William C Plaxton

List of Publications by Year in Descending Order

194 papers	9,222 citations	50 h-index	90 g-index
218 ext. papers	10,462 ext. citations	5.1 avg, IF	6.27 L-index

#	Paper	IF	Citations
194	Phosphate and phosphite have a differential impact on the proteome and phosphoproteome of Arabidopsis suspension cell cultures. *Plant Journal*, **2021**, 105, 924-941	6.9	9
193	Recent insights into the metabolic adaptations of phosphorus-deprived plants. *Journal of Experimental Botany*, **2021**, 72, 199-223	7	13
192	Biochemical and molecular characterization of AtPAP17: a dual-localized, low molecular weight Arabidopsis purple acid phosphatase upregulated during phosphate deprivation, senescence, and oxidative stress. *Journal of Experimental Botany*, **2021**,	7	2
191	Phosphoprotein Phosphatase Function of Secreted Purple Acid Phosphatases **2020**, 11-28		2
190	Multifaceted functions of post-translational enzyme modifications in the control of plant glycolysis. *Current Opinion in Plant Biology*, **2020**, 55, 28-37	9.9	17
189	Transcriptional and post-translational upregulation of phosphoenolpyruvate carboxylase in Arabidopsis thaliana (L. Heynh) under cadmium stress. *Environmental and Experimental Botany*, **2019**, 164, 29-39	5.9	9
188	Avoiding Proteolysis during the Extraction and Purification of Active Plant Enzymes. *Plant and Cell Physiology*, **2019**, 60, 715-724	4.9	8
187	A glycoform of the secreted purple acid phosphatase AtPAP26 co-purifies with a mannose-binding lectin (AtGAL1) upregulated by phosphate-starved Arabidopsis. *Plant, Cell and Environment*, **2019**, 42, 1139-1157	8.4	8
186	Lectin AtGAL1 interacts with high-mannose glycoform of the purple acid phosphatase AtPAP26 secreted by phosphate-starved Arabidopsis. *Plant, Cell and Environment*, **2019**, 42, 1158-1166	8.4	10
185	Molecular mechanisms underpinning phosphorus-use efficiency in rice. *Plant, Cell and Environment*, **2018**, 41, 1483-1496	8.4	33
184	The signal metabolite trehalose-6-phosphate inhibits the sucrolytic activity of sucrose synthase from developing castor beans. *FEBS Letters*, **2018**, 592, 2525-2532	3.8	11
183	Metabolic Aspects of the Phosphate Starvation Response in Plants **2018**, 349-372		9
182	The Role of Post-Translational Enzyme Modifications in the Metabolic Adaptations of Phosphorus-Deprived Plants **2018**, 99-123		1
181	Phosphorus: Back to the Roots **2018**, 3-22		13
180	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	3.4	2
179	Regulatory Phosphorylation of Bacterial-Type PEP Carboxylase by the Ca-Dependent Protein Kinase RcCDPK1 in Developing Castor Oil Seeds. *Plant Physiology*, **2017**, 174, 1012-1027	6.6	18
178	Coimmunoprecipitation of reversibly glycosylated polypeptide with sucrose synthase from developing castor oilseeds. *FEBS Letters*, **2017**, 591, 3872-3880	3.8	2

177	Lyophilization pretreatment facilitates extraction of soluble proteins and active enzymes from the oil-accumulating microalga Chlorella vulgaris. *Algal Research*, **2017**, 25, 439-444	5	10
176	Microalgal cultivation with waste streams and metabolic constraints to triacylglycerides accumulation for biofuel production. *Biofuels, Bioproducts and Biorefining*, **2017**, 11, 325-343	5.3	33
175	Leucoplast Isolation and Subfractionation. *Methods in Molecular Biology*, **2017**, 1511, 73-81	1.4	2
174	Transcript profiling indicates a widespread role for bacterial-type phosphoenolpyruvate carboxylase in malate-accumulating sink tissues. *Journal of Experimental Botany*, **2017**, 68, 5857-5869	7	2
173	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	1.7	6
172	The calcium-dependent protein kinase RcCDPK2 phosphorylates sucrose synthase at Ser11 in developing castor oil seeds. *Biochemical Journal*, **2016**, 473, 3667-3682	3.8	11
171	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, 3523-36	7	22
170	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,	4.6	10
169	Trehalose 6-phosphate coordinates organic and amino acid metabolism with carbon availability. *Plant Journal*, **2016**, 85, 410-23	6.9	120
168	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	4.1	9
167	Metabolomics of plant phosphorus-starvation response **2015**, 215-236		
166	Membrane remodelling in phosphorus-deficient plants **2015**, 237-263		11
165	The Role of Intracellular and Secreted Purple Acid Phosphatases in Plant Phosphorus Scavenging and Recycling **2015**, 265-287		14
164	Metabolic Adaptations of the Non-Mycotrophic Proteaceae to Soils With Low Phosphorus Availability **2015**, 289-335		25
163	Algae in a phosphorus-limited landscape **2015**, 337-374		3
162	Impact of roots, microorganisms and microfauna on the fate of soil phosphorus in the rhizosphere **2015**, 375-407		13
161	Mycorrhizal associations and phosphorus acquisition: from cells to ecosystems **2015**, 409-439		28
160	Phosphorus: Back to the Roots **2015**, 1-22		21

159	Sensing, signaLling, and CONTROL of phosphate starvation in plants: molecular players and applications **2015**, 23-63		7
158	Omics Approaches Towards Understanding Plant Phosphorus Acquisition and Use **2015**, 65-97		6
157	The Role of Post-Translational Enzyme Modifications in the Metabolic Adaptations of Phosphorus-Deprived Plants **2015**, 99-123		3
156	Phosphate Transporters **2015**, 125-158		10
155	Molecular Components that Drive Phosphorus-Remobilisation During Leaf Senescence **2015**, 159-186		6
154	Interactions between Nitrogen and Phosphorus metabolism **2015**, 187-214		4
153	Phosphorus nutrition in Proteaceae and beyond. *Nature Plants*, **2015**, 1, 15109	11.5	85
152	**2015**,		9
151	Molecular Mechanisms of Phosphorus Metabolism and Transport during Leaf Senescence. *Plants*, **2015**, 4, 773-98	4.5	54
150	The cell wall-targeted purple acid phosphatase AtPAP25 is critical for acclimation of Arabidopsis thaliana to nutritional phosphorus deprivation. *Plant Journal*, **2014**, 80, 569-81	6.9	48
149	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	5.9	28
148	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, 109-18	3.8	16
147	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, 33412-24	5.4	19
146	In vivo monoubiquitination of anaplerotic phosphoenolpyruvate carboxylase occurs at Lys624 in germinating sorghum seeds. *Journal of Experimental Botany*, **2014**, 65, 443-51	7	23
145	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, 6097-106	7	51
144	Reciprocal control of anaplerotic phosphoenolpyruvate carboxylase by in vivo monoubiquitination and phosphorylation in developing proteoid roots of phosphate-deficient harsh hakea. *Plant Physiology*, **2013**, 161, 1634-44	6.6	48
143	Bacterial- and plant-type phosphoenolpyruvate carboxylase isozymes from developing castor oil seeds interact in vivo and associate with the surface of mitochondria. *Plant Journal*, **2012**, 71, 251-62	6.9	33
142	Opportunities for improving phosphorus-use efficiency in crop plants. *New Phytologist*, **2012**, 195, 306-320	7.3	479

141	Eliminating the purple acid phosphatase AtPAP26 in Arabidopsis thaliana delays leaf senescence and impairs phosphorus remobilization. *New Phytologist*, **2012**, 196, 1024-1029	9.8	84
140	The bacterial-type phosphoenolpyruvate carboxylase isozyme from developing castor oil seeds is subject to in vivo regulatory phosphorylation at serine-451. *FEBS Letters*, **2012**, 586, 1049-54	3.8	12
139	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, 6531-42	7	81
138	The Central Role of Phosphoenolpyruvate Metabolism in Developing Oilseeds **2012**, 279-301		4
137	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	3.8	203
136	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	3.8	15
135	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, 5485-95	7	36
134	Metabolic adaptations of phosphate-starved plants. *Plant Physiology*, **2011**, 156, 1006-15	6.6	342
133	Biochemical and molecular characterization of AtPAP12 and AtPAP26: the predominant purple acid phosphatase isozymes secreted by phosphate-starved Arabidopsis thaliana. *Plant, Cell and Environment*, **2010**, 33, 1789-803	8.4	91
132	The dual-targeted purple acid phosphatase isozyme AtPAP26 is essential for efficient acclimation of Arabidopsis to nutritional phosphate deprivation. *Plant Physiology*, **2010**, 153, 1112-22	6.6	102
131	Feeding hungry plants: The role of purple acid phosphatases in phosphate nutrition. *Plant Science*, **2010**, 179, 14-27	5.3	177
130	In vivo regulatory phosphorylation of the phosphoenolpyruvate carboxylase AtPPC1 in phosphate-starved Arabidopsis thaliana. *Biochemical Journal*, **2009**, 420, 57-65	3.8	82
129	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, 24797-805	5.4	44
128	Regulatory monoubiquitination of phosphoenolpyruvate carboxylase in germinating castor oil seeds. *Journal of Biological Chemistry*, **2008**, 283, 29650-7	5.4	57
127	Coimmunopurification of phosphorylated bacterial- and plant-type phosphoenolpyruvate carboxylases with the plastidial pyruvate dehydrogenase complex from developing castor oil seeds. *Plant Physiology*, **2008**, 146, 1346-57	6.6	39
126	Proteomic analysis of alterations in the secretome of Arabidopsis thaliana suspension cells subjected to nutritional phosphate deficiency. *Proteomics*, **2008**, 8, 4317-26	4.8	77
125	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	4.6	16
124	Bacterial- and plant-type phosphoenolpyruvate carboxylase polypeptides interact in the hetero-oligomeric Class-2 PEPC complex of developing castor oil seeds. *Plant Journal*, **2007**, 52, 839-49	6.9	62

123	Phosphoenolpyruvate carboxylase protein kinase from developing castor oil seeds: partial purification, characterization, and reversible control by photosynthate supply. *Planta*, **2007**, 226, 1299-310	4.7	29
122	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, 1282-93	6.6	114
121	The Functional Organization and Control of Plant Respiration. *Critical Reviews in Plant Sciences*, **2006**, 25, 159-198	5.6	351
120	**2006**,		5
119	Differential synthesis of phosphate-starvation inducible purple acid phosphatase isozymes in tomato (Lycopersicon esculentum) suspension cells and seedlings. *Plant, Cell and Environment*, **2006**, 29, 303-13	8.4	64
118	PURIFICATION AND CHARACTERIZATION OF A HOMODIMERIC ENOLASE FROM SYNECHOCOCCUS PCC 6301 (CYANOPHYCEAE)1. *Journal of Phycology*, **2005**, 41, 515-522	3	1
117	Purification and characterization of an allosteric fructose-1,6-bisphosphate aldolase from germinating mung beans (Vigna radiata). *Phytochemistry*, **2005**, 66, 968-74	4	14
116	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, 1051-62	4.7	38
115	In vivo regulatory phosphorylation of novel phosphoenolpyruvate carboxylase isoforms in endosperm of developing castor oil seeds. *Plant Physiology*, **2005**, 139, 969-78	6.6	43
114	In vitro proteolysis of phosphoenolpyruvate carboxylase from developing castor oil seeds by an endogenous thiol endopeptidase. *Plant and Cell Physiology*, **2005**, 46, 1855-62	4.9	10
113	Phosphate or phosphite addition promotes the proteolytic turnover of phosphate-starvation inducible tomato purple acid phosphatase isozymes. *FEBS Letters*, **2004**, 573, 51-4	3.8	31
112	Structural and kinetic properties of a novel purple acid phosphatase from phosphate-starved tomato (Lycopersicon esculentum) cell cultures. *Biochemical Journal*, **2004**, 377, 419-28	3.8	83
111	Plant Response to Stress: Biochemical Adaptations to Phosphate Deficiency **2004**, 976-980		38
110	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, 758-63	4.9	62
109	Purification and characterization of pyrophosphate- and ATP-dependent phosphofructokinases from banana fruit. *Planta*, **2003**, 217, 113-21	4.7	26
108	Phosphite accelerates programmed cell death in phosphate-starved oilseed rape (Brassica napus) suspension cell cultures. *Planta*, **2003**, 218, 233-9	4.7	38
107	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, 11867-73	5.4	47
106	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, 101-7	4.1	8

105	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, 94-9	3.1	24
104	Purification and characterization of two secreted purple acid phosphatase isozymes from phosphate-starved tomato (Lycopersicon esculentum) cell cultures. *FEBS Journal*, **2002**, 269, 6278-86		117
103	In vitro phosphorylation of phosphoenolpyruvate carboxylase from the green alga Selenastrum minutum. *Plant and Cell Physiology*, **2002**, 43, 785-92	4.9	17
102	Molecular and regulatory properties of leucoplast pyruvate kinase from Brassica napus (rapeseed) suspension cells. *Archives of Biochemistry and Biophysics*, **2002**, 400, 54-62	4.1	27
101	Purification and characterization of banana fruit acid phosphatase. *Planta*, **2001**, 214, 243-9	4.7	24
100	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, 12588-97	5.4	44
99	Structural and regulatory properties of pyruvate kinase from the Cyanobacterium synechococcus PCC 6301. *Journal of Biological Chemistry*, **2001**, 276, 20966-72	5.4	35
98	Phosphite disrupts the acclimation of Saccharomyces cerevisiae to phosphate starvation. *Canadian Journal of Microbiology*, **2001**, 47, 969-78	3.2	36
97	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	2.3	145
96	Phosphite disrupts the acclimation of Saccharomyces cerevisiae to phosphate starvation. *Canadian Journal of Microbiology*, **2001**, 47, 969-978	3.2	11
95	Purification and characterization of cytosolic pyruvate kinase from banana fruit. *Biochemical Journal*, **2000**, 352, 875	3.8	11
94	Purification and characterization of cytosolic pyruvate kinase from Brassica napus (rapeseed) suspension cell cultures: implications for the integration of glycolysis with nitrogen assimilation. *FEBS Journal*, **2000**, 267, 4477-85		55
93	Purification and characterization of phosphoenolpyruvate carboxylase from Brassica napus (rapeseed) suspension cell cultures: implications for phosphoenolpyruvate carboxylase regulation during phosphate starvation, and the integration of glycolysis with nitrogen assimilation. *FEBS Journal*, **2000**, 267, 4465-76		62
92	Upregulation of vacuolar H(+)-translocating pyrophosphatase by phosphate starvation of Brassica napus (rapeseed) suspension cell cultures. *FEBS Letters*, **2000**, 486, 155-8	3.8	33
91	Purification and characterization of cytosolic pyruvate kinase from banana fruit. *Biochemical Journal*, **2000**, 352, 875-882	3.8	12
90	Photosynthesis and carbon partitioning in transgenic tobacco plants deficient in leaf cytosolic pyruvate kinase. *Plant Physiology*, **1999**, 120, 887-96	6.6	36
89	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, 285-94		3
88	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	4.6	18

87	Purification and characterization of cytosolic fructose-1, 6-bisphosphate aldolase from endosperm of germinated castor oil seeds. *Archives of Biochemistry and Biophysics*, **1998**, 355, 189-96	4.1	15
86	Altered growth of transgenic tobacco lacking leaf cytosolic pyruvate kinase. *Plant Physiology*, **1998**, 116, 45-51	6.6	40
85	Purification and characterization of high- and low-molecular-mass isoforms of phosphoenolpyruvate carboxylase from Chlamydomonas reinhardtii. Kinetic, structural and immunological evidence that the green algal enzyme is distinct from the prokaryotic and higher plant enzymes. *Biochemical Journal*, **1998**, 331 (Pt 1), 201-9	3.8	52
84	Characterization of High and Low Molecular Mass Isoforms of Phosphoenolpyruvate Carboxylase from the Green Alga Selenastrum Minutum **1998**, 3403-3406		
83	Regulatory phosphorylation of banana fruit phosphoenolpyruvate carboxylase by a copurifying phosphoenolpyruvate carboxylase-kinase. *FEBS Journal*, **1997**, 247, 642-51		36
82	Disruption of the phosphate-starvation response of oilseed rape suspension cells by the fungicide phosphonate. *Planta*, **1997**, 203, 67-74	4.7	98
81	Disruption of the phosphate-starvation response of oilseed rape suspension cells by the fungicide phosphonate **1997**, 203, 67		10
80	THE ORGANIZATION AND REGULATION OF PLANT GLYCOLYSIS. *Annual Review of Plant Biology*, **1996**, 47, 185-214		650
79	Purification and properties of four phosphoenolpyruvate carboxylase isoforms from the green alga Selenastrum 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	4.1	36
78	Purification and characterization of cytosolic pyruvate kinase from leaves of the castor oil plant. *Archives of Biochemistry and Biophysics*, **1996**, 333, 298-307	4.1	28
77	The Fungicide Phosphonate Disrupts the Phosphate-Starvation Response in Brassica nigra Seedlings. *Plant Physiology*, **1996**, 110, 105-110	6.6	117
76	Purification and characterization of pyrophosphate-dependent phosphofructokinase from phosphate-starved Brassica nigra suspension cells. *Plant Physiology*, **1996**, 112, 343-51	6.6	37
75	Differential expression of cytosolic and plastid pyruvate kinase isozymes in tobacco. *Physiologia Plantarum*, **1995**, 95, 507-514	4.6	15
74	Suborganellar Localization and Molecular Characterization of Nonproteolytic Degraded Leukoplast Pyruvate Kinase from Developing Castor Oil Seeds. *Plant Physiology*, **1995**, 109, 1461-1469	6.6	22
73	Effect of polyethylene glycol on the activity, intrinsic fluorescence, and oligomeric structure of castor seed cytosolic fructose-1,6-bisphosphatase. *FEBS Letters*, **1995**, 368, 559-62	3.8	15
72	Purification and characterization of a novel phosphoenolpyruvate carboxylase from banana fruit. *Biochemical Journal*, **1995**, 307 (Pt 3), 807-16	3.8	54
71	Differential expression of cytosolic and plastid pyruvate kinase isozymes in tobacco. *Physiologia Plantarum*, **1995**, 95, 507-514	4.6	3
70	Interaction of Carbon and Nitrogen Metabolism in Photosynthetic Cells: Clues from Unicellular Algae **1995**, 4245-4250		

69	Characterization of asparaginyl endopeptidase activity in endosperm of developing and germinating castor oil seeds. *Physiologia Plantarum*, **1994**, 91, 599-604	4.6	2
68	Regulation of cytosolic carbon metabolism in germinating Ricinus communis cotyledons. *Planta*, **1994**, 194, 374-380	4.7	45
67	Regulation of cytosolic carbon metabolism in germinating Ricinus communis cotyledons. *Planta*, **1994**, 194, 381-387	4.7	53
66	The role of acid phosphatases in plant phosphorus metabolism. *Physiologia Plantarum*, **1994**, 90, 791-800	4.6	494
65	Characterization of asparaginyl endopeptidase activity in endosperm of developing and germinating castor oil seeds. *Physiologia Plantarum*, **1994**, 91, 599-604	4.6	17
64	Induction of PPi-dependent phosphofructokinase by phosphate starvation in seedlings of Brassica nigra. *Plant, Cell and Environment*, **1994**, 17, 287-294	8.4	21
63	Copurification of cytosolic fructose-1,6-bisphosphatase and cytosolic aldolase from endosperm of germinating castor oil seeds. *Archives of Biochemistry and Biophysics*, **1994**, 312, 326-35	4.1	24
62	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, 50-7	4.1	11
61	Purification and Characterization of a Potato Tuber Acid Phosphatase Having Significant Phosphotyrosine Phosphatase Activity. *Plant Physiology*, **1994**, 106, 223-232	6.6	65
60	The role of acid phosphatases in plant phosphorus metabolism. *Physiologia Plantarum*, **1994**, 90, 791-800	4.6	39
59	Metabolic Adaptations of Plant Respiration to Nutritional Phosphate Deprivation. *Plant Physiology*, **1993**, 101, 339-344	6.6	285
58	Activation of Cytosolic Pyruvate Kinase by Polyethylene Glycol. *Plant Physiology*, **1993**, 103, 285-288	6.6	23
57	The role of inorganic phosphate in the regulation of C4 photosynthesis. *Photosynthesis Research*, **1993**, 35, 205-11	3.7	19
56	Response of aromatic pathway enzymes of plant suspension cells to phosphate limitation. *Bioorganic and Medicinal Chemistry Letters*, **1993**, 3, 1415-1420	2.9	6
55	Phosphoenolpyruvate carboxylase activity and concentration in the endosperm of developing and germinating castor oil seeds. *Plant Physiology*, **1992**, 99, 445-9	6.6	65
54	Normal growth of transgenic tobacco plants in the absence of cytosolic pyruvate kinase. *Plant Physiology*, **1992**, 100, 820-5	6.6	58
53	Evidence for an interaction between cytosolic aldolase and the ATP-and pyrophosphate-dependent phosphofructokinases in carrot storage roots. *FEBS Letters*, **1992**, 313, 277-80	3.8	8
52	Pyruvate-kinase isoenzymes from zygotic and microspore-derived embryos of Brassica napus : Developmental profiles and subunit composition. *Planta*, **1992**, 187, 198-202	4.7	24

51	Plant cytosolic pyruvate kinase: a kinetic study. *BBA - Proteins and Proteomics*, **1992**, 1160, 213-20		27
50	Kinetic and regulatory properties of cytosolic pyruvate kinase from germinating castor oil seeds. *Biochemical Journal*, **1991**, 279 (Pt 2), 495-501	3.8	49
49	Leucoplast Pyruvate Kinase from Developing Castor Oil Seeds : Characterization of the Enzyme's Degradation by a Cysteine Endopeptidase. *Plant Physiology*, **1991**, 97, 1334-8	6.6	26
48	Effects of Phosphorus Limitation on Respiratory Metabolism in the Green Alga Selenastrum minutum. *Plant Physiology*, **1991**, 95, 1089-95	6.6	128
47	Relationship between the Subunits of Leucoplast Pyruvate Kinase from Ricinus communis and a Comparison with the Enzyme from Other Sources. *Plant Physiology*, **1991**, 96, 1283-8	6.6	26
46	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, 9538-42	11.5	102
45	Association of phosphoenolpyruvate phosphatase activity with the cytosolic pyruvate kinase of germinating mung beans. *Plant Physiology*, **1991**, 97, 1329-33	6.6	9
44	High-yield purification of potato tuber pyrophosphate: fructose-6-phosphate 1-phosphotransferase. *Protein Expression and Purification*, **1991**, 2, 29-33	2	13
43	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, 226-32	4.1	46
42	Purification and characterization of cytosolic aldolase from carrot storage root. *Biochemical Journal* , **1990**, 269, 133-9	3.8	26
41	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, 665-9	4.6	24
40	Relationship between NH(4) Assimilation Rate and in Vivo Phosphoenolpyruvate Carboxylase Activity : Regulation of Anaplerotic Carbon Flow in the Green Alga Selenastrum minutum. *Plant Physiology*, **1990**, 94, 284-90	6.6	89
39	Metabolite regulation of partially purified soybean nodule phosphoenolpyruvate carboxylase. *Plant Physiology*, **1990**, 94, 1429-35	6.6	50
38	Regulation of Phosphoenolpyruvate Carboxylase from the Green Alga Selenastrum minutum: Properties Associated with Replenishment of Tricarboxylic Acid Cycle Intermediates during Ammonium Assimilation. *Plant Physiology*, **1990**, 93, 1303-11	6.6	69
37	Purification of leucoplast pyruvate kinase from developing castor bean endosperm. *Plant Physiology*, **1990**, 94, 1528-34	6.6	34
36	Response to Phosphate Deprivation in Brassica nigra Suspension Cells : Enhancement of Intracellular, Cell Surface, and Secreted Phosphatase Activities Compared to Increases in Pi-Absorption Rate. *Plant Physiology*, **1990**, 93, 504-11	6.6	119
35	Glycolysis. *Methods in Plant Biochemistry*, **1990**, 145-173		11
34	Phosphate Starvation Inducible ;Bypasses' of Adenylate and Phosphate Dependent Glycolytic Enzymes in Brassica nigra Suspension Cells. *Plant Physiology*, **1989**, 90, 1275-8	6.6	246

33	Purification and Characterization of a Phosphoenolpyruvate Phosphatase from Brassica nigra Suspension Cells. *Plant Physiology*, **1989**, 90, 734-41	6.6	88
32	Molecular and immunological characterization of plastid and cytosolic pyruvate kinase isozymes from castor-oil-plant endosperm and leaf. *FEBS Journal*, **1989**, 181, 443-51		97
31	Peptide mapping by CNBr fragmentation using a sodium dodecyl sulfate-polyacrylamide minigel system. *Analytical Biochemistry*, **1989**, 178, 391-3	3.1	31
30	Pyruvate kinase isozymes from the green alga, Selenastrum minutum. I. Purification and physical and immunological characterization. *Archives of Biochemistry and Biophysics*, **1989**, 269, 219-27	4.1	51
29	Pyruvate kinase isozymes from the green alga, Selenastrum minutum. II. Kinetic and regulatory properties. *Archives of Biochemistry and Biophysics*, **1989**, 269, 228-38	4.1	65
28	Purification of a novel pyruvate kinase from a green alga. *FEBS Letters*, **1989**, 259, 130-132	3.8	14
27	Purification of pyruvate kinase from germinating castor bean endosperm. *Plant Physiology*, **1988**, 86, 1064-9	6.6	44
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