

# JosÃ© Canales

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6175067/publications.pdf>

Version: 2024-02-01

32  
papers

325  
citations

933447

10  
h-index

888059

17  
g-index

32  
all docs

32  
docs citations

32  
times ranked

268  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rat liver nucleoside diphosphosugar or diphosphoalcohol pyrophosphatases different from nucleotide pyrophosphatase or phosphodiesterase I: substrate specificities of Mg <sup>2+</sup> - and/or Mn <sup>2+</sup> -dependent hydrolases acting on ADP-ribose. <i>BBA - Proteins and Proteomics</i> , 1995, 1246, 167-177.	2.1	47
2	Diadenosine tetraphosphate activates cytosol 5'-nucleotidase. <i>Biochemical and Biophysical Research Communications</i> , 1986, 138, 261-267.	2.1	33
3	Rat liver mitochondrial ADP-ribose pyrophosphatase in the matrix space with low Km for free ADP-ribose. <i>Biochemical Journal</i> , 1994, 299, 679-682.	3.7	30
4	Specific ADP-ribose pyrophosphatase from <i>Artemia</i> cysts and rat liver: effects of nitroprusside, fluoride and ionic strength. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1996, 1290, 121-127.	2.4	21
5	Enzymic formation of riboflavin 4,5-cyclic phosphate from FAD: evidence for a specific low-Km FMN cyclase in rat liver1. <i>Biochemical Journal</i> , 1998, 330, 881-888.	3.7	18
6	Bifunctional Homodimeric Triokinase/FMN Cyclase. <i>Journal of Biological Chemistry</i> , 2014, 289, 10620-10636.	3.4	17
7	CDP-Alcohol Hydrolase, a Very Efficient Activity of the 5'-Nucleotidase/UDP-Sugar Hydrolase Encoded by the <i>ushA</i> Gene of <i>Yersinia intermedia</i> and <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2008, 190, 6153-6161.	2.2	15
8	Mn <sup>2+</sup> -dependent ADP-ribose/CDP-alcohol pyrophosphatase: a novel metallophosphoesterase family preferentially expressed in rodent immune cells. <i>Biochemical Journal</i> , 2008, 413, 103-113.	3.7	13
9	Inhibition of ADP-Ribose Pyrophosphatase-I by Nitric Oxide-Generating Systems: A Mechanism Linking Nitric Oxide to Processes Dependent on Free ADP-Ribose. <i>Biochemical and Biophysical Research Communications</i> , 1995, 213, 1075-1081.	2.1	12
10	The Characterization of <i>Escherichia coli</i> CpdB as a Recombinant Protein Reveals that, besides Having the Expected 3'-Nucleotidase and 2',3'-Cyclic Mononucleotide Phosphodiesterase Activities, It Is Also Active as Cyclic Dinucleotide Phosphodiesterase. <i>PLoS ONE</i> , 2016, 11, e0157308.	2.5	11
11	Purification, Characterization, and Substrate and Inhibitor Structure-Activity Studies of Rat Liver FAD-AMP Lyase (Cyclizing): A Preference for FAD and Specificity for Splitting Ribonucleoside Diphosphate-X into Ribonucleotide and a Five-Atom Cyclic Phosphodiester of X, either a Monocyclic Compound or acis-Bicyclic Phosphodiester-Pyranose Fusion. <i>Biochemistry</i> , 2001, 40, 13710-13722.	2.5	10
12	Hydrolysis of the phosphoanhydride linkage of cyclic ADP-ribose by the Mn <sup>2+</sup> -dependent ADP-ribose/CDP-alcohol pyrophosphatase. <i>FEBS Letters</i> , 2009, 583, 1593-1598.	2.8	10
13	Preparation of Riboflavin 4,5-Cyclic Phosphate by Incubation of Flavin-adenine Dinucleotide with Mn <sup>2+</sup> in the Absence of Riboflavin 5'-Phosphate Cyclase. <i>Analytical Biochemistry</i> , 1999, 268, 409-411.	2.4	9
14	Fluorimetric HPLC detection of endogenous riboflavin 4,5-cyclic phosphate in rat liver at nanomolar concentrations. <i>Analytical Biochemistry</i> , 2005, 341, 214-219.	2.4	9
15	Purification to homogeneity of rat liver dinucleoside tetraphosphatase by affinity elution with adenosine 5'-tetraphosphate. <i>Journal of Proteomics</i> , 1990, 21, 25-33.	2.4	8
16	Dinucleoside tetraphosphatase from human blood cells. <i>FEBS Letters</i> , 1991, 287, 85-88.	2.8	8
17	Cytosol 5'-nucleotidase from <i>Artemia</i> embryos. Purification and properties. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1987, 86, 49-53.	0.2	7
18	Enzyme Characterization of Pro-virulent SntA, a Cell Wall-Anchored Protein of <i>Streptococcus suis</i> , With Phosphodiesterase Activity on cyclic-di-AMP at a Level Suited to Limit the Innate Immune System. <i>Frontiers in Microbiology</i> , 2022, 13, 843068.	3.5	7

#	ARTICLE	IF	CITATIONS
19	Molecular Dissection of Escherichia coli CpdB: Roles of the N Domain in Catalysis and Phosphate Inhibition, and of the C Domain in Substrate Specificity and Adenosine Inhibition. International Journal of Molecular Sciences, 2021, 22, 1977.	4.1	6
20	Characterization of Danio rerio Mn <sup>2+</sup> -Dependent ADP-Ribose/CDP-Alcohol Diphosphatase, the Structural Prototype of the ADPRibase-Mn-Like Protein Family. PLoS ONE, 2012, 7, e42249.	2.5	6
21	Identification of Rat Liver Glucose-3-phosphatase as an Inositol Monophosphatase Inhibited by Lithium. Archives of Biochemistry and Biophysics, 1997, 343, 27-34.	3.0	5
22	Presence of diguanosine tri-, tetra-, and pentaphosphates in commercial samples of GTP and guanosine 5'-tetraphosphate. Analytical Biochemistry, 1988, 171, 389-392.	2.4	4
23	Use of potato tuber nucleotide pyrophosphatase to synthesize adenosine 5'-monophosphate methyl ester: Evidence that the solvolytic preferences of the enzyme are regulated by pH and temperature. , 1998, 59, 62-67.		4
24	Detection of specific glucose-3-phosphatase activity in rat liver. FEBS Letters, 1994, 339, 55-58.	2.8	3
25	Molecular Bases of Catalysis and ADP-Ribose Preference of Human Mn <sup>2+</sup> -Dependent ADP-Ribose/CDP-Alcohol Diphosphatase and Conversion by Mutagenesis to a Preferential Cyclic ADP-Ribose Phosphohydrolase. PLoS ONE, 2015, 10, e0118680.	2.5	3
26	Occurrence of adenosine 2',5'-bisphosphate in rat liver. Biochimica Et Biophysica Acta - General Subjects, 1986, 881, 276-280.	2.4	2
27	The simulated purification of an enzyme as a "dry" practical within an introductory course of biochemistry. Biochemical Education, 2000, 28, 148-153.	0.1	2
28	Nucleotide ester-forming alcoholytic activities of nucleotide pyrophosphatases: implications for practical biotransformation, enzyme mechanisms and biological function. Journal of Molecular Catalysis B: Enzymatic, 2001, 11, 469-485.	1.8	2
29	Specific cyclic ADP-ribose phosphohydrolase obtained by mutagenic engineering of Mn <sup>2+</sup> -dependent ADP-ribose/CDP-alcohol diphosphatase. Scientific Reports, 2018, 8, 1036.	3.3	2
30	IMP dehydrogenase from Artemia embryos: Molecular forms, purification and properties. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1985, 81, 837-844.	0.2	1
31	Presence of two isozymes of adenylosuccinate synthetase in Artemia salina embryos. Purification and properties. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1983, 75, 221-226.	0.2	0
32	Adenosine deaminase isozymes in Artemia. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1984, 78, 481-484.	0.2	0