William C Plaxton

List of Publications by Year
in descending order

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174 papers	11,398 citations	31902 53 h-index	34900 98 g-index
218 all docs	218 docs citations	218 times ranked	7496 citing authors

#	Article	IF	Citations
1	Arabidopsis PAP17 is a dual-localized purple acid phosphatase up-regulated during phosphate deprivation, senescence, and oxidative stress. Journal of Experimental Botany, 2022, 73, 382-399.	2.4	12
2	Autophosphorylation Inhibits RcCDPK1, a Dual-Specificity Kinase that Phosphorylates Bacterial-Type Phosphoenolpyruvate Carboxylase in Castor Oil Seeds. Plant and Cell Physiology, 2022, 63, 683-698.	1.5	1
3	Phosphate and phosphite have a differential impact on the proteome and phosphoproteome of Arabidopsis suspension cell cultures. Plant Journal, 2021, 105, 924-941.	2.8	24
4	Recent insights into the metabolic adaptations of phosphorus-deprived plants. Journal of Experimental Botany, 2021, 72, 199-223.	2.4	69
5	Multifaceted functions of post-translational enzyme modifications in the control of plant glycolysis. Current Opinion in Plant Biology, 2020, 55, 28-37.	3.5	42
6	Phosphoprotein Phosphatase Function of Secreted Purple Acid Phosphatases. , 2020, , 11-28.		3
7	Transcriptional and post-translational upregulation of phosphoenolpyruvate carboxylase in Arabidopsis thaliana (L. Heynh) under cadmium stress. Environmental and Experimental Botany, 2019, 164, 29-39.	2.0	16
8	Avoiding Proteolysis during the Extraction and Purification of Active Plant Enzymes. Plant and Cell Physiology, 2019, 60, 715-724.	1.5	15
9	A glycoform of the secreted purple acid phosphatase <scp>AtPAP26</scp> coâ€purifies with a mannoseâ€binding lectin (<scp>AtGAL1</scp>) upregulated by phosphateâ€starved Arabidopsis. Plant, Cell and Environment, 2019, 42, 1139-1157.	2.8	21
10	Lectin AtGAL1 interacts with highâ€mannose glycoform of the purple acid phosphatase AtPAP26 secreted by phosphateâ€starved Arabidopsis. Plant, Cell and Environment, 2019, 42, 1158-1166.	2.8	15
11	Molecular mechanisms underpinning phosphorusâ€use efficiency in rice. Plant, Cell and Environment, 2018, 41, 1483-1496.	2.8	74
12	Structural and biochemical characterization of citrate binding to AtPPC3, a plant-type phosphoenolpyruvate carboxylase from Arabidopsis thaliana. Journal of Structural Biology, 2018, 204, 507-512.	1.3	4
13	The signal metabolite trehaloseâ€6â€phosphate inhibits the sucrolytic activity of sucrose synthase from developing castor beans. FEBS Letters, 2018, 592, 2525-2532.	1.3	26
14	Regulatory Phosphorylation of Bacterial-Type PEP Carboxylase by the Ca2+-Dependent Protein Kinase RcCDPK1 in Developing Castor Oil Seeds. Plant Physiology, 2017, 174, 1012-1027.	2.3	24
15	Coimmunoprecipitation of reversibly glycosylated polypeptide with sucrose synthase from developing castor oilseeds. FEBS Letters, 2017, 591, 3872-3880.	1.3	6
16	Lyophilization pretreatment facilitates extraction of soluble proteins and active enzymes from the oil-accumulating microalga Chlorella vulgaris. Algal Research, 2017, 25, 439-444.	2.4	17
17	Microalgal cultivation with waste streams and metabolic constraints to triacylglycerides accumulation for biofuel production. Biofuels, Bioproducts and Biorefining, 2017, 11, 325-343.	1.9	40
18	Leucoplast Isolation and Subfractionation. Methods in Molecular Biology, 2017, 1511, 73-81.	0.4	2

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19	Transcript profiling indicates a widespread role for bacterial-type phosphoenolpyruvate carboxylase in malate-accumulating sink tissues. Journal of Experimental Botany, 2017, 68, 5857-5869.	2.4	7
20	Mechanisms and Functions of Post-translational Enzyme Modifications in the Organization and Control of Plant Respiratory Metabolism. Advances in Photosynthesis and Respiration, 2017, , 261-284.	1.0	8
21	Extraction and Characterization of Extracellular Proteins and Their Post-Translational Modifications from Arabidopsis thaliana Suspension Cell Cultures and Seedlings: A Critical Review. Proteomes, 2016, 4, 25.	1.7	12
22	Trehalose 6â€“phosphate coordinates organic and amino acid metabolism with carbon availability. Plant Journal, 2016, 85, 410-423.	2.8	176
23	Light-dependent activation of phosphoenolpyruvate carboxylase by reversible phosphorylation in cluster roots of white lupin plants: diurnal control in response to photosynthate supply. Annals of Botany, 2016, 118, 637-643.	1.4	11
24	The calcium-dependent protein kinase RcCDPK2 phosphorylates sucrose synthase at Ser11 in developing castor oil seeds. Biochemical Journal, 2016, 473, 3667-3682.	1.7	17
25	New insights into the post-translational modification of multiple phosphoenolpyruvate carboxylase isoenzymes by phosphorylation and monoubiquitination during sorghum seed development and germination. Journal of Experimental Botany, 2016, 67, 3523-3536.	2.4	32
26	Phosphorus nutrition in Proteaceae and beyond. Nature Plants, 2015, 1, 15109.	4.7	122
27	Molecular Mechanisms of Phosphorus Metabolism and Transport during Leaf Senescence. Plants, 2015, 4, 773-798.	1.6	88
28	Phosphorylation of bacterial-type phosphoenolpyruvate carboxylase by a Ca2+-dependent protein kinase suggests a link between Ca2+ signalling and anaplerotic pathway control in developing castor oil seeds. Biochemical Journal, 2014, 458, 109-118.	1.7	18
29	Biochemical and Molecular Characterization of RcSUS1, a Cytosolic Sucrose Synthase Phosphorylated in Vivo at Serine 11 in Developing Castor Oil Seeds. Journal of Biological Chemistry, 2014, 289, 33412-33424.	1.6	24
30	In vivomonoubiquitination of anaplerotic phosphoenolpyruvate carboxylase occurs at Lys624 in germinating sorghum seeds. Journal of Experimental Botany, 2014, 65, 443-451.	2.4	32
31	Senescence-inducible cell wall and intracellular purple acid phosphatases: implications for phosphorus remobilization in Hakea prostrata (Proteaceae) and Arabidopsis thaliana (Brassicaceae). Journal of Experimental Botany, 2014, 65, 6097-6106.	2.4	66
32	The cell wallâ€targeted purple acid phosphatase At<scp>PAP</scp>25 is critical for acclimation of ArabidopsisÂthaliana to nutritional phosphorus deprivation. Plant Journal, 2014, 80, 569-581.	2.8	58
33	Enhancement of photosynthetic performance, water use efficiency and grain yield during long-term growth under elevated CO2 in wheat and rye is growth temperature and cultivar dependent. Environmental and Experimental Botany, 2014, 106, 207-220.	2.0	35
34	Reciprocal Control of Anaplerotic Phosphoenolpyruvate Carboxylase by in Vivo Monoubiquitination and Phosphorylation in Developing Proteoid Roots of Phosphate-Deficient Harsh Hakea Â Â. Plant Physiology, 2013, 161, 1634-1644.	2.3	54
35	The secreted purple acid phosphatase isozymes AtPAP12 and AtPAP26 play a pivotal role in extracellular phosphate-scavenging by Arabidopsis thaliana. Journal of Experimental Botany, 2012, 63, 6531-6542.	2.4	118
36	Opportunities for improving phosphorusâ€use efficiency in crop plants. New Phytologist, 2012, 195, 306-320.	3.5	702

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37	Eliminating the purple acid phosphatase At<scp>PAP</scp>26 in Arabidopsis thaliana delays leaf senescence and impairs phosphorus remobilization. New Phytologist, 2012, 196, 1024-1029.	3.5	103
38	The bacterialâ€type phosphoenolpyruvate carboxylase isozyme from developing castor oil seeds is subject to in vivo regulatory phosphorylation at serineâ€451. FEBS Letters, 2012, 586, 1049-1054.	1.3	15
39	Bacterialâ€and plantâ€type phosphoenolpyruvate carboxylase isozymes from developing castor oil seeds interact in vivo and associate with the surface of mitochondria. Plant Journal, 2012, 71, 251-262.	2.8	41
40	The Central Role of Phosphoenolpyruvate Metabolism in Developing Oilseeds. , 2012, , 279-301.		4
41	The remarkable diversity of plant PEPC (phosphoenolpyruvate carboxylase): recent insights into the physiological functions and post-translational controls of non-photosynthetic PEPCs. Biochemical Journal, 2011, 436, 15-34.	1.7	267
42	Phosphorylation of bacterial-type phosphoenolpyruvate carboxylase at Ser425 provides a further tier of enzyme control in developing castor oil seeds. Biochemical Journal, 2011, 433, 65-74.	1.7	17
43	Tissue-specific expression and post-translational modifications of plant- and bacterial-type phosphoenolpyruvate carboxylase isozymes of the castor oil plant, Ricinus communis L.. Journal of Experimental Botany, 2011, 62, 5485-5495.	2.4	42
44	Metabolic Adaptations of Phosphate-Starved Plants. Plant Physiology, 2011, 156, 1006-1015.	2.3	484
45	Biochemical and molecular characterization of AtPAP12 and AtPAP26: the predominant purple acid phosphatase isozymes secreted by phosphateâ€starved Arabidopsis thaliana. Plant, Cell and Environment, 2010, 33, 1789-1803.	2.8	123
46	The Dual-Targeted Purple Acid Phosphatase Isozyme AtPAP26 Is Essential for Efficient Acclimation of Arabidopsis to Nutritional Phosphate Deprivation Â Â Â. Plant Physiology, 2010, 153, 1112-1122.	2.3	135
47	Feeding hungry plants: The role of purple acid phosphatases in phosphate nutrition. Plant Science, 2010, 179, 14-27.	1.7	228
48	In vivo regulatory phosphorylation of the phosphoenolpyruvate carboxylase AtPPC1 in phosphate-starved Arabidopsis thaliana. Biochemical Journal, 2009, 420, 57-65.	1.7	103
49	Bacterial-type Phosphoenolpyruvate Carboxylase (PEPC) Functions as a Catalytic and Regulatory Subunit of the Novel Class-2 PEPC Complex of Vascular Plants. Journal of Biological Chemistry, 2009, 284, 24797-24805.	1.6	51
50	Proteomic analysis of alterations in the secretome of Arabidopsis thaliana suspension cells subjected to nutritional phosphate deficiency. Proteomics, 2008, 8, 4317-4326.	1.3	86
51	Regulatory Monoubiquitination of Phosphoenolpyruvate Carboxylase in Germinating Castor Oil Seeds. Journal of Biological Chemistry, 2008, 283, 29650-29657.	1.6	63
52	Coimmunopurification of Phosphorylated Bacterial- and Plant-Type Phosphoenolpyruvate Carboxylases with the Plastidial Pyruvate Dehydrogenase Complex from Developing Castor Oil Seeds Â Â Â. Plant Physiology, 2008, 146, 1346-1357.	2.3	41
53	Activity and concentration of non-proteolyzed phosphoenolpyruvate carboxykinase in the endosperm of germinating castor oil seeds: effects of anoxia on its activity. Physiologia Plantarum, 2007, 130, 484-494.	2.6	20
54	Bacterialâ€and plantâ€type phosphoenolpyruvate carboxylase polypeptides interact in the heteroâ€oligomeric Classâ€2 PEPC complex of developing castor oil seeds. Plant Journal, 2007, 52, 839-849.	2.8	68

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55	Phosphoenolpyruvate carboxylase protein kinase from developing castor oil seeds: partial purification, characterization, and reversible control by photosynthate supply. Planta, 2007, 226, 1299-1310.	1.6	30
56	The Functional Organization and Control of Plant Respiration. Critical Reviews in Plant Sciences, 2006, 25, 159-198.	2.7	408
57	Differential synthesis of phosphate-starvation inducible purple acid phosphatase isozymes in tomato (Lycopersicon esculentum) suspension cells and seedlings. Plant, Cell and Environment, 2006, 29, 303-313.	2.8	79
58	Biochemical and Molecular Characterization of AtPAP26, a Vacuolar Purple Acid Phosphatase Up-Regulated in Phosphate-Deprived Arabidopsis Suspension Cells and Seedlings. Plant Physiology, 2006, 142, 1282-1293.	2.3	136
59	PURIFICATION AND CHARACTERIZATION OF A HOMODIMERIC ENOLASE FROM SYNECHOCOCCUS PCC 6301 (CYANOPHYCEAE)1. Journal of Phycology, 2005, 41, 515-522.	1.0	1
60	Purification and characterization of an allosteric fructose-1,6-bisphosphate aldolase from germinating mung beans (Vigna radiata). Phytochemistry, 2005, 66, 968-974.	1.4	15
61	Cytosolic pyruvate kinase: subunit composition, activity, and amount in developing castor and soybean seeds, and biochemical characterization of the purified castor seed enzyme. Planta, 2005, 222, 1051-1062.	1.6	54
62	In Vivo Regulatory Phosphorylation of Novel Phosphoenolpyruvate Carboxylase Isoforms in Endosperm of Developing Castor Oil Seeds. Plant Physiology, 2005, 139, 969-978.	2.3	46
63	In vitro Proteolysis of Phosphoenolpyruvate Carboxylase from Developing Castor Oil Seeds by an Endogenous Thiol Endopeptidase. Plant and Cell Physiology, 2005, 46, 1855-1862.	1.5	11
64	Phosphate or phosphite addition promotes the proteolytic turnover of phosphate-starvation inducible tomato purple acid phosphatase isozymes. FEBS Letters, 2004, 573, 51-54.	1.3	34
65	Structural and kinetic properties of a novel purple acid phosphatase from phosphate-starved tomato (Lycopersicon esculentum) cell cultures. Biochemical Journal, 2004, 377, 419-428.	1.7	93
66	Plant Response to Stress: Biochemical Adaptations to Phosphate Deficiency. , 2004, , 976-980.		50
67	Purification and characterization of pyrophosphate- and ATP-dependent phosphofructokinases from banana fruit. Planta, 2003, 217, 113-121.	1.6	30
68	Phosphite accelerates programmed cell death in phosphate-starved oilseed rape (Brassica napus) suspension cell cultures. Planta, 2003, 218, 233-239.	1.6	41
69	Structural and Kinetic Properties of High and Low Molecular Mass Phosphoenolpyruvate Carboxylase Isoforms from the Endosperm of Developing Castor Oilseeds. Journal of Biological Chemistry, 2003, 278, 11867-11873.	1.6	55
70	Fluorescence study of ligand binding to potato tuber pyrophosphate-dependent phosphofructokinase: evidence for competitive binding between fructose-1,6-bisphosphate and fructose-2,6-bisphosphate. Archives of Biochemistry and Biophysics, 2003, 414, 101-107.	1.4	11
71	From Genome to Enzyme: Analysis of Key Glycolytic and Oxidative Pentose-Phosphate Pathway Enzymes in the Cyanobacterium Synechocystis sp. PCC 6803. Plant and Cell Physiology, 2003, 44, 758-763.	1.5	68
72	In Vitro Phosphorylation of Phosphoenolpyruvate Carboxylase from the Green Alga Selenastrum minutum. Plant and Cell Physiology, 2002, 43, 785-792.	1.5	17

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73	Molecular and Regulatory Properties of Leucoplast Pyruvate Kinase from Brassica napus (Rapeseed) Suspension Cells. Archives of Biochemistry and Biophysics, 2002, 400, 54-62.	1.4	32
74	A Method for Activity Staining after Native Polyacrylamide Gel Electrophoresis Using a Coupled Enzyme Assay and Fluorescence Detection: Application to the Analysis of Several Glycolytic Enzymes. Analytical Biochemistry, 2002, 300, 94-99.	1.1	25
75	Purification and characterization of two secreted purple acid phosphatase isozymes from phosphate-starved tomato (Lycopersicon esculentum) cell cultures. FEBS Journal, 2002, 269, 6278-6286.	0.2	132
76	PHOSPHITE (PHOSPHOROUS ACID): ITS RELEVANCE IN THE ENVIRONMENT AND AGRICULTURE AND INFLUENCE ON PLANT PHOSPHATE STARVATION RESPONSE. Journal of Plant Nutrition, 2001, 24, 1505-1519.	0.9	185
77	Purification and characterization of banana fruit acid phosphatase. Planta, 2001, 214, 243-249.	1.6	31
78	Two Unrelated Phosphoenolpyruvate Carboxylase Polypeptides Physically Interact in the High Molecular Mass Isoforms of This Enzyme in the Unicellular Green Alga Selenastrum minutum. Journal of Biological Chemistry, 2001, 276, 12588-12597.	1.6	46
79	Structural and Regulatory Properties of Pyruvate Kinase from the Cyanobacterium Synechococcus PCC 6301. Journal of Biological Chemistry, 2001, 276, 20966-20972.	1.6	40
80	Phosphite disrupts the acclimation of Saccharomyces cerevisiae to phosphate starvation. Canadian Journal of Microbiology, 2001, 47, 969-978.	0.8	38
81	Phosphite disrupts the acclimation of Saccharomyces cerevisiae to phosphate starvation. Canadian Journal of Microbiology, 2001, 47, 969-978.	0.8	11
82	Purification and characterization of cytosolic pyruvate kinase from banana fruit. Biochemical Journal, 2000, 352, 875.	1.7	12
83	Purification and characterization of cytosolic pyruvate kinase from Brassica napus (rapeseed) suspension cell cultures. FEBS Journal, 2000, 267, 4477-4485.	0.2	66
84	Purification and characterization of phosphoenolpyruvate carboxylase from Brassica napus (rapeseed) suspension cell cultures. FEBS Journal, 2000, 267, 4465-4476.	0.2	72
85	Upregulation of vacuolar H+ -translocating pyrophosphatase by phosphate starvation of Brassica napus (rapeseed) suspension cell cultures. FEBS Letters, 2000, 486, 155-158.	1.3	38
86	Purification and characterization of cytosolic pyruvate kinase from banana fruit. Biochemical Journal, 2000, 352, 875-882.	1.7	18
87	Photosynthesis and Carbon Partitioning in Transgenic Tobacco Plants Deficient in Leaf Cytosolic Pyruvate Kinase1. Plant Physiology, 1999, 120, 887-896.	2.3	45
88	A fluorescence study of ligand-induced conformational changes in cytosolic fructose-1,6-bisphosphatase from germinating castor oil seeds. BBA - Proteins and Proteomics, 1998, 1388, 285-294.	2.1	3
89	Phosphate starvation-inducible pyrophosphate-dependent phosphofructokinase occurs in plants whose roots do not form symbiotic associations with mycorrhizal fungi. Physiologia Plantarum, 1998, 103, 405-414.	2.6	23
90	Purification and Characterization of Cytosolic Fructose-1,6-bisphosphate Aldolase from Endosperm of Germinated Castor Oil Seeds. Archives of Biochemistry and Biophysics, 1998, 355, 189-196.	1.4	16

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91	Altered Growth of Transgenic Tobacco Lacking Leaf Cytosolic Pyruvate Kinase1. Plant Physiology, 1998, 116, 45-51.	2.3	43
92	Purification and characterization of high- and low-molecular-mass isoforms of phosphoenolpyruvate carboxylase from Chlamydomonas reinhardtii. Biochemical Journal, 1998, 331, 201-209.	1.7	53
93	Characterization of High and Low Molecular Mass Isoforms of Phosphoenolpyruvate Carboxylase from the Green Alga Selenastrum Minutum. , 1998, , 3403-3406.		0
94	Regulatory Phosphorylation of Banana Fruit Phosphoenolpyruvate Carboxylase by a Copurifying Phosphoedpyruvate Carboxylase-Kinase. FEBS Journal, 1997, 247, 642-651.	0.2	39
95	Disruption of the phosphate-starvation response of oilseed rape suspension cells by the fungicide phosphonate. Planta, 1997, 203, 67-74.	1.6	107
96	Disruption of the phosphate-starvation response of oilseed rape suspension cells by the fungicide phosphonate. Planta, 1997, 203, 67-74.	1.6	12
97	THE ORGANIZATION AND REGULATION OF PLANT GLYCOLYSIS. Annual Review of Plant Biology, 1996, 47, 185-214.	14.2	816
98	Purification and Properties of Four Phosphoenolpyruvate Carboxylase Isoforms from the Green AlgaSelenastrum minutum:Evidence That Association of the 102-kDa Catalytic Subunit with Unrelated Polypeptides May Modify the Physical and Kinetic Properties of the Enzyme. Archives of Biochemistry and Biophysics, 1996, 332, 47-57.	1.4	37
99	Purification and Characterization of Cytosolic Pyruvate Kinase from Leaves of the Castor Oil Plant. Archives of Biochemistry and Biophysics, 1996, 333, 298-307.	1.4	34
100	The Fungicide Phosphonate Disrupts the Phosphate-Starvation Response in Brassica nigra Seedlings. Plant Physiology, 1996, 110, 105-110.	2.3	132
101	Purification and Characterization of Pyrophosphate-Dependent Phosphofructokinase from Phosphate-Starved Brassica nigra Suspension Cells. Plant Physiology, 1996, 112, 343-351.	2.3	41
102	Purification and characterization of a novel phosphoenolpyruvate carboxylase from banana fruit. Biochemical Journal, 1995, 307, 807-816.	1.7	65
103	Differential expression of cytosolic and plastid pyruvate kinase isozymes in tobacco. Physiologia Plantarum, 1995, 95, 507-514.	2.6	15
104	Suborganellar Localization and Molecular Characterization of Nonproteolytic Degraded Leukoplast Pyruvate Kinase from Developing Castor Oil Seeds. Plant Physiology, 1995, 109, 1461-1469.	2.3	25
105	Effect of polyethylene glycol on the activity, intrinsic fluorescence, and oligomeric structure of castor seed cytosolic fructose-1, 6-bisphosphatase. FEBS Letters, 1995, 368, 559-562.	1.3	16
106	Differential expression of cytosolic and plastid pyruvate kinase isozymes in tobacco. Physiologia Plantarum, 1995, 95, 507-514.	2.6	3
107	Interaction of Carbon and Nitrogen Metabolism in Photosynthetic Cells: Clues from Unicellular Algae. , 1995, , 4245-4250.		0
108	Characterization of asparaginyl endopeptidase activity in endosperm of developing and germinating castor oil seeds. Physiologia Plantarum, 1994, 91, 599-604.	2.6	2

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109	Regulation of cytosolic carbon metabolism in germinating Ricinus communis cotyledons. Planta, 1994, 194, 374-380.	1.6	53
110	Regulation of cytosolic carbon metabolism in germinating Ricinus communis cotyledons. Planta, 1994, 194, 381-387.	1.6	53
111	The role of acid phosphatases in plant phosphorus metabolism. Physiologia Plantarum, 1994, 90, 791-800.	2.6	554
112	Characterization of asparaginyl endopeptidase activity in endosperm of developing and germinating castor oil seeds. Physiologia Plantarum, 1994, 91, 599-604.	2.6	18
113	Induction of PPi-dependent phosphofructokinase by phosphate starvation in seedlings of Brassica nigra. Plant, Cell and Environment, 1994, 17, 287-294.	2.8	26
114	Copurification of Cytosolic Fructose-1,6-bisphosphatase and Cytosolic Aldolase from Endosperm of Germinating Castor Oil Seeds. Archives of Biochemistry and Biophysics, 1994, 312, 326-335.	1.4	27
115	Potato Tuber Pyrophosphate-Dependent Phosphofructokinase: Effect of Thiols and Polyalcohols on Its Intrinsic Fluorescence, Oligomeric Structure, and Activity in Dilute Solutions. Archives of Biochemistry and Biophysics, 1994, 313, 50-57.	1.4	12
116	Purification and Characterization of a Potato Tuber Acid Phosphatase Having Significant Phosphotyrosine Phosphatase Activity. Plant Physiology, 1994, 106, 223-232.	2.3	73
117	The role of acid phosphatases in plant phosphorus metabolism. Physiologia Plantarum, 1994, 90, 791-800.	2.6	71
118	The role of inorganic phosphate in the regulation of C4 photosynthesis. Photosynthesis Research, 1993, 35, 205-211.	1.6	23
119	Response of aromatic pathway enzymes of plant suspension cells to phosphate limitation. Bioorganic and Medicinal Chemistry Letters, 1993, 3, 1415-1420.	1.0	6
120	Metabolic Adaptations of Plant Respiration to Nutritional Phosphate Deprivation. Plant Physiology, 1993, 101, 339-344.	2.3	340
121	Activation of Cytosolic Pyruvate Kinase by Polyethylene Glycol. Plant Physiology, 1993, 103, 285-288.	2.3	24
122	Phosphoenolpyruvate Carboxylase Activity and Concentration in the Endosperm of Developing and Germinating Castor Oil Seeds. Plant Physiology, 1992, 99, 445-449.	2.3	69
123	Normal Growth of Transgenic Tobacco Plants in the Absence of Cytosolic Pyruvate Kinase. Plant Physiology, 1992, 100, 820-825.	2.3	62
124	Evidence for an interaction between cytosolic aldolase and the ATP- and pyrophosphate-dependent phosphofructokinases in carrot storage roots. FEBS Letters, 1992, 313, 277-280.	1.3	9
125	Pyruvate-kinase isoenzymes from zygotic and microspore-derived embryos of Brassica napus. Planta, 1992, 187, 198-202.	1.6	27
126	Plant cytosolic pyruvate kinase: a kinetic study. BBA - Proteins and Proteomics, 1992, 1160, 213-220.	2.1	31

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127	High-yield purification of potato tuber pyrophosphate: Fructose-6-phosphate 1-phosphotransferase. Protein Expression and Purification, 1991, 2, 29-33.	0.6	14
128	Purification, characterization, and subcellular localization of an acid phosphatase from black mustard cell-suspension cultures: Comparison with phosphoenolpyruvate phosphatase. Archives of Biochemistry and Biophysics, 1991, 286, 226-232.	1.4	50
129	Kinetic and regulatory properties of cytosolic pyruvate kinase from germinating castor oil seeds. Biochemical Journal, 1991, 279, 495-501.	1.7	62
130	Leucoplast Pyruvate Kinase from Developing Castor Oil Seeds. Plant Physiology, 1991, 97, 1334-1338.	2.3	26
131	Effects of Phosphorus Limitation on Respiratory Metabolism in the Green Alga Selenastrum minutum. Plant Physiology, 1991, 95, 1089-1095.	2.3	152
132	Relationship between the Subunits of Leucoplast Pyruvate Kinase from Ricinus communis and a Comparison with the Enzyme from Other Sources. Plant Physiology, 1991, 96, 1283-1288.	2.3	28
133	Phosphate-starvation response in plant cells: de novo synthesis and degradation of acid phosphatases.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 9538-9542.	3.3	110
134	Association of Phosphoenolpyruvate Phosphatase Activity with the Cytosolic Pyruvate Kinase of Germinating Mung Beans. Plant Physiology, 1991, 97, 1329-1333.	2.3	10
135	Purification and characterization of cytosolic aldolase from carrot storage root. Biochemical Journal, 1990, 269, 133-139.	1.7	29
136	Cloning and characterization of a cDNA for the cytosolic isozyme of plant pyruvate kinase: the relationship between the plant and non-plant enzyme. Plant Molecular Biology, 1990, 15, 665-669.	2.0	25
137	Relationship between NH⁺₄ Assimilation Rate and in Vivo Phosphoenolpyruvate Carboxylase Activity. Plant Physiology, 1990, 94, 284-290.	2.3	94
138	Metabolite Regulation of Partially Purified Soybean Nodule Phosphoenolpyruvate Carboxylase. Plant Physiology, 1990, 94, 1429-1435.	2.3	52
139	Regulation of Phosphoenolpyruvate Carboxylase from the Green Alga Selenastrum minutum. Plant Physiology, 1990, 93, 1303-1311.	2.3	75
140	Purification of Leucoplast Pyruvate Kinase from Developing Castor Bean Endosperm. Plant Physiology, 1990, 94, 1528-1534.	2.3	37
141	Response to Phosphate Deprivation in Brassica nigra Suspension Cells. Plant Physiology, 1990, 93, 504-511.	2.3	128
142	Glycolysis. Methods in Plant Biochemistry, 1990, , 145-173.	0.2	12
143	Phosphate Starvation Inducible `Bypasses' of Adenylate and Phosphate Dependent Glycolytic Enzymes in Brassica nigra Suspension Cells. Plant Physiology, 1989, 90, 1275-1278.	2.3	274
144	Purification and Characterization of a Phosphoenolpyruvate Phosphatase from Brassica nigra Suspension Cells. Plant Physiology, 1989, 90, 734-741.	2.3	97

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145	Molecular and immunological characterization of plastid and cytosolic pyruvate kinase isozymes from castor-oil-plant endosperm and leaf. FEBS Journal, 1989, 181, 443-451.	0.2	107
146	Peptide mapping by CNBr fragmentation using a sodium dodecyl sulfate-polyacrylamide minigel system. Analytical Biochemistry, 1989, 178, 391-393.	1.1	32
147	Pyruvate kinase isozymes from the green alga, Selenastrum minutum. Archives of Biochemistry and Biophysics, 1989, 269, 219-227.	1.4	58
148	Pyruvate kinase isozymes from the green alga, Selenastrum minutum. Archives of Biochemistry and Biophysics, 1989, 269, 228-238.	1.4	74
149	Purification of a novel pyruvate kinase from a green alga. FEBS Letters, 1989, 259, 130-132.	1.3	20
150	Purification of Pyruvate Kinase from Germinating Castor Bean Endosperm. Plant Physiology, 1988, 86, 1064-1069.	2.3	48
151	Binding of Glycolytic Enzymes to a Particulate Fraction in Carrot and Sugar Beet Storage Roots. Plant Physiology, 1988, 86, 348-351.	2.3	29
152	Purification and Properties of Nonproteolytic Degraded ADPglucose Pyrophosphorylase from Maize Endosperm. Plant Physiology, 1987, 83, 105-112.	2.3	180
153	Glycolytic enzyme binding and metabolic control in anaerobiosis. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1986, 156, 635-640.	0.7	48
154	Tissue specific isozymes of pyruvate kinase in the channelled whelkBusycotypus canaliculatum: enzyme modification in response to environmental anoxia. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1985, 155, 291-296.	0.7	40
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156	Purification and properties of aerobic and anoxic forms of pyruvate kinase from red muscle tissue of the channelled whelk, Busycotypus canaliculatum. FEBS Journal, 1984, 143, 257-265.	0.2	75
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