

# Antonio J Casamayor

## List of Publications by Year in descending order

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59  
papers

7,132  
citations

186254

28  
h-index

155644

55  
g-index

60  
all docs

60  
docs citations

60  
times ranked

6573  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Analysis of Type 1 and Type Z Protein Phosphatases Reveals D615 as a Key Residue for Ppz1 Regulation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1327.	4.1	3
2	The toxic effects of yeast Ppz1 phosphatase are counteracted by subcellular relocalization mediated by its regulatory subunit Hal3. <i>FEBS Letters</i> , 2022, 596, 1556-1566.	2.8	5
3	When Phosphatases Go Mad: The Molecular Basis for Toxicity of Yeast Ppz1. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4304.	4.1	1
4	The Toxic Effects of Ppz1 Overexpression Involve Nha1-Mediated Dereglulation of K <sup>+</sup> and H <sup>+</sup> Homeostasis. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 1010.	3.5	6
5	Yeast Ppz1 protein phosphatase toxicity involves the alteration of multiple cellular targets. <i>Scientific Reports</i> , 2020, 10, 15613.	3.3	18
6	Controlling Ser/Thr protein phosphatase PP1 activity and function through interaction with regulatory subunits. <i>Advances in Protein Chemistry and Structural Biology</i> , 2020, 122, 231-288.	2.3	19
7	The N-Terminal Region of Yeast Protein Phosphatase Ppz1 Is a Determinant for Its Toxicity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7733.	4.1	4
8	Overexpression of budding yeast protein phosphatase Ppz1 impairs translation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118727.	4.1	13
9	Ser/Thr protein phosphatases in fungi: structure, regulation and function. <i>Microbial Cell</i> , 2019, 6, 217-256.	3.2	54
10	The <i>Saccharomyces cerevisiae</i> Ptc1 protein phosphatase attenuates G2M cell cycle blockage caused by activation of the cell wall integrity pathway. <i>Molecular Microbiology</i> , 2016, 101, 671-687.	2.5	4
11	Lipid regulators of Pkh2 in <i>Candida albicans</i> , the protein kinase ortholog of mammalian PDK1. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 249-259.	2.4	9
12	Depletion of yeast PDK1 orthologs triggers a stress-like transcriptional response. <i>BMC Genomics</i> , 2015, 16, 719.	2.8	3
13	Protein kinase Snf1 is involved in the proper regulation of the unfolded protein response in <i>Saccharomyces cerevisiae</i> . <i>Biochemical Journal</i> , 2015, 468, 33-47.	3.7	31
14	Assessing Differential Expression Measurements by Highly Parallel Pyrosequencing and DNA Microarrays: A Comparative Study. <i>OMICS A Journal of Integrative Biology</i> , 2013, 17, 53-59.	2.0	2
15	PIF-Pocket as a Target for <i>C. albicans</i> Pkh Selective Inhibitors. <i>ACS Chemical Biology</i> , 2013, 8, 2283-2292.	3.4	13
16	Ptc6 Is Required for Proper Rapamycin-Induced Down-Regulation of the Genes Coding for Ribosomal and rRNA Processing Proteins in <i>S. cerevisiae</i> . <i>PLoS ONE</i> , 2013, 8, e64470.	2.5	19
17	The role of the Snf1 kinase in the adaptive response of <i>Saccharomyces cerevisiae</i> to alkaline pH stress. <i>Biochemical Journal</i> , 2012, 444, 39-49.	3.7	54
18	The short-term response of yeast to potassium starvation. <i>Environmental Microbiology</i> , 2012, 14, 3026-3042.	3.8	27

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19	Lack of the Glc7 phosphatase regulatory subunit Ypi1 activates the morphogenetic checkpoint. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 1862-1871.	2.8	6
20	Type 2C Protein Phosphatases in Fungi. <i>Eukaryotic Cell</i> , 2011, 10, 21-33.	3.4	56
21	Ref2, a regulatory subunit of the yeast protein phosphatase 1, is a novel component of cation homeostasis. <i>Biochemical Journal</i> , 2010, 426, 355-364.	3.7	13
22	Lack of DNA helicase Pif1 disrupts zinc and iron homeostasis in yeast. <i>Biochemical Journal</i> , 2010, 432, 595-608.	3.7	6
23	Normal Function of the Yeast TOR Pathway Requires the Type 2C Protein Phosphatase Ptc1. <i>Molecular and Cellular Biology</i> , 2009, 29, 2876-2888.	2.3	38
24	Use of Yeast Genetic Tools to Define Biological Roles of Novel Protein Phosphatases. , 2007, 365, 299-308.		0
25	YPI1 and SDS22 Proteins Regulate the Nuclear Localization and Function of Yeast Type 1 Phosphatase Glc7. <i>Journal of Biological Chemistry</i> , 2007, 282, 3282-3292.	3.4	50
26	Disruption of iron homeostasis in <i>Saccharomyces cerevisiae</i> by high zinc levels: a genome-wide study. <i>Molecular Microbiology</i> , 2007, 65, 521-537.	2.5	96
27	Transcriptional Profiling of the Protein Phosphatase 2C Family in Yeast Provides Insights into the Unique Functional Roles of Ptc1. <i>Journal of Biological Chemistry</i> , 2006, 281, 35057-35069.	3.4	59
28	Heterologous Expression Implicates a GATA Factor in Regulation of Nitrogen Metabolic Genes and Ion Homeostasis in the Halotolerant Yeast <i>Debaryomyces hansenii</i> . <i>Eukaryotic Cell</i> , 2006, 5, 1388-1398.	3.4	18
29	Signaling Alkaline pH Stress in the Yeast <i>Saccharomyces cerevisiae</i> through the Wsc1 Cell Surface Sensor and the Slr2 MAPK Pathway. <i>Journal of Biological Chemistry</i> , 2006, 281, 39785-39795.	3.4	107
30	Molecular Dissection of a Yeast Septin: Distinct Domains Are Required for Septin Interaction, Localization, and Function. <i>Molecular and Cellular Biology</i> , 2003, 23, 2762-2777.	2.3	170
31	Bud-site selection and cell polarity in budding yeast. <i>Current Opinion in Microbiology</i> , 2002, 5, 179-186.	5.1	147
32	Global Analysis of Protein Activities Using Proteome Chips. <i>Science</i> , 2001, 293, 2101-2105.	12.6	2,082
33	Peroxovanadate induces tyrosine phosphorylation of phosphoinositide-dependent protein kinase-1. <i>FEBS Journal</i> , 2000, 267, 6642-6649.	0.2	46
34	Analysis of yeast protein kinases using protein chips. <i>Nature Genetics</i> , 2000, 26, 283-289.	21.4	810
35	Identification of a pocket in the PDK1 kinase domain that interacts with PIF and the C-terminal residues of PKA. <i>EMBO Journal</i> , 2000, 19, 979-988.	7.8	285
36	The <i>Arabidopsis thaliana</i> PPX/PP4 phosphatases: molecular cloning and structural organization of the genes and immunolocalization of the proteins to plastids. <i>Plant Molecular Biology</i> , 2000, 44, 499-511.	3.9	15

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37	A 3-Phosphoinositide-dependent Protein Kinase-1 (PDK1) Docking Site Is Required for the Phosphorylation of Protein Kinase C $\alpha$ (PKC $\alpha$ ) and PKC-related Kinase 2 by PDK1. <i>Journal of Biological Chemistry</i> , 2000, 275, 20806-20813.	3.4	167
38	Functional counterparts of mammalian protein kinases PDK1 and SGK in budding yeast. <i>Current Biology</i> , 1999, 9, 186-S4.	3.9	255
39	PDK1 acquires PDK2 activity in the presence of a synthetic peptide derived from the carboxyl terminus of PRK2. <i>Current Biology</i> , 1999, 9, 393-404.	3.9	434
40	Characterisation of a plant 3-phosphoinositide-dependent protein kinase-1 homologue which contains a pleckstrin homology domain. <i>FEBS Letters</i> , 1999, 451, 220-226.	2.8	123
41	Role of phosphatidylinositol 3,4,5-trisphosphate in regulating the activity and localization of 3-phosphoinositide-dependent protein kinase-1. <i>Biochemical Journal</i> , 1999, 337, 575-583.	3.7	352
42	Role of phosphatidylinositol 3,4,5-trisphosphate in regulating the activity and localization of 3-phosphoinositide-dependent protein kinase-1. <i>Biochemical Journal</i> , 1999, 337, 575.	3.7	126
43	Phosphorylation of Ser-241 is essential for the activity of 3-phosphoinositide-dependent protein kinase-1: identification of five sites of phosphorylation in vivo. <i>Biochemical Journal</i> , 1999, 342, 287-292.	3.7	304
44	A possible mechanism by which Protein Kinase B is phosphorylated at Ser473. <i>Biochemical Society Transactions</i> , 1999, 27, A73-A73.	3.4	0
45	A possible mechanism by which Protein Kinase B is phosphorylated at Ser473. <i>Biochemical Society Transactions</i> , 1999, 27, A106-A106.	3.4	0
46	Phosphorylation of Ser-241 is essential for the activity of 3-phosphoinositide-dependent protein kinase-1: identification of five sites of phosphorylation in vivo. <i>Biochemical Journal</i> , 1999, 342, 287.	3.7	108
47	Molecular cloning and characterization of two phosphatase 2A catalytic subunit genes from <i>Arabidopsis thaliana</i> . <i>Gene</i> , 1998, 209, 105-112.	2.2	21
48	3-Phosphoinositide-dependent protein kinase-1 (PDK1): structural and functional homology with the <i>Drosophila</i> DSTPK61 kinase. <i>Current Biology</i> , 1997, 7, 776-789.	3.9	691
49	Regulation of Salt Tolerance in Fission Yeast by a Protein-Phosphatase-Z-Like Ser/Thr Protein Phosphatase. <i>FEBS Journal</i> , 1997, 250, 476-483.	0.2	29
50	Analysis of the DNA sequence of a 15,500 bp fragment near the left telomere of chromosome XV from <i>Saccharomyces cerevisiae</i> reveals a putative sugar transporter, a carboxypeptidase homologue and two new open reading frames. <i>Yeast</i> , 1996, 12, 709-714.	1.7	4
51	Sequence analysis of a 13.4 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. <i>Yeast</i> , 1996, 12, 1013-1020.	1.7	6
52	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 glycopospholipid-anchored surface protein and six other open reading frames. <i>Yeast</i> , 1996, 12, 1053-1058.	1.7	4
53	XV. Yeast sequencing reports. Sequence analysis of a 9873 bp fragment of the left arm of yeast chromosome XV that contains the ARG8 and CDC33 genes, a putative riboflavin synthase beta chain gene, and four new open reading frames. <i>Yeast</i> , 1995, 11, 1061-1067.	1.7	6
54	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. <i>Yeast</i> , 1995, 11, 1281-1288.	1.7	14

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55	Molecular characterization of a fourth isoform of the catalytic subunit of protein phosphatase 2A from <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 1994, 26, 523-528.	3.9	39
56	Identification and molecular cloning of two homologues of protein phosphatase X from <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 1993, 23, 1177-1185.	3.9	24
57	The PPZ protein phosphatases are involved in the maintenance of osmotic stability of yeast cells. <i>FEBS Letters</i> , 1993, 318, 282-286.	2.8	87
58	The gene DIS2S1 is essential in <i>Saccharomyces cerevisiae</i> and is involved in glycogen phosphorylase activation. <i>Current Genetics</i> , 1991, 19, 339-342.	1.7	47
59	Functional mapping of the N-terminal region of the yeast moonlighting protein Sis2/Hal3 reveals crucial residues for Ppz1 regulation. <i>FEBS Journal</i> , 0, , .	4.7	1