain of the Sin1 subunit. ELife, 2017, 6, . | 6.0 | 51 |
| 13 | Ragulator and GATOR1 complexes promote fission yeast growth by attenuating TOR complex 1 through Rag GTPases. ELife, 2017, 6, . | 6.0 | 31 |
| 14 | Fission yeast Ryh1 GTPase activates TOR Complex 2 in response to glucose. Cell Cycle, 2015, 14, 848-856. | 2.6 | 41 |
| 15 | 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. | 2.8 | 16 |
| 16 | 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. | 0.8 | 6 |
| 17 | A photo-triggerable drug carrier based on cleavage of PEG lipids by photosensitiser-generated reactive singlet oxygen. Organic and Biomolecular Chemistry, 2013, 11, 2567. | 2.8 | 14 |
| 18 | Response regulatorâ€“mediated MAPKKK heteromer promotes stress signaling to the Spc1 MAPK in fission yeast. Molecular Biology of the Cell, 2013, 24, 1083-1092. | 2.1 | 8 |

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|---|---|---|---|
| 19 | Phosphorelay-dependent and -independent regulation of MAPKKK by the Mcs4 response regulator in fission yeast. Communicative and Integrative Biology, 2013, 6, e25020. | 1.4 | 9 |
| 20 | Rab-Family GTPase Regulates TOR Complex 2 Signaling in Fission Yeast. Current Biology, 2010, 20, 1975-1982. | 3.9 | 59 |
| 21 | Two-Component Signaling to the Stress MAP Kinase Cascade in Fission Yeast. Methods in Enzymology, 2010, 471, 279-289. | 1.0 | 6 |
| 22 | Rab small GTPase emerges as a regulator of TOR complex 2. Small GTPases, 2010, 1, 180-182. | 1.6 | 12 |
| 23 | Protein Serine/Threonine-Phosphatase 2C (PP2C). , 2010, , 711-716. | | 1 |
| 24 | Nutrition-Minded Cell Cycle. Science Signaling, 2009, 2, pe74. | 3.6 | 15 |
| 25 | Pom1 DYRK Regulates Localization of the Rga4 GAP to Ensure Bipolar Activation of Cdc42 in Fission Yeast. Current Biology, 2008, 18, 322-330. | 3.9 | 160 |
| 26 | Glycolytic Enzyme GAPDH Promotes Peroxide Stress Signaling through Multistep Phosphorelay to a MAPK Cascade. Molecular Cell, 2008, 30, 108-113. | 9.7 | 72 |
| 27 | 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. | 2.6 | 75 |
| 28 | The fission yeast stress MAPK cascade regulates thepmp3+gene that encodes a highly conserved plasma membrane protein. FEBS Letters, 2006, 580, 2409-2413. | 2.8 | 14 |
| 29 | 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. | 3.9 | 103 |
| 30 | Yeast signaling pathways in the oxidative stress response. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 569, 13-27. | 1.0 | 201 |
| 31 | 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. | 2.3 | 19 |
| 32 | Phosphorelay Signaling in Yeast in Response to Changes in Osmolarity. Science Signaling, 2004, 2004, tr12-tr12. | 3.6 | 3 |
| 33 | Identification of Cdc37 as a Novel Regulator of the Stress-Responsive Mitogen-Activated Protein Kinase. Molecular and Cellular Biology, 2003, 23, 5132-5142. | 2.3 | 50 |
| 34 | Protein Serine/Threonine-Phosphatase 2C (PP2C). , 2003, , 637-640. | | 1 |
| 35 | 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. | 2.1 | 38 |
| 36 | MAPping Stress Survival in Yeasts: From the Cell Surface to the Nucleus. Cell and Molecular Response To Stress, 2002, , 75-90. | 0.4 | 7 |

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|---|---|---|---|
| 37 | SakA MAP kinase is involved in stress signal transduction, sexual development and spore viability in Aspergillus nidulans. Molecular Microbiology, 2002, 45, 1153-1163. | 2.5 | 218 |
| 38 | Multistep Phosphorelay Proteins Transmit Oxidative Stress Signals to the Fission Yeast Stress-activated Protein Kinase. Molecular Biology of the Cell, 2000, 11, 1169-1181. | 2.1 | 147 |
| 39 | Heat shock-induced activation of stress MAP kinase is regulated by threonine- and tyrosine-specific phosphatases. Genes and Development, 1999, 13, 1653-1663. | 5.9 | 116 |
| 40 | Heat Stress Activates Fission Yeast Spc1/StyI MAPK by a MEKK-Independent Mechanism. Molecular Biology of the Cell, 1998, 9, 1339-1349. | 2.1 | 107 |
| 41 | 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. | 5.9 | 145 |
| 42 | 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. | 3.4 | 69 |
| 43 | Stress-activated protein kinase pathway in cell cycle control of fission yeast. Methods in Enzymology, 1997, 283, 506-520. | 1.0 | 62 |
| 44 | Expression, Purification and Analyses of Cell-Cycle Regulatory Proteins in S. pombe. , 1997, , 133-148. | | 3 |
| 45 | 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. | 5.9 | 397 |
| 46 | Cell-cycle control linked to extracellular environment by MAP kinase pathway in fission yeast. Nature, 1995, 378, 739-743. | 27.8 | 463 |
| 47 | Functional dissection of the phosphorylated termini of fission yeast DNA topoisomerase II.. Journal of Cell Biology, 1992, 119, 1023-1036. | 5.2 | 95 |
| 48 | Cloning and sequencing ofSchizosaccharomyces pombeDNA topoisomerase I gene, and effect of gene disruption. Nucleic Acids Research, 1987, 15, 9727-9739. | 14.5 | 91 |
| 49 | DNA topoisomerase II is required for condensation and separation of mitotic chromosomes in S. pombe. Cell, 1987, 50, 917-925. | 28.9 | 693 |