JosÃ© Canales

List of Publications by Year
in descending order

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32	325	933447	888059
papers	citations	10	17
		h-index	g-index

32	32	32	268
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enzyme Characterization of Pro-virulent SntA, a Cell Wall-Anchored Protein of Streptococcus suis, With Phosphodiesterase Activity on cyclic-di-AMP at a Level Suited to Limit the Innate Immune System. Frontiers in Microbiology, 2022, 13, 843068.	3.5	7
2	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
3	Specific cyclic ADP-ribose phosphohydrolase obtained by mutagenic engineering of Mn2+-dependent ADP-ribose/CDP-alcohol diphosphatase. Scientific Reports, 2018, 8, 1036.	3.3	2
4	The Characterization of Escherichia coli CpdB as a Recombinant Protein Reveals that, besides Having the Expected 3Â´-Nucleotidase and 2Â´,3Â´-Cyclic Mononucleotide Phosphodiesterase Activities, It Is Also Active as Cyclic Dinucleotide Phosphodiesterase. PLoS ONE, 2016, 11, e0157308.	2.5	11
5	Molecular Bases of Catalysis and ADP-Ribose Preference of Human Mn2+-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
6	Bifunctional Homodimeric Triokinase/FMN Cyclase. Journal of Biological Chemistry, 2014, 289, 10620-10636.	3.4	17
7	Characterization of Danio rerio Mn2+-Dependent ADP-Ribose/CDP-Alcohol Diphosphatase, the Structural Prototype of the ADPRibase-Mn-Like Protein Family. PLoS ONE, 2012, 7, e42249.	2.5	6
8	Hydrolysis of the phosphoanhydride linkage of cyclic ADPâ€ribose by the Mn²⁺â€dependent ADPâ€ribose/CDPâ€alcohol pyrophosphatase. FEBS Letters, 2009, 583, 1593-1598.	2.8	10
9	CDP-Alcohol Hydrolase, a Very Efficient Activity of the 5â€²-Nucleotidase/UDP-Sugar Hydrolase Encoded by the ushA Gene of Yersinia intermedia and Escherichia coli. Journal of Bacteriology, 2008, 190, 6153-6161.	2.2	15
10	Mn2+-dependent ADP-ribose/CDP-alcohol pyrophosphatase: a novel metallophosphoesterase family preferentially expressed in rodent immune cells. Biochemical Journal, 2008, 413, 103-113.	3.7	13
11	Fluorimetric HPLC detection of endogenous riboflavin 4â€²,5â€²-cyclic phosphate in rat liver at nanomolar concentrations. Analytical Biochemistry, 2005, 341, 214-219.	2.4	9
12	Purification, Characterization, and Substrate and Inhibitor Structureâ^'Activity Studies of Rat Liver FAD-AMP Lyase (Cyclizing):Â 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 Phosphodiesterâ^'Pyranose Fusionâ€. Biochemistry, 2001, 40, 13710-13722.	2.5	10
13	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
14	The simulated purification of an enzyme as a `dryâ€™ practical within an introductory course of biochemistry. Biochemical Education, 2000, 28, 148-153.	0.1	2
15	Preparation of Riboflavin 4â€²,5â€²-Cyclic Phosphate by Incubation of Flavin-adenine Dinucleotide with Mn2+in the Absence of Riboflavin 5â€²-Phosphate Cyclase. Analytical Biochemistry, 1999, 268, 409-411.	2.4	9
16	Use of potato tuber nucleotide pyrophosphatase to synthesize adenosine 5â€²-monophosphate methyl ester: Evidence that the solvolytic preferences of the enzyme are regulated by pH and temperature. , 1998, 59, 62-67.		4
17	Enzymic formation of riboflavin 4â€²,5â€²-cyclic phosphate from FAD: evidence for a specific low-Km FMN cyclase in rat liver1. Biochemical Journal, 1998, 330, 881-888.	3.7	18
18	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

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19	Specific ADP-ribose pyrophosphatase from Artemia cysts and rat liver: effects of nitroprusside, fluoride and ionic strength. Biochimica Et Biophysica Acta - General Subjects, 1996, 1290, 121-127.	2.4	21
20	Rat liver nucleoside diphosphosugar or diphosphoalcohol pyrophosphatases different from nucleotide pyrophosphatase or phosphodiesterase I: substrate specificities of Mg2+- and/or Mn2+-dependent hydrolases acting on ADP-ribose. BBA - Proteins and Proteomics, 1995, 1246, 167-177.	2.1	47
21	Inhibition of ADP-Ribose Pyrophosphatase-I by Nitric Oxide-Generating Systems: A Mechanism Linking Nitric Oxide to Processes Dependent on Free ADP-Ribose. Biochemical and Biophysical Research Communications, 1995, 213, 1075-1081.	2.1	12
22	Detection of specific glucose-3-phosphatase activity in rat liver. FEBS Letters, 1994, 339, 55-58.	2.8	3
23	Rat liver mitochondrial ADP-ribose pyrophosphatase in the matrix space with low Km for free ADP-ribose. Biochemical Journal, 1994, 299, 679-682.	3.7	30
24	Dinucleoside tetraphosphatase from human blood cells. FEBS Letters, 1991, 287, 85-88.	2.8	8
25	Purification to homogeneity of rat liver dinucleoside tetraphosphatase by affinity elution with adenosine 5â€²-tetraphosphate. Journal of Proteomics, 1990, 21, 25-33.	2.4	8
26	Presence of diguanosine tri-, tetra-, and pentaphosphates in commercial samples of GTP and guanosine 5â€²-tetraphosphate. Analytical Biochemistry, 1988, 171, 389-392.	2.4	4
27	Cytosol 5â€²-nucleotidase from Artemia embryos. Purification and properties. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1987, 86, 49-53.	0.2	7
28	Diadenosine tetraphosphate activates cytosol 5â€²-nucleotidase. Biochemical and Biophysical Research Communications, 1986, 138, 261-267.	2.1	33
29	Occurrence of adenosine 2â€²,5â€²-bisphosphate in rat liver. Biochimica Et Biophysica Acta - General Subjects, 1986, 881, 276-280.	2.4	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	Adenosine deaminase isozymes in Artemia. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1984, 78, 481-484.	0.2	0
32	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