

Maria Molina Martin

List of Publications by Year in descending order

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4,779
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159585

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all docs

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docs citations

99
times ranked

5177
citing authors

#	ARTICLE	IF	CITATIONS
1	Substrates of the MAPK Slt2: Shaping Yeast Cell Integrity. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 368.	3.5	15
2	A global analysis of the reconstitution of PTEN function by translational readthrough of PTEN pathogenic premature termination codons. <i>Human Mutation</i> , 2021, 42, 551-566.	2.5	7
3	A walk-through MAPK structure and functionality with the 30-year-old yeast MAPK Slt2. <i>International Microbiology</i> , 2021, 24, 531-543.	2.4	12
4	Heterologous Expression and Auto-Activation of Human Pro-Inflammatory Caspase-1 in <i>Saccharomyces cerevisiae</i> and Comparison to Caspase-8. <i>Frontiers in Immunology</i> , 2021, 12, 668602.	4.8	7
5	Clotrimazole-Induced Oxidative Stress Triggers Novel Yeast Pkc1-Independent Cell Wall Integrity MAPK Pathway Circuitry. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 647.	3.5	8
6	Differential Role of Threonine and Tyrosine Phosphorylation in the Activation and Activity of the Yeast MAPK Slt2. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1110.	4.1	16
7	Heterologous Expression and Assembly of Human TLR Signaling Components in <i>Saccharomyces cerevisiae</i> . <i>Biomolecules</i> , 2021, 11, 1737.	4.0	4
8	Modeling human disease in yeast: recreating the PI3K-PTEN-Akt signaling pathway in <i>Saccharomyces cerevisiae</i> . <i>International Microbiology</i> , 2020, 23, 75-87.	2.4	15
9	Not just the wall: the other ways to turn the yeast CWI pathway on. <i>International Microbiology</i> , 2020, 23, 107-119.	2.4	41
10	Rewiring the yeast cell wall integrity (CWI) pathway through a synthetic positive feedback circuit unveils a novel role for the MAPK Ssk2 in CWI pathway activation. <i>FEBS Journal</i> , 2020, 287, 4881-4901.	4.7	15
11	<i>Klebsiella pneumoniae</i> type VI secretion system-mediated microbial competition is PhoPQ controlled and reactive oxygen species dependent. <i>PLoS Pathogens</i> , 2020, 16, e1007969.	4.7	86
12	The TIR-domain containing effectors BtpA and BtpB from <i>Brucella abortus</i> impact NAD metabolism. <i>PLoS Pathogens</i> , 2020, 16, e1007979.	4.7	45
13	The TIR-domain containing effectors BtpA and BtpB from <i>Brucella abortus</i> impact NAD metabolism. , 2020, 16, e1007979.		0
14	The TIR-domain containing effectors BtpA and BtpB from <i>Brucella abortus</i> impact NAD metabolism. , 2020, 16, e1007979.		0
15	The TIR-domain containing effectors BtpA and BtpB from <i>Brucella abortus</i> impact NAD metabolism. , 2020, 16, e1007979.		0
16	The TIR-domain containing effectors BtpA and BtpB from <i>Brucella abortus</i> impact NAD metabolism. , 2020, 16, e1007979.		0
17	The TIR-domain containing effectors BtpA and BtpB from <i>Brucella abortus</i> impact NAD metabolism. , 2020, 16, e1007979.		0
18	The TIR-domain containing effectors BtpA and BtpB from <i>Brucella abortus</i> impact NAD metabolism. , 2020, 16, e1007979.		0

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19	Mitogen-Activated Protein Kinase Phosphatases (MKPs) in Fungal Signaling: Conservation, Function, and Regulation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1709.	4.1	62
20	Expression of Human PTEN-L in a Yeast Heterologous Model Unveils Specific N-Terminal Motifs Controlling PTEN-L Subcellular Localization and Function. <i>Cells</i> , 2019, 8, 1512.	4.1	9
21	A pathogenic role for germline PTEN variants which accumulate into the nucleus. <i>European Journal of Human Genetics</i> , 2018, 26, 1180-1187.	2.8	21
22	Heterologous mammalian Akt disrupts plasma membrane homeostasis by taking over TORC2 signaling in <i>Saccharomyces cerevisiae</i> . <i>Scientific Reports</i> , 2018, 8, 7732.	3.3	6
23	Educating in antimicrobial resistance awareness: adaptation of the Small World Initiative program to service-learning. <i>FEMS Microbiology Letters</i> , 2018, 365, .	1.8	19
24	A humanized yeast-based toolkit for monitoring phosphatidylinositol 3-kinase activity at both single cell and population levels. <i>Microbial Cell</i> , 2018, 5, 545-554.	3.2	7
25	Insights into the pathological mechanisms of p85 ^{L1} mutations using a yeast-based phosphatidylinositol 3-kinase model. <i>Bioscience Reports</i> , 2017, 37, .	2.4	10
26	Studying <i>Coxiella burnetii</i> Type IV Substrates in the Yeast <i>Saccharomyces cerevisiae</i> : Focus on Subcellular Localization and Protein Aggregation. <i>PLoS ONE</i> , 2016, 11, e0148032.	2.5	12
27	Laser induced breakdown spectroscopy for the discrimination of <i>Candida</i> strains. <i>Talanta</i> , 2016, 155, 101-106.	5.5	21
28	Methods to Study Protein Tyrosine Phosphatases Acting on Yeast MAPKs. <i>Methods in Molecular Biology</i> , 2016, 1447, 385-398.	0.9	3
29	The <i>Salmonella</i> effector SteA binds phosphatidylinositol 4-phosphate for subcellular targeting within host cells. <i>Cellular Microbiology</i> , 2016, 18, 949-969.	2.1	38
30	An Analog-sensitive Version of the Protein Kinase Slr2 Allows Identification of Novel Targets of the Yeast Cell Wall Integrity Pathway. <i>Journal of Biological Chemistry</i> , 2016, 291, 5461-5472.	3.4	13
31	Wide-Ranging Effects of the Yeast Ptc1 Protein Phosphatase Acting Through the MAPK Kinase Mkk1. <i>Genetics</i> , 2016, 202, 141-156.	2.9	24
32	A Functional Dissection of PTEN N-Terminus: Implications in PTEN Subcellular Targeting and Tumor Suppressor Activity. <i>PLoS ONE</i> , 2015, 10, e0119287.	2.5	27
33	Yeast-based methods to assess PTEN phosphoinositide phosphatase activity in vivo. <i>Methods</i> , 2015, 77-78, 172-179.	3.8	13
34	Identification of putative negative regulators of yeast signaling through a screening for protein phosphatases acting on cell wall integrity and mating MAPK pathways. <i>Fungal Genetics and Biology</i> , 2015, 77, 1-11.	2.1	21
35	Differential genetic interactions of yeast stress response <i>MAPK</i> pathways. <i>Molecular Systems Biology</i> , 2015, 11, 800.	7.2	47
36	The yeast cell wall integrity pathway signals from recycling endosomes upon elimination of phosphatidylinositol (4,5)-bisphosphate by mammalian phosphatidylinositol 3-kinase. <i>Cellular Signalling</i> , 2015, 27, 2272-2284.	3.6	14

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37	Immunoproteomic profiling of <i>Saccharomyces cerevisiae</i> systemic infection in a murine model. <i>Journal of Proteomics</i> , 2015, 112, 14-26.	2.4	5
38	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. <i>PLoS ONE</i> , 2014, 9, e85390.	2.5	6
39	A Unified Nomenclature and Amino Acid Numbering for Human PTEN. <i>Science Signaling</i> , 2014, 7, pe15.	3.6	50
40	Pathogenic Potential of <i>Saccharomyces</i> Strains Isolated from Dietary Supplements. <i>PLoS ONE</i> , 2014, 9, e98094.	2.5	29
41	Phosphoproteomic Analysis of Protein Kinase C Signaling in <i>Saccharomyces cerevisiae</i> Reveals Slt2 Mitogen-activated Protein Kinase (MAPK)-dependent Phosphorylation of Eosome Core Components. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 557-574.	3.8	52
42	A Yeast-Based In Vivo Bioassay to Screen for Class I Phosphatidylinositol 3-Kinase Specific Inhibitors. <i>Journal of Biomolecular Screening</i> , 2012, 17, 1018-1029.	2.6	19
43	The <i>Salmonella</i> Typhimurium effector SteC inhibits Cdc42-mediated signaling through binding to the exchange factor Cdc24 in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2012, 23, 4430-4443.	2.1	14
44	Interaction of the <i>Salmonella</i> Typhimurium effector protein SopB with host cell Cdc42 is involved in intracellular replication. <i>Molecular Microbiology</i> , 2011, 80, 1220-1240.	2.5	28
45	Phylogenetic and genetic linkage between novel atypical dual-specificity phosphatases from non-metazoan organisms. <i>Molecular Genetics and Genomics</i> , 2011, 285, 341-354.	2.1	25
46	A comprehensive functional analysis of PTEN mutations: implications in tumor- and autism-related syndromes. <i>Human Molecular Genetics</i> , 2011, 20, 4132-4142.	2.9	174
47	Distinct Docking Mechanisms Mediate Interactions between the Msg5 Phosphatase and Mating or Cell Integrity Mitogen-activated Protein Kinases (MAPKs) in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 42037-42050.	3.4	15
48	Reverse Protein Arrays Applied to Host-Pathogen Interaction Studies. <i>Methods in Molecular Biology</i> , 2011, 723, 37-55.	0.9	2
49	Gel and gel-free proteomics to identify <i>Saccharomyces cerevisiae</i> cell surface proteins. <i>Journal of Proteomics</i> , 2010, 73, 1183-1195.	2.4	46
50	Fine regulation of <i>Saccharomyces cerevisiae</i> MAPK pathways by post-translational modifications. <i>Yeast</i> , 2010, 27, 503-511.	1.7	29
51	Differences in activation of MAP kinases and variability in the polyglutamine tract of Slt2 in clinical and non-clinical isolates of <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2010, 27, 549-561.	1.7	9
52	Phosphatidylinositol 3-Kinase-dependent Activation of Mammalian Protein Kinase B/Akt in <i>Saccharomyces cerevisiae</i> , an in Vivo Model for the Functional Study of Akt Mutations. <i>Journal of Biological Chemistry</i> , 2009, 284, 13373-13383.	3.4	18
53	Different modulation of the outputs of yeast MAPK-mediated pathways by distinct stimuli and isoforms of the dual-specificity phosphatase Msg5. <i>Molecular Genetics and Genomics</i> , 2009, 281, 345-359.	2.1	24
54	Addressing the effects of <i>Salmonella</i> internalization in host cell signaling on a reverse-phase protein array. <i>Proteomics</i> , 2009, 9, 3652-3665.	2.2	18

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55	A yeast-based genetic screen for identification of pathogenic <i>Salmonella</i> f proteins. <i>FEMS Microbiology Letters</i> , 2009, 296, 167-177.	1.8	11
56	Assessment of PTEN tumor suppressor activity in nonmammalian models: the year of the yeast. <i>Oncogene</i> , 2008, 27, 5431-5442.	5.9	31
57	Retrophosphorylation of Mkk1 and Mkk2 MAPKs by the Slk2 MAPK in the Yeast Cell Integrity Pathway. <i>Journal of Biological Chemistry</i> , 2007, 282, 31174-31185.	3.4	37
58	<i>In vivo</i> Functional Analysis of the Counterbalance of Hyperactive Phosphatidylinositol 3-Kinase p110 Catalytic Oncoproteins by the Tumor Suppressor PTEN. <i>Cancer Research</i> , 2007, 67, 9731-9739.	0.9	37
59	Dissecting the transcriptional activation function of the cell wall integrity MAP kinase. <i>Yeast</i> , 2007, 24, 335-342.	1.7	18
60	Inhibition of Cdc42-dependent signalling in <i>Saccharomyces cerevisiae</i> by phosphatase-dead SigD/SopB from <i>Salmonella typhimurium</i> . <i>Microbiology (United Kingdom)</i> , 2006, 152, 3437-3452.	1.8	27
61	Reconstitution of the mammalian PI3K/PTEN/Akt pathway in yeast. <i>Biochemical Journal</i> , 2005, 390, 613-623.	3.7	84
62	The amino-terminal non-catalytic region of <i>Salmonella typhimurium</i> SigD affects actin organization in yeast and mammalian cells. <i>Cellular Microbiology</i> , 2005, 7, 1432-1446.	2.1	27
63	Protein phosphatases in MAPK signalling: we keep learning from yeast. <i>Molecular Microbiology</i> , 2005, 58, 6-16.	2.5	139
64	Genomic sequence of the pathogenic and allergenic filamentous fungus <i>Aspergillus fumigatus</i> . <i>Nature</i> , 2005, 438, 1151-1156.	27.8	1,272
65	Enteropathogenic <i>Escherichia coli</i> type III effectors alter cytoskeletal function and signalling in <i>Saccharomyces cerevisiae</i> . <i>Microbiology (United Kingdom)</i> , 2005, 151, 2933-2945.	1.8	22
66	Modulation of Host Cytoskeleton Function by the Enteropathogenic <i>Escherichia coli</i> and <i>Citrobacter rodentium</i> Effector Protein EspG. <i>Infection and Immunity</i> , 2005, 73, 2586-2594.	2.2	65
67	Reciprocal Regulation between Slk2 MAPK and Isoforms of Msg5 Dual-specificity Protein Phosphatase Modulates the Yeast Cell Integrity Pathway. <i>Journal of Biological Chemistry</i> , 2004, 279, 11027-11034.	3.4	68
68	Cell-type-dependent repression of yeast α -specific genes requires Itc1p, a subunit of the Isw2p-Itc1p chromatin remodelling complex. <i>Microbiology (United Kingdom)</i> , 2003, 149, 341-351.	1.8	39
69	A Novel Connection between the Yeast Cdc42 GTPase and the Slk2-mediated Cell Integrity Pathway Identified through the Effect of Secreted <i>Salmonella</i> GTPase Modulators. <i>Journal of Biological Chemistry</i> , 2002, 277, 27094-27102.	3.4	26
70	Orchestrating the cell cycle in yeast: sequential localization of key mitotic regulators at the spindle pole and the bud neck. <i>Microbiology (United Kingdom)</i> , 2002, 148, 2647-2659.	1.8	29
71	Pim1, a MAP kinase involved in cell wall integrity in <i>Pichia pastoris</i> . <i>Molecular Genetics and Genomics</i> , 2001, 265, 604-614.	2.1	17
72	A Genomic Approach for the Identification and Classification of Genes Involved in Cell Wall Formation and Its Regulation in <i>Saccharomyces cerevisiae</i> . <i>Comparative and Functional Genomics</i> , 2001, 2, 124-142.	2.0	138

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73	Choline-binding domain as a novel affinity tag for purification of fusion proteins produced in <i>Pichia pastoris</i> . <i>Biotechnology and Bioengineering</i> , 2001, 74, 164-171.	3.3	16
74	Cell cycle control of septin ring dynamics in the budding yeast. <i>Microbiology (United Kingdom)</i> , 2001, 147, 1437-1450.	1.8	89
75	Protein localisation approaches for understanding yeast cell wall biogenesis. <i>Microscopy Research and Technique</i> , 2000, 51, 601-612.	2.2	28
76	A proteomic approach for the study of <i>Saccharomyces cerevisiae</i> cell wall biogenesis. <i>Electrophoresis</i> , 2000, 21, 3396-3410.	2.4	82
77	Cell wall perturbation in yeast results in dual phosphorylation of the Slt2/Mpk1 MAP kinase and in an Slt2-mediated increase in FKS2-lacZ expression, glucanase resistance and thermotolerance. <i>Microbiology (United Kingdom)</i> , 2000, 146, 2121-2132.	1.8	237
78	Regulatory Mechanisms for Modulation of Signaling through the Cell Integrity Slt2-mediated Pathway in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 1511-1519.	3.4	316
79	A large-scale sonication assay for cell wall mutant analysis in yeast. , 1999, 15, 1001-1008.		37
80	The deletion of six ORFs of unknown function from <i>Saccharomyces cerevisiae</i> chromosome VII reveals two essential genes: YGR195w and YGR198w. , 1998, 14, 853-860.		10
81	Cloning and sequence analysis of the <i>Pichia pastoris</i> TRP1, IPP1 and HIS3 genes. , 1998, 14, 861-867.		6
82	Cell integrity and morphogenesis in a budding yeast septin mutant. <i>Microbiology (United Kingdom)</i> , 1998, 144, 3463-3474.	1.8	39
83	20 MAP Kinase-Mediated Signal Transduction Pathways. <i>Methods in Microbiology</i> , 1998, , 375-393.	0.8	10
84	Characterization of SKM1, a <i>Saccharomyces cerevisiae</i> gene encoding a novel Ste20/PAK-like protein kinase. <i>Molecular Microbiology</i> , 1997, 23, 431-444.	2.5	54
85	Molecular and functional characterization of a mutant allele of the mitogen-activated protein-kinase gene SLT2(MPK1) rescued from yeast autolytic mutants. <i>Current Genetics</i> , 1996, 29, 516-522.	1.7	50
86	Release of virus-like particles by osmotic shock from a mutant strain of yeast deficient in cell integrity. <i>Biotechnology Letters</i> , 1995, 9, 441-444.	0.5	4
87	Characterization of domains in the yeast MAP kinase Slt2 (Mpk1) required for functional activity and in vivo interaction with protein kinases Mkk1 and Mkk2. <i>Molecular Microbiology</i> , 1995, 17, 833-842.	2.5	40
88	A new system for the release of heterologous proteins from yeast based on mutant strains deficient in cell integrity. <i>Journal of Biotechnology</i> , 1994, 38, 81-88.	3.8	17
89	Use of fluorescein-di-beta-D-galactopyranoside (FDG) and C12-FDG as substrates for beta-galactosidase detection by flow cytometry in animal, bacterial, and yeast cells. <i>Applied and Environmental Microbiology</i> , 1994, 60, 4638-4641.	3.1	68
90	Expression of mutations and protein release by yeast conditional autolytic mutants in batch and continuous cultures. <i>Applied Microbiology and Biotechnology</i> , 1993, 38, 763-769.	3.6	11

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91	Activity of the yeast MAP kinase homologue Slt2 is critically required for cell integrity at 37°C. <i>Molecular Genetics and Genomics</i> , 1993, 241-241, 177-184.	2.4	126
92	Genetic Control of Fungal Cell Wall Autolysis. , 1993, , 285-294.		4
93	A protein kinase gene complements the lytic phenotype of <i>Saccharomyces cerevisiae</i> <i>lyt2</i> mutants. <i>Molecular Microbiology</i> , 1991, 5, 2845-2854.	2.5	204
94	Reconstruction of the yeast 2 μ m plasmid partitioning mechanism. <i>Nucleic Acids Research</i> , 1988, 16, 7103-7117.	14.5	13
95	Yeast beta-glucanases: a complex system of secreted enzymes. <i>Microbiological Sciences</i> , 1988, 5, 328-32.	0.5	23