

Alberto A Iglesias

List of Publications by Year in descending order

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146
papers

3,972
citations

147801

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times ranked

3064
citing authors

#	ARTICLE	IF	CITATIONS
1	The ADP-glucose pyrophosphorylase from Melainabacteria: a comparative study between photosynthetic and non-photosynthetic bacterial sources. <i>Biochimie</i> , 2022, 192, 30-37.	2.6	3
2	Structure, function, and evolution of plant ADP-glucose pyrophosphorylase. <i>Plant Molecular Biology</i> , 2022, 108, 307-323.	3.9	23
3	Structural Determinants of Sugar Alcohol Biosynthesis in Plants: The Crystal Structures of Mannose-6-Phosphate and Aldose-6-Phosphate Reductases. <i>Plant and Cell Physiology</i> , 2022, 63, 658-670.	3.1	1
4	Functional characterization of monothiol and dithiol glutaredoxins from <i>Leptospira interrogans</i> . <i>Biochimie</i> , 2022, 197, 144-159.	2.6	3
5	Carbohydrate Metabolism in Bacteria: Alternative Specificities in ADP-Glucose Pyrophosphorylases Open Novel Metabolic Scenarios and Biotechnological Tools. <i>Frontiers in Microbiology</i> , 2022, 13, 867384.	3.5	2
6	Site-directed mutagenesis of Serine72 reveals the location of the fructose 6-phosphate regulatory site of the <i>Agrobacterium tumefaciens</i> ADP-glucose pyrophosphorylase. <i>Protein Science</i> , 2022, 31, .	7.6	0
7	Functional characterization of methionine sulfoxide reductases from <i>Leptospira interrogans</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2021, 1869, 140575.	2.3	1
8	Proteolytic cleavage of <i>Arabidopsis thaliana</i> phosphoenolpyruvate carboxykinase-1 modifies its allosteric regulation. <i>Journal of Experimental Botany</i> , 2021, 72, 2514-2524.	4.8	6
9	Elucidating carbohydrate metabolism in <i>Euglena gracilis</i> : Reverse genetics-based evaluation of genes coding for enzymes linked to paramylon accumulation. <i>Biochimie</i> , 2021, 184, 125-131.	2.6	9
10	Nucleotide-sugar metabolism in plants: the legacy of Luis F. Leloir. <i>Journal of Experimental Botany</i> , 2021, 72, 4053-4067.	4.8	17
11	TyrAsp inhibition of glyceraldehyde 3-phosphate dehydrogenase affects plant redox metabolism. <i>EMBO Journal</i> , 2021, 40, e106800.	7.8	29
12	Simultaneous inhibition of PFKFB3 and GLS1 selectively kills KRAS-transformed pancreatic cells. <i>Biochemical and Biophysical Research Communications</i> , 2021, 571, 118-124.	2.1	6
13	On the functionality of the N-terminal domain in xylanase 10A from <i>Ruminococcus albus</i> 8. <i>Enzyme and Microbial Technology</i> , 2020, 142, 109673.	3.2	3
14	On the functionality of a methionine sulfoxide reductase B from <i>Trypanosoma cruzi</i> . <i>Free Radical Biology and Medicine</i> , 2020, 158, 96-114.	2.9	4
15	Phosphorylation of ADP-Glucose Pyrophosphorylase During Wheat Seeds Development. <i>Frontiers in Plant Science</i> , 2020, 11, 1058.	3.6	23
16	Glucosamine-P and rhodococcal ADP-glucose pyrophosphorylases: A hint to (re)discover (actino)bacterial amino sugar metabolism. <i>Biochimie</i> , 2020, 176, 158-161.	2.6	7
17	Biochemical characterization of recombinant UDP-sugar pyrophosphorylase and galactinol synthase from <i>Brachypodium distachyon</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 155, 780-788.	5.8	3
18	PFKFB2 regulates glycolysis and proliferation in pancreatic cancer cells. <i>Molecular and Cellular Biochemistry</i> , 2020, 470, 115-129.	3.1	29

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19	On the simultaneous activation of <i>Agrobacterium tumefaciens</i> ADP-glucose pyrophosphorylase by pyruvate and fructose 6-phosphate. <i>Biochimie</i> , 2020, 171-172, 23-30.	2.6	6
20	First evidence of glutathione metabolism in <i>Leptospira interrogans</i> . <i>Free Radical Biology and Medicine</i> , 2019, 143, 366-374.	2.9	5
21	Biochemical characterization of phosphoenolpyruvate carboxykinases from <i>Arabidopsis thaliana</i> . <i>Biochemical Journal</i> , 2019, 476, 2939-2952.	3.7	13
22	New pieces to the carbon metabolism puzzle of <i>Nitrosomonas europaea</i> : Kinetic characterization of glyceraldehyde-3 phosphate and succinate semialdehyde dehydrogenases. <i>Biochimie</i> , 2019, 158, 238-245.	2.6	3
23	Cofactor Specificity Switch on Peach Glucitol Dehydrogenase. <i>Biochemistry</i> , 2019, 58, 1287-1294.	2.5	1
24	Mapping of a Regulatory Site of the <i>Escherichia coli</i> ADP-Glucose Pyrophosphorylase. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 89.	3.5	9
25	Heterologous expression and kinetic characterization of the $\hat{1}\pm$, $\hat{1}^2$ and $\hat{1}\pm\hat{1}^2$ blend of the PPI-dependent phosphofructokinase from <i>Citrus sinensis</i> . <i>Plant Science</i> , 2019, 280, 348-354.	3.6	7
26	Structural analysis reveals a pyruvate-binding activator site in the <i>Agrobacterium tumefaciens</i> ADP-glucose pyrophosphorylase. <i>Journal of Biological Chemistry</i> , 2019, 294, 1338-1348.	3.4	11
27	Starch Synthesis in <i>Ostreococcus tauri</i> : The Starch-Binding Domains of Starch Synthase III-B Are Essential for Catalytic Activity. <i>Frontiers in Plant Science</i> , 2018, 9, 1541.	3.6	9
28	Resurrecting the Regulatory Properties of the <i>Ostreococcus tauri</i> ADP-Glucose Pyrophosphorylase Large Subunit. <i>Frontiers in Plant Science</i> , 2018, 9, 1564.	3.6	9
29	On the Roles of Wheat Endosperm ADP-Glucose Pyrophosphorylase Subunits. <i>Frontiers in Plant Science</i> , 2018, 9, 1498.	3.6	13
30	Elucidating paramylon and other carbohydrate metabolism in <i>Euglena gracilis</i> : Kinetic characterization, structure and cellular localization of UDP-glucose pyrophosphorylase. <i>Biochimie</i> , 2018, 154, 176-186.	2.6	8
31	Regulatory Properties of the ADP-Glucose Pyrophosphorylase from the Clostridial Firmicutes Member <i>Ruminococcus albus</i> . <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	14
32	A fluorometric method for the assay of protein kinase activity. <i>Analytical Biochemistry</i> , 2018, 557, 120-122.	2.4	10
33	Identification and characterization of a novel starch branching enzyme from the picoalgae <i>Ostreococcus tauri</i> . <i>Archives of Biochemistry and Biophysics</i> , 2017, 618, 52-61.	3.0	11
34	The Production and Utilization of GDP-glucose in the Biosynthesis of Trehalose 6-Phosphate by <i>Streptomyces venezuelae</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 945-954.	3.4	13
35	Identification of a novel starch synthase III from the picoalgae <i>Ostreococcus tauri</i> . <i>Biochimie</i> , 2017, 133, 37-44.	2.6	10
36	On the stability of nucleoside diphosphate glucose metabolites: implications for studies of plant carbohydrate metabolism. <i>Journal of Experimental Botany</i> , 2017, 68, 3331-3337.	4.8	10

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37	Cytosolic Glyceraldehyde-3-Phosphate Dehydrogenase Is Phosphorylated during Seed Development. <i>Frontiers in Plant Science</i> , 2017, 8, 522.	3.6	37
38	Allosteric Control of Substrate Specificity of the Escherichia coli ADP-Glucose Pyrophosphorylase. <i>Frontiers in Chemistry</i> , 2017, 5, 41.	3.6	11
39	Monofluorophosphate Blocks Internal Polysaccharide Synthesis in <i>Streptococcus mutans</i> . <i>PLoS ONE</i> , 2017, 12, e0170483.	2.5	6
40	On the Kinetic and Allosteric Regulatory Properties of the ADP-Glucose Pyrophosphorylase from <i>Rhodococcus jostii</i> : An Approach to Evaluate Glycogen Metabolism in Oleaginous Bacteria. <i>Frontiers in Microbiology</i> , 2016, 7, 830.	3.5	21
41	Inhibition of Recombinant Aldose-6-Phosphate Reductase from Peach Leaves by Hexose-Phosphates, Inorganic Phosphate and Oxidants. <i>Plant and Cell Physiology</i> , 2016, 58, pcw180.	3.1	9
42	Functional thioredoxin reductase from pathogenic and free-living <i>Leptospira</i> spp.. <i>Free Radical Biology and Medicine</i> , 2016, 97, 1-13.	2.9	7
43	A sunflower WRKY transcription factor stimulates the mobilization of seed-stored reserves during germination and post-germination growth. <i>Plant Cell Reports</i> , 2016, 35, 1875-1890.	5.6	27
44	The sunflower transcription factor HaHB11 improves yield, biomass and tolerance to flooding in transgenic <i>Arabidopsis</i> plants. <i>Journal of Biotechnology</i> , 2016, 222, 73-83.	3.8	42
45	Carbon Photoassimilation and Photosynthate Partitioning in Plants. <i>Books in Soils, Plants, and the Environment</i> , 2016, , 509-535.	0.1	2
46	On the Ancestral UDP-Glucose Pyrophosphorylase Activity of GalF from <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 1253.	3.5	12
47	The Crystal Structure of <i>Nitrosomonas europaea</i> Sucrose Synthase Reveals Critical Conformational Changes and Insights into Sucrose Metabolism in Prokaryotes. <i>Journal of Bacteriology</i> , 2015, 197, 2734-2746.	2.2	23
48	New enzymatic pathways for the reduction of reactive oxygen species in <i>Entamoeba histolytica</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1233-1244.	2.4	18
49	Molecular characterization and interactome analysis of <i>Trypanosoma cruzi</i> tryparedoxin II. <i>Journal of Proteomics</i> , 2015, 120, 95-104.	2.4	27
50	The UDP-glucose pyrophosphorylase from <i>Giardia lamblia</i> is redox regulated and exhibits promiscuity to use galactose-1-phosphate. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 88-96.	2.4	16
51	Allosteric regulation of the partitioning of glucose-1-phosphate between glycogen and trehalose biosynthesis in <i>Mycobacterium tuberculosis</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 13-21.	2.4	27
52	Re-Paving the Road Built by Chemistry: A Challenge to Biochemistry and Biotechnology. <i>American Journal of Biochemistry and Biotechnology</i> , 2015, 11, 3-4.	0.4	6
53	A Novel Dual Allosteric Activation Mechanism of <i>Escherichia coli</i> ADP-Glucose Pyrophosphorylase: The Role of Pyruvate. <i>PLoS ONE</i> , 2014, 9, e103888.	2.5	16
54	Redox metabolism in <i>Trypanosoma cruzi</i> . Biochemical characterization of dithiol glutaredoxin dependent cellular pathways. <i>Biochimie</i> , 2014, 106, 56-67.	2.6	24

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55	Kinetic and structural characterization of a typical two-cysteine peroxiredoxin from <i>Leptospira interrogans</i> exhibiting redox sensitivity. <i>Free Radical Biology and Medicine</i> , 2014, 77, 30-40.	2.9	13
56	Biochemical characterization of thioredoxin reductase from <i>Babesia bovis</i> . <i>Biochimie</i> , 2014, 99, 44-53.	2.6	8
57	Glucitol Dehydrogenase from Peach (<i>Prunus persica</i>) Fruits is Regulated by Thioredoxin h. <i>Plant and Cell Physiology</i> , 2014, 55, 1157-1168.	3.1	11
58	Iodine Staining of <i>Escherichia coli</i> Expressing Genes Involved in the Synthesis of Bacterial Glycogen. <i>Bio-protocol</i> , 2014, 4, .	0.4	2
59	The ancestral activation promiscuity of ADP-glucose pyrophosphorylases from oxygenic photosynthetic organisms. <i>BMC Evolutionary Biology</i> , 2013, 13, 51.	3.2	23
60	The ADP-glucose pyrophosphorylase from <i>Streptococcus mutans</i> provides evidence for the regulation of polysaccharide biosynthesis in <i>Firmicutes</i> . <i>Molecular Microbiology</i> , 2013, 90, 1011-1027.	2.5	21
61	The unique nucleotide specificity of the sucrose synthase from <i>Thermosynechococcus elongatus</i> . <i>FEBS Letters</i> , 2013, 587, 165-169.	2.8	24
62	Production and characterization of <i>Escherichia coli</i> glycerol dehydrogenase as a tool for glycerol recycling. <i>Process Biochemistry</i> , 2013, 48, 406-412.	3.7	15
63	Redox metabolism in <i>Trypanosoma cruzi</i> : Functional characterization of tryparedoxins revisited. <i>Free Radical Biology and Medicine</i> , 2013, 63, 65-77.	2.9	46
64	A Differential Redox Regulation of the Pathways Metabolizing Glyceraldehyde-3-Phosphate Tunes the Production of Reducing Power in the Cytosol of Plant Cells. <i>International Journal of Molecular Sciences</i> , 2013, 14, 8073-8092.	4.1	36
65	A Chimeric UDP-Glucose Pyrophosphorylase Produced by Protein Engineering Exhibits Sensitivity to Allosteric Regulators. <i>International Journal of Molecular Sciences</i> , 2013, 14, 9703-9721.	4.1	7
66	Unraveling the Activation Mechanism of the Potato Tuber ADP-Glucose Pyrophosphorylase. <i>PLoS ONE</i> , 2013, 8, e66824.	2.5	16
67	Characterization of Recombinant UDP- and ADP-Glucose Pyrophosphorylases and Glycogen Synthase To Elucidate Glucose-1-Phosphate Partitioning into Oligo- and Polysaccharides in <i>Streptomyces coelicolor</i> . <i>Journal of Bacteriology</i> , 2012, 194, 1485-1493.	2.2	33
68	Insights into Glycogen Metabolism in Chemolithoautotrophic Bacteria from Distinctive Kinetic and Regulatory Properties of ADP-Glucose Pyrophosphorylase from <i>Nitrosomonas europaea</i> . <i>Journal of Bacteriology</i> , 2012, 194, 6056-6065.	2.2	12
69	<i>Entamoeba histolytica</i> thioredoxin reductase: Molecular and functional characterization of its atypical properties. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1859-1866.	2.4	40
70	Plastidic Phosphoglycerate Kinase from <i>Phaeodactylum tricornutum</i> : On the Critical Role of Cysteine Residues for the Enzyme Function. <i>Protist</i> , 2012, 163, 188-203.	1.5	22
71	Redox regulation of UDP-glucose pyrophosphorylase from <i>Entamoeba histolytica</i> . <i>Biochimie</i> , 2011, 93, 260-268.	2.6	24
72	Understanding the allosteric trigger for the fructose-1,6-bisphosphate regulation of the ADP-glucose pyrophosphorylase from <i>Escherichia coli</i> . <i>Biochimie</i> , 2011, 93, 1816-1823.	2.6	31

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73	Structurally Constrained Residues Outside the Binding Motif Are Essential in the Interaction of 14-3-3 and Phosphorylated Partner. <i>Journal of Molecular Biology</i> , 2011, 406, 552-557.	4.2	17
74	Functional characterization of methionine sulfoxide reductase A from <i>Trypanosoma</i> spp.. <i>Free Radical Biology and Medicine</i> , 2011, 50, 37-46.	2.9	31
75	Functional characterization of GDP-mannose pyrophosphorylase from <i>Leptospira interrogans</i> serovar Copenhageni. <i>Archives of Microbiology</i> , 2010, 192, 103-114.	2.2	14
76	Purification and Characterization of a Glutathione Reductase from <i>Phaeodactylum tricornutum</i> . <i>Protist</i> , 2010, 161, 91-101.	1.5	20
77	Bi-national and interdisciplinary course in enzyme engineering. <i>Biochemistry and Molecular Biology Education</i> , 2010, 38, 370-379.	1.2	6
78	Application of response surface methodology and artificial neural networks for optimization of recombinant <i>Oryza sativa</i> non-symbiotic hemoglobin 1 production by <i>Escherichia coli</i> in medium containing byproduct glycerol. <i>Bioresource Technology</i> , 2010, 101, 7537-7544.	9.6	30
79	Cloning, Expression, and Characterization of a Dithiol Glutaredoxin from <i>Trypanosoma cruzi</i> . <i>Antioxidants and Redox Signaling</i> , 2010, 12, 787-792.	5.4	21
80	Aldose-6-phosphate reductase from apple leaves: Importance of the quaternary structure for enzyme activity. <i>Biochimie</i> , 2010, 92, 81-88.	2.6	12
81	Heterologous expression of non-phosphorylating glyceraldehyde-3-phosphate dehydrogenase from <i>Triticum aestivum</i> and <i>Arabidopsis thaliana</i> . <i>Biochimie</i> , 2010, 92, 909-913.	2.6	7
82	Cloning, expression, purification and physical and kinetic characterization of the phosphoenolpyruvate carboxylase from orange (<i>Citrus sinensis</i> osbeck var. Valencia) fruit juice sacs. <i>Plant Science</i> , 2010, 179, 527-535.	3.6	12
83	Immunolocalization and enzymatic functional characterization of the thioredoxin system in <i>Entamoeba histolytica</i> . <i>Free Radical Biology and Medicine</i> , 2008, 45, 32-39.	2.9	28
84	Involvement of non-phosphorylating glyceraldehyde-3-phosphate dehydrogenase in response to oxidative stress. <i>Journal of Plant Physiology</i> , 2008, 165, 456-461.	3.5	38
85	Characterization of <i>Arabidopsis</i> Lines Deficient in GAPC-1, a Cytosolic NAD-Dependent Glyceraldehyde-3-Phosphate Dehydrogenase. <i>Plant Physiology</i> , 2008, 148, 1655-1667.	4.8	115
86	Identification of Regions Critically Affecting Kinetics and Allosteric Regulation of the <i>Escherichia coli</i> ADP-Glucose Pyrophosphorylase by Modeling and Pentapeptide-Scanning Mutagenesis. <i>Journal of Bacteriology</i> , 2007, 189, 5325-5333.	2.2	43
87	Thioredoxin-linked metabolism in <i>Entamoeba histolytica</i> . <i>Free Radical Biology and Medicine</i> , 2007, 42, 1496-1505.	2.9	38
88	Carbon Metabolism in Turfgrasses. <i>Books in Soils, Plants, and the Environment</i> , 2007, , 29-45.	0.1	0
89	On the occurrence of thioredoxin in <i>Trypanosoma cruzi</i> . <i>Acta Tropica</i> , 2006, 97, 151-160.	2.0	25
90	Intrinsic disorder is a key characteristic in partners that bind 14-3-3 proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 63, 35-42.	2.6	103

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91	Carbohydrate metabolism and fruit quality are affected in frost-exposed Valencia orange fruit. <i>Physiologia Plantarum</i> , 2006, 128, 224-236.	5.2	22
92	A colorimetric method for the assay of ADP-glucose pyrophosphorylase. <i>Analytical Biochemistry</i> , 2006, 352, 145-147.	2.4	77
93	Characterization of an <i>Arabidopsis thaliana</i> mutant lacking a cytosolic non-phosphorylating glyceraldehyde-3-phosphate dehydrogenase. <i>Plant Molecular Biology</i> , 2006, 61, 945-957.	3.9	82
94	Domain Swapping between a Cyanobacterial and a Plant Subunit ADP-Glucose Pyrophosphorylase. <i>Plant and Cell Physiology</i> , 2006, 47, 523-530.	3.1	11
95	A model for the interaction between plant GAPN and 14-3-3 using protein-protein docking calculations, electrostatic potentials and kinetics. <i>Journal of Molecular Graphics and Modelling</i> , 2005, 23, 490-502.	2.4	14
96	Photosynthate Formation and Partitioning in Crop Plants. <i>Books in Soils, Plants, and the Environment</i> , 2005, , .	0.1	2
97	ADP-Glucose Pyrophosphorylase: A Regulatory Enzyme for Plant Starch Synthesis. <i>Photosynthesis Research</i> , 2004, 79, 1-24.	2.9	279
98	An assay for adenosine 5'-diphosphate (ADP)-glucose pyrophosphorylase that measures the synthesis of radioactive ADP-glucose with glycogen synthase. <i>Analytical Biochemistry</i> , 2004, 324, 52-59.	2.4	26
99	The ADP-glucose pyrophosphorylase from <i>Escherichia coli</i> comprises two tightly bound distinct domains. <i>FEBS Letters</i> , 2004, 573, 99-104.	2.8	25
100	Ultrasensitive behavior in the synthesis of storage polysaccharides in cyanobacteria. <i>Planta</i> , 2003, 216, 969-975.	3.2	35
101	ADP-Glucose Pyrophosphorylase, a Regulatory Enzyme for Bacterial Glycogen Synthesis. <i>Microbiology and Molecular Biology Reviews</i> , 2003, 67, 213-225.	6.6	242
102	Phosphorylated Non-Phosphorylating Glyceraldehyde-3-Phosphate Dehydrogenase from Heterotrophic Cells of Wheat Interacts with 14-3-3 Proteins. <i>Plant Physiology</i> , 2003, 133, 2081-2088.	4.8	60
103	Characterization of Chimeric ADP-glucose Pyrophosphorylases of <i>Escherichia coli</i> and <i>Agrobacterium tumefaciens</i> . Importance of the C-Terminus on the Selectivity for Allosteric Regulators. <i>Biochemistry</i> , 2002, 41, 9431-9437.	2.5	39
104	Non-phosphorylating glyceraldehyde-3-phosphate dehydrogenase is post-translationally phosphorylated in heterotrophic cells of wheat (<i>Triticum aestivum</i>). <i>FEBS Letters</i> , 2002, 530, 169-173.	2.8	31
105	On the interaction of substrate analogues with non-phosphorylating glyceraldehyde-3-phosphate dehydrogenase from celery leaves. <i>Plant Science</i> , 2002, 162, 689-696.	3.6	5
106	ADP-glucose pyrophosphorylase from wheat endosperm. Purification and characterization of an enzyme with novel regulatory properties. <i>Planta</i> , 2002, 214, 428-434.	3.2	91
107	Identification of Functionally Important Amino-Terminal Arginines of <i>Agrobacterium tumefaciens</i> ADP-Glucose Pyrophosphorylase by Alanine Scanning Mutagenesis. <i>Biochemistry</i> , 2001, 40, 10169-10178.	2.5	41
108	ULTRASENSITIVITY IN (SUPRA)MOLECULARLY ORGANIZED AND CROWDED ENVIRONMENTS. <i>Cell Biology International</i> , 2001, 25, 1091-1099.	3.0	17

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109	Measurement of the glycogen synthetic pathway in permeabilized cells of cyanobacteria. FEMS Microbiology Letters, 2001, 194, 7-11.	1.8	12
110	Kinetic and structural analysis of the ultrasensitive behaviour of cyanobacterial ADP-glucose pyrophosphorylase. Biochemical Journal, 2000, 350, 139.	3.7	16
111	Kinetic and structural analysis of the ultrasensitive behaviour of cyanobacterial ADP-glucose pyrophosphorylase. Biochemical Journal, 2000, 350, 139-147.	3.7	30
112	The kinetic properties of liver glucokinase and its function in glucose physiology as a model for the comprehensive study of enzymes' kinetic parameters and reversible inhibitors. Biochemistry and Molecular Biology Education, 2000, 28, 332-337.	1.2	4
113	The kinetic properties of liver glucokinase and its function in glucose physiology as a model for the comprehensive study of enzymes' kinetic parameters and reversible inhibitors. Biochemistry and Molecular Biology Education, 2000, 28, 332-337.	1.2	7
114	Studies on the Effect of Temperature on the Activity and Stability of Cyanobacterial ADP-Glucose Pyrophosphorylase. Archives of Biochemistry and Biophysics, 2000, 384, 319-326.	3.0	8
115	Structural and kinetic characterization of NADP-dependent, non-phosphorylating glyceraldehyde-3-phosphate dehydrogenase from celery leaves. Plant Science, 2000, 154, 107-115.	3.6	29
116	Effects of Stress on Cellular Infrastructure and Metabolic Organization in Plant Cells. International Review of Cytology, 1999, 194, 239-273.	6.2	31
117	Ultrasensitive glycogen synthesis in Cyanobacteria. FEBS Letters, 1999, 446, 117-121.	2.8	29
118	Cloning and Expression of the <i>glgC</i> Gene from <i>Agrobacterium tumefaciens</i> : Purification and Characterization of the ADP-glucose Synthetase. Archives of Biochemistry and Biophysics, 1998, 357, 13-21.	3.0	24
119	Synthesis of Floridean Starch in the Red Alga <i>Gracilaria Gracilis</i> Occurs Via ADP-Glucose. , 1998, , 3537-3540.		7
120	Gene Organization and Transcription Analysis of the <i>Agrobacterium tumefaciens</i> Glycogen (<i>glg</i>) Operon: Two Transcripts for the Single Phosphoglucomutase Gene. Journal of Bacteriology, 1998, 180, 6557-6564.	2.2	38
121	A simple laboratory experiment for the teaching of the assay and kinetic characterization of enzymes. Biochemical Education, 1997, 25, 106-109.	0.1	6
122	Control of Starch Composition and Structure through Substrate Supply in the Monocellular Alga. Journal of Biological Chemistry, 1996, 271, 16281-16287.	3.4	91
123	The role of inorganic phosphate in the regulation of C4 photosynthesis. Photosynthesis Research, 1993, 35, 205-211.	2.9	23
124	Hysteretic properties of NADP-malic enzyme from sugarcane leaves. Photosynthesis Research, 1992, 31, 89-97.	2.9	7
125	Molecular cloning and expression of the gene encoding ADP-glucose pyrophosphorylase from the cyanobacterium <i>Anabaena</i> sp. strain PCC 7120. Plant Molecular Biology, 1992, 20, 37-47.	3.9	47
126	Involvement of arginine residues in the allosteric activation and inhibition of <i>Synechocystis</i> PCC 6803 ADP-glucose pyrophosphorylase. The Protein Journal, 1992, 11, 119-128.	1.1	21

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127	Bacterial glycogen and plant starch biosynthesis. <i>Biochemical Education</i> , 1992, 20, 196-203.	0.1	54
128	NADP ⁺ -malic enzyme from sugarcane leaves: Structural properties studied by thermal inactivation. <i>Archives of Biochemistry and Biophysics</i> , 1991, 290, 272-276.	3.0	7
129	Interaction of divalent metal ions with the NADP ⁺ -malic enzyme from maize leaves. <i>Physiologia Plantarum</i> , 1991, 81, 462-466.	5.2	30
130	Regulatory and Structural Properties of the Cyanobacterial ADPglucose Pyrophosphorylases. <i>Plant Physiology</i> , 1991, 97, 1187-1195.	4.8	85
131	NADP-dependent malate dehydrogenase (decarboxylating) from sugar cane leaves. Kinetic properties of different oligomeric structures. <i>FEBS Journal</i> , 1990, 192, 729-733.	0.2	27
132	Oligomeric enzymes in the C ₄ pathway of photosynthesis. <i>Photosynthesis Research</i> , 1990, 26, 161-170.	2.9	18
133	On the metabolism of triose-phosphates in photosynthetic cells. Their involvement on the traffic of ATP and NADPH. <i>Biochemical Education</i> , 1990, 18, 2-5.	0.1	12
134	Kinetic and Structural Properties of NADP-Malic Enzyme from Sugarcane Leaves. <i>Plant Physiology</i> , 1990, 92, 66-72.	4.8	45
135	Purification and kinetic and structural properties of spinach leaf NADP-dependent nonphosphorylating glyceraldehyde-3-phosphate dehydrogenase. <i>Archives of Biochemistry and Biophysics</i> , 1988, 260, 830-840.	3.0	35
136	Higher plant phosphoenolpyruvate carboxylase. <i>FEBS Letters</i> , 1987, 213, 1-8.	2.8	212
137	Purification and properties of NADP-dependent non-phosphorylating glyceraldehyde-3-phosphate dehydrogenase from the green alga <i>Chlamydomonas reinhardtii</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1987, 925, 1-10.	2.4	32
138	Active-site-directed inhibition of phosphoenolpyruvate carboxylase from maize leaves by bromopyruvate. <i>Archives of Biochemistry and Biophysics</i> , 1986, 245, 179-186.	3.0	30
139	Modification of an essential amino group of phosphoenolpyruvate carboxylase from maize leaves by pyridoxal phosphate and by pyridoxal phosphate-sensitized photooxidation. <i>Archives of Biochemistry and Biophysics</i> , 1986, 246, 546-553.	3.0	26
140	The C ₄ pathway of photosynthesis and its regulation. <i>Biochemical Education</i> , 1986, 14, 98-102.	0.1	7
141	Chemical modification of the phosphoenolpyruvate carboxylase from maize leaves and its conformation in isotropic solution. Studies via triplet lifetime and rotational diffusion using eosin isothiocyanate as label. <i>BBA - Proteins and Proteomics</i> , 1986, 870, 292-301.	2.1	14
142	On the Molecular Mechanism of Maize Phosphoenolpyruvate Carboxylase Activation by Thiol Compounds. <i>Plant Physiology</i> , 1984, 75, 983-987.	4.8	48
143	Inactivation of phosphoenolpyruvate carboxylase from maize leaves by modification with phenylglyoxal. <i>BBA - Proteins and Proteomics</i> , 1984, 788, 41-47.	2.1	24
144	Involvement of thiol groups in the activity of phosphoenolpyruvate carboxylase from maize leaves. <i>Photosynthesis Research</i> , 1984, 5, 215-226.	2.9	30

#	ARTICLE	IF	CITATIONS
145	On the Regulation of Phosphoenolpyruvate Carboxylase Activity from Maize Leaves by L-malate. Effect of pH. Journal of Plant Physiology, 1984, 116, 425-434.	3.5	66
146	The presence of essential histidine residues in phosphoenolpyruvate carboxylase from maize leaves. BBA - Proteins and Proteomics, 1983, 749, 9-17.	2.1	33