Antonio J Casamayor

List of Publications by Year
in descending order

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59	7,132	186265	155660
papers	citations	28 h-index	55 g-index

60	60	60	6573
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global Analysis of Protein Activities Using Proteome Chips. Science, 2001, 293, 2101-2105.	12.6	2,082
2	Analysis of yeast protein kinases using protein chips. Nature Genetics, 2000, 26, 283-289.	21.4	810
3	3-Phosphoinositide-dependent protein kinase-1 (PDK1): structural and functional homology with the Drosophila DSTPK61 kinase. Current Biology, 1997, 7, 776-789.	3.9	691
4	PDK1 acquires PDK2 activity in the presence of a synthetic peptide derived from the carboxyl terminus of PRK2. Current Biology, 1999, 9, 393-404.	3.9	434
5	Role of phosphatidylinositol 3,4,5-trisphosphate in regulating the activity and localization of 3-phosphoinositide-dependent protein kinase-1. Biochemical Journal, 1999, 337, 575-583.	3.7	352
6	Phosphorylation of Ser-241 is essential for the activity of 3-phosphoinositide-dependent protein kinase-1: identification of five sites of phosphorylation in vivo. Biochemical Journal, 1999, 342, 287-292.	3.7	304
7	Identification of a pocket in the PDK1 kinase domain that interacts with PIF and the C-terminal residues of PKA. EMBO Journal, 2000, 19, 979-988.	7.8	285
8	Functional counterparts of mammalian protein kinases PDK1 and SGK in budding yeast. Current Biology, 1999, 9, 186-S4.	3.9	255
9	Molecular Dissection of a Yeast Septin: Distinct Domains Are Required for Septin Interaction, Localization, and Function. Molecular and Cellular Biology, 2003, 23, 2762-2777.	2.3	170
10	A 3-Phosphoinositide-dependent Protein Kinase-1 (PDK1) Docking Site Is Required for the Phosphorylation of Protein Kinase CÎ¶ (PKCÎ¶) and PKC-related Kinase 2 by PDK1. Journal of Biological Chemistry, 2000, 275, 20806-20813.	3.4	167
11	Bud-site selection and cell polarity in budding yeast. Current Opinion in Microbiology, 2002, 5, 179-186.	5.1	147
12	Role of phosphatidylinositol 3,4,5-trisphosphate in regulating the activity and localization of 3-phosphoinositide-dependent protein kinase-1. Biochemical Journal, 1999, 337, 575.	3.7	126
13	Characterisation of a plant 3-phosphoinositide-dependent protein kinase-1 homologue which contains a pleckstrin homology domain. FEBS Letters, 1999, 451, 220-226.	2.8	123
14	Phosphorylation of Ser-241 is essential for the activity of 3-phosphoinositide-dependent protein kinase-1: identification of five sites of phosphorylation in vivo. Biochemical Journal, 1999, 342, 287.	3.7	108
15	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
16	Disruption of iron homeostasis in Saccharomyces cerevisiae by high zinc levels: a genomeâ€wide study. Molecular Microbiology, 2007, 65, 521-537.	2.5	96
17	The PPZ protein phosphatases are involved in the maintenance of osmotic stability of yeast cells. FEBS Letters, 1993, 318, 282-286.	2.8	87
18	Transcriptional Profiling of the Protein Phosphatase 2C Family in Yeast Provides Insights into the Unique Functional Roles of Ptc1. Journal of Biological Chemistry, 2006, 281, 35057-35069.	3.4	59

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19	Type 2C Protein Phosphatases in Fungi. Eukaryotic Cell, 2011, 10, 21-33.	3.4	56
20	The role of the Snf1 kinase in the adaptive response of Saccharomyces cerevisiae to alkaline pH stress. Biochemical Journal, 2012, 444, 39-49.	3.7	54
21	Ser/Thr protein phosphatases in fungi: structure, regulation and function. Microbial Cell, 2019, 6, 217-256.	3.2	54
22	YPI1 and SDS22 Proteins Regulate the Nuclear Localization and Function of Yeast Type 1 Phosphatase Glc7. Journal of Biological Chemistry, 2007, 282, 3282-3292.	3.4	50
23	The gene DIS2S1 is essential in Saccharomyces cerevisiae and is involved in glycogen phosphorylase activation. Current Genetics, 1991, 19, 339-342.	1.7	47
24	Peroxovanadate induces tyrosine phosphorylation of phosphoinositide-dependent protein kinase-1. FEBS Journal, 2000, 267, 6642-6649.	0.2	46
25	Molecular characterization of a fourth isoform of the catalytic subunit of protein phosphatase 2A from Arabidopsis thaliana. Plant Molecular Biology, 1994, 26, 523-528.	3.9	39
26	Normal Function of the Yeast TOR Pathway Requires the Type 2C Protein Phosphatase Ptc1. Molecular and Cellular Biology, 2009, 29, 2876-2888.	2.3	38
27	Protein kinase Snf1 is involved in the proper regulation of the unfolded protein response in Saccharomyces cerevisiae. Biochemical Journal, 2015, 468, 33-47.	3.7	31
28	Regulation of Salt Tolerance in Fission Yeast by a Protein-Phosphatase-Z-Like Ser/Thr Protein Phosphatase. FEBS Journal, 1997, 250, 476-483.	0.2	29
29	The shortâ€term response of yeast to potassium starvation. Environmental Microbiology, 2012, 14, 3026-3042.	3.8	27
30	Identification and molecular cloning of two homologues of protein phosphatase X from Arabidopsis thaliana. Plant Molecular Biology, 1993, 23, 1177-1185.	3.9	24
31	Molecular cloning and characterization of two phosphatase 2A catalytic subunit genes from Arabidopsis thaliana. Gene, 1998, 209, 105-112.	2.2	21
32	Ptc6 Is Required for Proper Rapamycin-Induced Down-Regulation of the Genes Coding for Ribosomal and rRNA Processing Proteins in S. cerevisiae. PLoS ONE, 2013, 8, e64470.	2.5	19
33	Controlling Ser/Thr protein phosphatase PP1 activity and function through interaction with regulatory subunits. Advances in Protein Chemistry and Structural Biology, 2020, 122, 231-288.	2.3	19
34	Heterologous Expression Implicates a GATA Factor in Regulation of Nitrogen Metabolic Genes and Ion Homeostasis in the Halotolerant Yeast Debaryomyces hansenii. Eukaryotic Cell, 2006, 5, 1388-1398.	3.4	18
35	Yeast Ppz1 protein phosphatase toxicity involves the alteration of multiple cellular targets. Scientific Reports, 2020, 10, 15613.	3.3	18
36	The Arabidopsis thaliana PPX/PP4 phosphatases: molecular cloning and structural organization of the genes and immunolocalization of the proteins to plastids. Plant Molecular Biology, 2000, 44, 499-511.	3.9	15

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37	XV. Yeast sequencing reports. DNA sequence analysis of a 13 kbp fragment of the left arm of yeast chromosome XV containing seven new open reading frames. Yeast, 1995, 11, 1281-1288.	1.7	14
38	Ref2, a regulatory subunit of the yeast protein phosphatase 1, is a novel component of cation homoeostasis. Biochemical Journal, 2010, 426, 355-364.	3.7	13
39	PIF-Pocket as a Target for C. albicans Pkh Selective Inhibitors. ACS Chemical Biology, 2013, 8, 2283-2292.	3.4	13
40	Overexpression of budding yeast protein phosphatase Ppz1 impairs translation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118727.	4.1	13
41	Lipid regulators of Pkh2 in Candida albicans, the protein kinase ortholog of mammalian PDK1. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 249-259.	2.4	9
42	XV. Yeast sequencing reports. Sequence analysis of a 9873 bp fragment of the left arm of yeast chromosome XV that contains theARG8 andCDC33 genes, a putative riboflavin synthase beta chain gene, and four new open reading frames. Yeast, 1995, 11, 1061-1067.	1.7	6
43	Sequence analysis of a 13Â·4 kbp fragment from the left arm of chromosome XV reveals a malate dehydrogenase gene, a putative Ser/Thr protein kinase, the ribosomal L25 gene and four new open reading frames. Yeast, 1996, 12, 1013-1020.	1.7	6
44	Lack of DNA helicase Pif1 disrupts zinc and iron homoeostasis in yeast. Biochemical Journal, 2010, 432, 595-608.	3.7	6
45	Lack of the Glc7 phosphatase regulatory subunit Ypi1 activates the morphogenetic checkpoint. International Journal of Biochemistry and Cell Biology, 2012, 44, 1862-1871.	2.8	6
46	The Toxic Effects of Ppz1 Overexpression Involve Nha1-Mediated Deregulation of K+ and H+ Homeostasis. Journal of Fungi (Basel, Switzerland), 2021, 7, 1010.	3.5	6
47	The toxic effects of yeast Ppz1 phosphatase are counteracted by subcellular relocalization mediated by its regulatory subunit Hal3. FEBS Letters, 2022, 596, 1556-1566.	2.8	5
48	Analysis of the DNA sequence of a 15,500 bp fragment near the left telomere of chromosome XV from Saccharomyces cerevisiae reveals a putative sugar transporter, a carboxypeptidase homologue and two new open reading frames. Yeast, 1996, 12, 709-714.	1.7	4
49	Sequence analysis of a 12 801 bp fragment of the left arm of yeast chromosome XV containing a putative 6-phosphofructo-2-kinase gene, a gene for a possible glycophospholipid-anchored surface protein and six other open reading frames. Yeast, 1996, 12, 1053-1058.	1.7	4
50	The Saccharomyces cerevisiae Ptc1 protein phosphatase attenuates G2â€M cell cycle blockage caused by activation of the cell wall integrity pathway. Molecular Microbiology, 2016, 101, 671-687.	2.5	4
51	The N-Terminal Region of Yeast Protein Phosphatase Ppz1 Is a Determinant for Its Toxicity. International Journal of Molecular Sciences, 2020, 21, 7733.	4.1	4
52	Depletion of yeast PDK1 orthologs triggers a stress-like transcriptional response. BMC Genomics, 2015, 16, 719.	2.8	3
53	Comparative Analysis of Type 1 and Type Z Protein Phosphatases Reveals D615 as a Key Residue for Ppz1 Regulation. International Journal of Molecular Sciences, 2022, 23, 1327.	4.1	3
54	Assessing Differential Expression Measurements by Highly Parallel Pyrosequencing and DNA Microarrays: A Comparative Study. OMICS A Journal of Integrative Biology, 2013, 17, 53-59.	2.0	2

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55	When Phosphatases Go Mad: The Molecular Basis for Toxicity of Yeast Ppz1. International Journal of Molecular Sciences, 2022, 23, 4304.	4.1	1
56	Functional mapping of the Nâ€terminal region of the yeast moonlighting protein Sis2/Hal3 reveals crucial residues for Ppz1 regulation. FEBS Journal, 0, , .	4.7	1
57	A possible mechanism by which Protein Kinase B is phosphorylated at Ser473. Biochemical Society Transactions, 1999, 27, A73-A73.	3.4	0
58	A possible mechanism by which Protein Kinase B is phosphorylated at Ser473. Biochemical Society Transactions, 1999, 27, A106-A106.	3.4	0
59	Use of Yeast Genetic Tools to Define Biological Roles of Novel Protein Phosphatases. , 2007, 365, 299-308.		0