Humberto MartÃ-n

List of Publications by Year
in descending order

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Version: 2024-02-01

41 papers	2,148 citations	331670 21 h-index	302126 39 g-index
41 all docs	41 docs citations	41 times ranked	1788 citing authors

#	Article	IF	Citations
1	Substrates of the MAPK Slt2: Shaping Yeast Cell Integrity. Journal of Fungi (Basel, Switzerland), 2022, 8, 368.	3.5	15
2	A walk-through MAPK structure and functionality with the 30-year-old yeast MAPK Slt2. International Microbiology, 2021, 24, 531-543.	2.4	12
3	Clotrimazole-Induced Oxidative Stress Triggers Novel Yeast Pkc1-Independent Cell Wall Integrity MAPK Pathway Circuitry. Journal of Fungi (Basel, Switzerland), 2021, 7, 647.	3.5	8
4	Differential Role of Threonine and Tyrosine Phosphorylation in the Activation and Activity of the Yeast MAPK Slt2. International Journal of Molecular Sciences, 2021, 22, 1110.	4.1	16
5	Fungal Signaling: from Homeostasis to Pathogenesis. International Microbiology, 2020, 23, 1-3.	2.4	0
6	Not just the wall: the other ways to turn the yeast CWI pathway on. International Microbiology, 2020, 23, 107-119.	2.4	41
7	Rewiring the yeast cell wall integrity (CWI) pathway through a synthetic positive feedback circuit unveils a novel role for the MAPKKK Ssk2 in CWI pathway activation. FEBS Journal, 2020, 287, 4881-4901.	4.7	15
8	Mitogen-Activated Protein Kinase Phosphatases (MKPs) in Fungal Signaling: Conservation, Function, and Regulation. International Journal of Molecular Sciences, 2019, 20, 1709.	4.1	62
9	Educating in antimicrobial resistance awareness: adaptation of the Small World Initiative program to service-learning. FEMS Microbiology Letters, 2018, 365, .	1.8	19
10	Laser induced breakdown spectroscopy for the discrimination of Candida strains. Talanta, 2016, 155, 101-106.	5.5	21
11	Methods to Study Protein Tyrosine Phosphatases Acting on Yeast MAPKs. Methods in Molecular Biology, 2016, 1447, 385-398.	0.9	3
12	An Analog-sensitive Version of the Protein Kinase Slt2 Allows Identification of Novel Targets of the Yeast Cell Wall Integrity Pathway. Journal of Biological Chemistry, 2016, 291, 5461-5472.	3.4	13
13	Wide-Ranging Effects of the Yeast Ptc1 Protein Phosphatase Acting Through the MAPK Kinase Mkk1. Genetics, 2016, 202, 141-156.	2.9	24
14	Identification of putative negative regulators of yeast signaling through a screening for protein phosphatases acting on cell wall integrity and mating MAPK pathways. Fungal Genetics and Biology, 2015, 77, 1-11.	2.1	21
15	Differential genetic interactions of yeast stress response <scp>MAPK</scp> pathways. Molecular Systems Biology, 2015, 11, 800.	7.2	47
16	A Conserved Non-Canonical Docking Mechanism Regulates the Binding of Dual Specificity Phosphatases to Cell Integrity Mitogen-Activated Protein Kinases (MAPKs) in Budding and Fission Yeasts. PLoS ONE, 2014, 9, e85390.	2.5	6
17	Phosphoproteomic Analysis of Protein Kinase C Signaling in Saccharomyces cerevisiae Reveals Slt2 Mitogen-activated Protein Kinase (MAPK)-dependent Phosphorylation of Eisosome Core Components. Molecular and Cellular Proteomics, 2013, 12, 557-574.	3.8	52
18	TheSalmonellaTyphimurium effector SteC inhibits Cdc42-mediated signaling through binding to the exchange factor Cdc24 inSaccharomyces cerevisiae. Molecular Biology of the Cell, 2012, 23, 4430-4443.	2.1	14

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19	Phylogenetic and genetic linkage between novel atypical dual-specificity phosphatases from non-metazoan organisms. Molecular Genetics and Genomics, 2011, 285, 341-354.	2.1	25
20	Distinct Docking Mechanisms Mediate Interactions between the Msg5 Phosphatase and Mating or Cell Integrity Mitogen-activated Protein Kinases (MAPKs) in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2011, 286, 42037-42050.	3.4	15
21	Fine regulation of Saccharomyces cerevisiae MAPK pathways by postâ€translational modifications. Yeast, 2010, 27, 503-511.	1.7	29
22	Different modulation of the outputs of yeast MAPK-mediated pathways by distinct stimuli and isoforms of the dual-specificity phosphatase Msg5. Molecular Genetics and Genomics, 2009, 281, 345-359.	2.1	24
23	A yeast-based genetic screen for identification of pathogenicSalmonellaÃ¢Â€Âƒ proteins. FEMS Microbiology Letters, 2009, 296, 167-177.	1.8	11
24	Dissecting the transcriptional activation function of the cell wall integrity MAP kinase. Yeast, 2007, 24, 335-342.	1.7	18
25	Signaling Alkaline pH Stress in the Yeast Saccharomyces cerevisiae through the Wsc1 Cell Surface Sensor and the Slt2 MAPK Pathway. Journal of Biological Chemistry, 2006, 281, 39785-39795.	3.4	107
26	Protein phosphatases in MAPK signalling: we keep learning from yeast. Molecular Microbiology, 2005, 58, 6-16.	2.5	139
27	Reciprocal Regulation between Slt2 MAPK and Isoforms of Msg5 Dual-specificity Protein Phosphatase Modulates the Yeast Cell Integrity Pathway. Journal of Biological Chemistry, 2004, 279, 11027-11034.	3.4	68
28	A Novel Connection between the Yeast Cdc42 GTPase and the Slt2-mediated Cell Integrity Pathway Identified through the Effect of Secreted Salmonella GTPase Modulators. Journal of Biological Chemistry, 2002, 277, 27094-27102.	3.4	26
29	Pim1, a MAP kinase involved in cell wall integrity in Pichia pastoris. Molecular Genetics and Genomics, 2001, 265, 604-614.	2.1	17
30	Choline-binding domain as a novel affinity tag for purification of fusion proteins produced inPichia pastoris. Biotechnology and Bioengineering, 2001, 74, 164-171.	3.3	16
31	Peroxide Sensors for the Fission Yeast Stress-activated Mitogen-activated Protein Kinase Pathway. Molecular Biology of the Cell, 2001, 12, 407-419.	2.1	159
32	Cell wall perturbation in yeast results in dual phosphorylation of the Slt2/Mpk1 MAP kinase and in an Slt2-mediated increase in FKS2â€“lacZ expression, glucanase resistance and thermotolerance. Microbiology (United Kingdom), 2000, 146, 2121-2132.	1.8	237
33	Regulatory Mechanisms for Modulation of Signaling through the Cell Integrity Slt2-mediated Pathway in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2000, 275, 1511-1519.	3.4	316
34	Sin1: an evolutionarily conserved component of the eukaryotic SAPK pathway. EMBO Journal, 1999, 18, 4210-4221.	7.8	64
35	20 MAP Kinase-Mediated Signal Transduction Pathways. Methods in Microbiology, 1998, , 375-393.	0.8	10
36	Characterization of SKM1, a Saccharomyces cerevisiae gene encoding a novel Ste20/PAK-like protein kinase. Molecular Microbiology, 1997, 23, 431-444.	2.5	54

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37	Molecular and functional characterization of a mutant allele of the mitogen-activated protein-kinase geneSLT2(MPK1) rescued from yeast autolytic mutants. Current Genetics, 1996, 29, 516-522.	1.7	50
38	Characterization of domains in the yeast MAP kinase Slt2 (Mpk1) required for functional activity and in vivo interaction with protein kinases Mkk1 and Mkk2. Molecular Microbiology, 1995, 17, 833-842.	2.5	40
39	Activity of the yeast MAP kinase homologue Slt2 is critically required for cell integrity at 37Â° C. Molecular Genetics and Genomics, 1993, 241-241, 177-184.	2.4	126
40	Genetic Control of Fungal Cell Wall Autolysis. , 1993, , 285-294.		4
41	A protein kinase gene complements the lytic phenotype of Saccharomyces cerevisiae lyt2 mutants. Molecular Microbiology, 1991, 5, 2845-2854.	2.5	204