Bjarne Hove-Jensen

List of Publications by Year
in descending order

37	1,347	257450 24	345221 36
papers	citations	h-index	g-index

38	38	38	1141
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Prodigal Compound: Return of Ribosyl 1,5-Bisphosphate as an Important Player in Metabolism. Microbiology and Molecular Biology Reviews, 2019, 83, .	6.6	2
2	The Abc of Phosphonate Breakdown: A Mechanism for Bacterial Survival. BioEssays, 2018, 40, e1800091.	2.5	28
3	Methylphosphonic Acid Biosynthesis and Catabolism in Pelagic Archaea and Bacteria. Methods in Enzymology, 2018, 605, 351-426.	1.0	11
4	Phosphoribosyl Diphosphate (PRPP): Biosynthesis, Enzymology, Utilization, and Metabolic Significance. Microbiology and Molecular Biology Reviews, 2017, 81, .	6.6	131
5	Structure of dimeric, recombinant Sulfolobus solfataricus phosphoribosyl diphosphate synthase: a bent dimer defining the adenine specificity of the substrate ATP. Extremophiles, 2015, 19, 407-415.	2.3	3
6	Structural insights into the bacterial carbonâ€“phosphorus lyase machinery. Nature, 2015, 525, 68-72.	27.8	63
7	Utilization of Glyphosate as Phosphate Source: Biochemistry and Genetics of Bacterial Carbon-Phosphorus Lyase. Microbiology and Molecular Biology Reviews, 2014, 78, 176-197.	6.6	158
8	Catabolism and Detoxification of 1-Aminoalkylphosphonic Acids: N-Acetylation by the phnO Gene Product. PLoS ONE, 2012, 7, e46416.	2.5	32
9	Physiological Role ofphnP-specified Phosphoribosyl Cyclic Phosphodiesterase in Catabolism of Organophosphonic Acids by the Carbonâ"Phosphorus Lyase Pathway. Journal of the American Chemical Society, 2011, 133, 3617-3624.	13.7	48
10	Structure and Mechanism of PhnP, a Phosphodiesterase of the Carbon-Phosphorus Lyase Pathway. Biochemistry, 2011, 50, 8603-8615.	2.5	26
11	Five phosphonate operon gene products as components of a multi-subunit complex of the carbon-phosphorus lyase pathway. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11393-11398.	7.1	60
12	Accumulation of Intermediates of the Carbon-Phosphorus Lyase Pathway for Phosphonate Degradation in phn Mutants of Escherichia coli. Journal of Bacteriology, 2010, 192, 370-374.	2.2	29
13	Structure of PhnP, a Phosphodiesterase of the Carbon-Phosphorus Lyase Pathway for Phosphonate Degradation. Journal of Biological Chemistry, 2009, 284, 17216-17226.	3.4	34
14	Expression, purification and preliminary diffraction studies of PhnP. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 554-557.	0.7	10
15	Implications of secondary structure prediction and amino acid sequence comparison of class I and class II phosphoribosyl diphosphate synthases on catalysis, regulation, and quaternary structure. Protein Science, 2008, 10, 2317-2324.	7.6	22
16	Two-step method for curing Escherichia coli of ColE1-derived plasmids. Journal of Microbiological Methods, 2008, 72, 208-213.	1.6	6
17	Crystal Structure of PhnH: an Essential Component of Carbon-Phosphorus Lyase in Escherichia coli. Journal of Bacteriology, 2008, 190, 1072-1083.	2.2	34
18	Nucleotides, Nucleosides, and Nucleobases. EcoSal Plus, 2008, 3, .	5.4	49

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19	Catalytic residues Lys197 and Arg199 of Bacillus subtilis phosphoribosyl diphosphate synthase. Alanine-scanning mutagenesis of the flexible catalytic loop. FEBS Journal, 2005, 272, 3631-3639.	4.7	17
20	Novel Class III Phosphoribosyl Diphosphate Synthase: Structure and Properties of the Tetrameric, Phosphate-activated, Non-allosterically Inhibited Enzyme from Methanocaldococcus jannaschii. Journal of Molecular Biology, 2005, 354, 815-828.	4.2	36
21	Heterooligomeric Phosphoribosyl Diphosphate Synthase of Saccharomyces cerevisiae. Journal of Biological Chemistry, 2004, 279, 40345-40350.	3.4	14
22	Surface exposed amino acid differences between mesophilic and thermophilic phosphoribosyl diphosphate synthase. FEBS Journal, 2004, 271, 4526-4533.	0.2	10
23	Escherichia coli phnN , Encoding Ribose 1,5-Bisphosphokinase Activity (Phosphoribosyl Diphosphate) Tj ETQq1 1 0.784314 rgBT /Over Bacteriology, 2003, 185, 2793-2801.	2.2	54
24	Class II Recombinant Phosphoribosyl Diphosphate Synthase from Spinach. Journal of Biological Chemistry, 2001, 276, 17851-17856.	3.4	30
25	Steady State Kinetic Model for the Binding of Substrates and Allosteric Effectors to Escherichia coliPhosphoribosyl-diphosphate Synthase. Journal of Biological Chemistry, 2000, 275, 35408-35412.	3.4	42
26	Organellar and Cytosolic Localization of Four Phosphoribosyl Diphosphate Synthase Isozymes in Spinach. Plant Physiology, 1999, 119, 497-506.	4.8	55
27	Genetic Analysis and Enzyme Activity Suggest the Existence of More Than One Minimal Functional Unit Capable of Synthesizing Phosphoribosyl Pyrophosphate in Saccharomyces cerevisiae. Journal of Biological Chemistry, 1999, 274, 12480-12487.	3.4	30
28	Cloning and sequencing of cDNAs specifying a novel class of phosphoribosyl diphosphate synthase in Arabidopsis thaliana. BBA - Proteins and Proteomics, 1999, 1430, 403-408.	2.1	32
29	Binding of Divalent Magnesium byEscherichia coliPhosphoribosyl Diphosphate Synthetase. Biochemistry, 1997, 36, 5078-5083.	2.5	26
30	Effects of Mutagenesis of Aspartic Acid Residues in the Putative Phosphoribosyl Diphosphate Binding Site ofEscherichia coliPhosphoribosyl Diphosphate Synthetase on Metal Ion Specificity and Ribose 5-Phosphate Bindingâ€. Biochemistry, 1996, 35, 8181-8186.	2.5	18
31	The defective phosphoribosyl diphosphate synthase in a temperature-sensitive prs-2 mutant of Escherichia coli is compensated by increased enzyme synthesis. Microbiology (United Kingdom), 1996, 142, 359-365.	1.8	16
32	Are all four yeast PRS genes essential?. Biochemical Society Transactions, 1995, 23, 621S-621S.	3.4	6
33	Inactivation of Escherichia coli Phosphoribosylpyrophosphate Synthetase by the 2â€²,3â€²-Dialdehyde Derivative of ATP. Journal of Biological Chemistry, 1995, 270, 20730-20736.	3.4	19
34	Purification and properties of phosphoribosyl-diphosphate synthetase from Bacillus subtilis. FEBS Journal, 1990, 192, 195-200.	0.2	69
35	Primary structure of the tms and prs genes of Bacillus subtilis. Molecular Genetics and Genomics, 1989, 218, 565-571.	2.4	47
36	Phosphoribosylpyrophosphate synthetase of Bacillus subtilis. Cloning, characterization and chromosomal mapping of the prs gene. Gene, 1987, 53, 247-255.	2.2	37

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37	Phosphoribosylpyrophosphate Synthetase of Escherichia coli. FEBS Journal, 1982, 126, 327-332.	0.2	43