

Kazuo Tatebayashi

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,874
citations

361413

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552781

26
g-index

27
all docs

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docs citations

27
times ranked

1827
citing authors

#	ARTICLE	IF	CITATIONS
1	Osmostress enhances activating phosphorylation of Hog1 <scp>MAP</scp> kinase by mono-ε-phosphorylated Pbs2 <scp>MAP</scp> 2K. EMBO Journal, 2020, 39, e103444.	7.8	44
2	Interaction between the transmembrane domains of Sho1 and Opy2 enhances the signaling efficiency of the Hog1 MAP kinase cascade in Saccharomyces cerevisiae. PLoS ONE, 2019, 14, e0211380.	2.5	18
3	Scaffold Protein Ahk1, Which Associates with Hkr1, Sho1, Ste11, and Pbs2, Inhibits Cross Talk Signaling from the Hkr1 Osmosensor to the Kss1 Mitogen-Activated Protein Kinase. Molecular and Cellular Biology, 2016, 36, 1109-1123.	2.3	24
4	Binding of the Extracellular Eight-Cysteine Motif of Opy2 to the Putative Osmosensor Msb2 Is Essential for Activation of the Yeast High-Osmolarity Glycerol Pathway. Molecular and Cellular Biology, 2016, 36, 475-487.	2.3	22
5	Osmosensing and scaffolding functions of the oligomeric four-transmembrane domain osmosensor Sho1. Nature Communications, 2015, 6, 6975.	12.8	46
6	Yeast Osmosensors Hkr1 and Msb2 Activate the Hog1 MAPK Cascade by Different Mechanisms. Science Signaling, 2014, 7, ra21.	3.6	92
7	Dynamic Control of Yeast MAP Kinase Network by Induced Association and Dissociation between the Ste50 Scaffold and the Opy2 Membrane Anchor. Molecular Cell, 2010, 40, 87-98.	9.7	80
8	Glycosylation defects activate filamentous growth Kss1 MAPK and inhibit osmoregulatory Hog1 MAPK. EMBO Journal, 2009, 28, 1380-1391.	7.8	73
9	Phosphorylated Ssk1 Prevents Unphosphorylated Ssk1 from Activating the Ssk2 Mitogen-Activated Protein Kinase Kinase Kinase in the Yeast High-Osmolarity Glycerol Osmoregulatory Pathway. Molecular and Cellular Biology, 2008, 28, 5172-5183.	2.3	56
10	Two Adjacent Docking Sites in the Yeast Hog1 Mitogen-Activated Protein (MAP) Kinase Differentially Interact with the Pbs2 MAP Kinase Kinase and the Ptp2 Protein Tyrosine Phosphatase. Molecular and Cellular Biology, 2008, 28, 2481-2494.	2.3	52
11	Identification of novel suppressors for Mog1 implies its involvement in RNA metabolism, lipid metabolism and signal transduction. Gene, 2007, 400, 114-121.	2.2	6
12	Transmembrane mucins Hkr1 and Msb2 are putative osmosensors in the SHO1 branch of yeast HOG pathway. EMBO Journal, 2007, 26, 3521-3533.	7.8	204
13	Adaptor functions of Cdc42, Ste50, and Sho1 in the yeast osmoregulatory HOG MAPK pathway. EMBO Journal, 2006, 25, 3033-3044.	7.8	148
14	Conserved Docking Site Is Essential for Activation of Mammalian MAP Kinase Kinases by Specific MAP Kinase Kinase Kinases. Molecular Cell, 2005, 18, 295-306.	9.7	146
15	Regulation of the Osmoregulatory HOG MAPK Cascade in Yeast. Journal of Biochemistry, 2004, 136, 267-272.	1.7	200
16	A docking site determining specificity of Pbs2 MAPKK for Ssk2/Ssk22 MAPKKs in the yeast HOG pathway. EMBO Journal, 2003, 22, 3624-3634.	7.8	91
17	Yeast recombination pathways triggered by topoisomerase II-mediated DNA breaks. Nucleic Acids Research, 2003, 31, 4373-4384.	14.5	36
18	Effect of the DNA topoisomerase II inhibitor VP-16 on illegitimate recombination in yeast chromosomes. Gene, 2002, 291, 251-257.	2.2	17

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19	Smad-dependent GADD45beta expression mediates delayed activation of p38 MAP kinase by TGF-beta. EMBO Journal, 2002, 21, 6473-6482.	7.8	162
20	The dhp1+ gene, encoding a putative nuclear 5'->3' exoribonuclease, is required for proper chromosome segregation in fission yeast. Nucleic Acids Research, 2001, 29, 1326-1333.	14.5	38
21	Regulation of Initiation of S Phase, Replication Checkpoint Signaling, and Maintenance of Mitotic Chromosome Structures during S Phase by Hsk1 Kinase in the Fission Yeast. Molecular Biology of the Cell, 2001, 12, 1257-1274.	2.1	106
22	Bloom's syndrome gene suppresses premature ageing caused by Sgs1 deficiency in yeast. Genes To Cells, 1999, 4, 619-625.	1.2	84
23	The budding yeast cohesin gene SCC1 / MCD1 / RHC21 genetically interacts with PKA, CDK and APC. Current Genetics, 1999, 36, 329-338.	1.7	20
24	The RHC21 gene of budding yeast, a homologue of the fission yeast rad21 gene, is essential for chromosome segregation. Molecular Genetics and Genomics, 1998, 257, 149-156.	2.4	22
25	Isolation of a Schizosaccharomyces pombe rad21ts Mutant That Is Aberrant in Chromosome Segregation, Microtubule Function, DNA Repair and Sensitive to Hydroxyurea: Possible Involvement of Rad21 in Ubiquitin-Mediated Proteolysis. Genetics, 1998, 148, 49-57.	2.9	72
26	Structural analyses of DNA fragments integrated by illegitimate recombination in Schizosaccharomyces pombe. Molecular Genetics and Genomics, 1994, 244, 111-119.	2.4	11