David A Day

List of Publications by Year in Descending Order

202 papers	12,332 citations	63 h-index	102 g-index
208 ext. papers	13,305 ext. citations	5.8 avg, IF	6.02 L-index

#	Paper	IF	Citations
202	Legume Alternative Oxidase Isoforms Show Differential Sensitivity to Pyruvate Activation.. *Frontiers in Plant Science*, **2021**, 12, 813691	6.2	0
201	The crucial roles of mitochondria in supporting C photosynthesis. *New Phytologist*, **2021**,	9.8	2
200	Malate Transport and Metabolism in Nitrogen-Fixing Legume Nodules. *Molecules*, **2021**, 26,	4.8	2
199	Iron Transport across Symbiotic Membranes of Nitrogen-Fixing Legumes. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
198	Soybean Yellow Stripe-like 7 is a symbiosome membrane peptide transporter important for nitrogen fixation. *Plant Physiology*, **2021**, 186, 581-598	6.6	3
197	Salt-induced expression of intracellular vesicle trafficking genes, CaRab-GTP, and their association with Na accumulation in leaves of chickpea (Cicer arietinum L.). *BMC Plant Biology*, **2020**, 20, 183	5.3	4
196	Identification of Alternative Mitochondrial Electron Transport Pathway Components in Chickpea Indicates a Differential Response to Salinity Stress between Cultivars. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	5
195	GmVTL1a is an iron transporter on the symbiosome membrane of soybean with an important role in nitrogen fixation. *New Phytologist*, **2020**, 228, 667-681	9.8	20
194	Molecular and physiological responses during thermal acclimation of leaf photosynthesis and respiration in rice. *Plant, Cell and Environment*, **2020**, 43, 594-610	8.4	9
193	Energy costs of salt tolerance in crop plants. *New Phytologist*, **2020**, 225, 1072-1090	9.8	144
192	AtNDB2 Is the Main External NADH Dehydrogenase in Mitochondria and Is Important for Tolerance to Environmental Stress. *Plant Physiology*, **2019**, 181, 774-788	6.6	32
191	Genomic structure and expression of alternative oxidase genes in legumes. *Plant, Cell and Environment*, **2019**, 42, 71-84	8.4	12
190	Alternative Oxidase Is Positive for Plant Performance. *Trends in Plant Science*, **2018**, 23, 588-597	13.1	77
189	Isolation and Respiratory Measurements of Mitochondria from Arabidopsis thaliana. *Journal of Visualized Experiments*, **2018**,	1.6	8
188	Alternative Respiratory Pathway Component Genes (AOX and ND) in Rice and Barley and Their Response to Stress. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	25
187	Alternative Oxidase Isoforms Are Differentially Activated by Tricarboxylic Acid Cycle Intermediates. *Plant Physiology*, **2018**, 176, 1423-1432	6.6	52
186	Characterisation of Arabidopsis calnexin 1 and calnexin 2 in the endoplasmic reticulum and at plasmodesmata. *Protoplasma*, **2017**, 254, 125-136	3.4	15

185	Proteomic analysis of the soybean symbiosome identifies new symbiotic proteins. *Molecular and Cellular Proteomics*, **2015**, 14, 1301-22	7.6	55
184	The Symbiosome Membrane **2015**, 683-694		3
183	Online oxygen kinetic isotope effects using membrane inlet mass spectrometry can differentiate between oxidases for mechanistic studies and calculation of their contributions to oxygen consumption in whole tissues. *Analytical Chemistry*, **2014**, 86, 5171-8	7.8	14
182	Transport processes of the legume symbiosome membrane. *Frontiers in Plant Science*, **2014**, 5, 699	6.2	63
181	Soybean SAT1 (Symbiotic Ammonium Transporter 1) encodes a bHLH transcription factor involved in nodule growth and NH4+ transport. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 4814-9	11.5	54
180	Iron: an essential micronutrient for the legume-rhizobium symbiosis. *Frontiers in Plant Science*, **2013** , 4, 359	6.2	110
179	Cyclin-dependent kinase E1 (CDKE1) provides a cellular switch in plants between growth and stress responses. *Journal of Biological Chemistry*, **2013**, 288, 3449-59	5.4	95
178	The absence of alternative oxidase AOX1A results in altered response of photosynthetic carbon assimilation to increasing CO(2) in Arabidopsis thaliana. *Plant and Cell Physiology*, **2012**, 53, 1627-37	4.9	40
177	A GmAOX2b antisense gene compromises vegetative growth and seed production in soybean. *Planta*, **2012**, 236, 199-207	4.7	14
176	Cell-to-cell transport via the lumen of the endoplasmic reticulum. *Plant Journal*, **2011**, 66, 806-17	6.9	45
175	Organization and regulation of mitochondrial respiration in plants. *Annual Review of Plant Biology*, **2011**, 62, 79-104	30.7	434
174	Alterations in the mitochondrial alternative NAD(P)H Dehydrogenase NDB4 lead to changes in mitochondrial electron transport chain composition, plant growth and response to oxidative stress. *Plant and Cell Physiology*, **2011**, 52, 1222-37	4.9	33
173	Photosynthetic performance and fertility are repressed in GmAOX2b antisense soybean. *Plant Physiology*, **2010**, 152, 1638-49	6.6	26
172	Arabidopsis phospholipase D□s an initiator of cytoskeleton-mediated signalling to fundamental cellular processes. *Functional Plant Biology*, **2009**, 36, 190-198	2.7	39
171	Reflection across plant cell boundaries in confocal laser scanning microscopy. *Journal of Microscopy*, **2008**, 231, 349-57	1.9	13
170	Dynamic changes in the mitochondrial electron transport chain underpinning cold acclimation of leaf respiration. *Plant, Cell and Environment*, **2008**, 31, 1156-69	8.4	96
169	Type II NAD(P)H dehydrogenases are targeted to mitochondria and chloroplasts or peroxisomes in Arabidopsis thaliana. *FEBS Letters*, **2008**, 582, 3073-9	3.8	81
168	Mitochondrial biogenesis and function in Arabidopsis. *The Arabidopsis Book*, **2008**, 6, e0111	3	32

167	Complex I dysfunction redirects cellular and mitochondrial metabolism in Arabidopsis. *Plant Physiology*, **2008**, 148, 1324-41	6.6	82
166	Identification of intra- and intermolecular disulphide bonding in the plant mitochondrial proteome by diagonal gel electrophoresis. *Proteomics*, **2007**, 7, 4158-70	4.8	48
165	The Cytotoxic lipid peroxidation product 4-hydroxy-2-nonenal covalently modifies a selective range of proteins linked to respiratory function in plant mitochondria. *Journal of Biological Chemistry*, **2007**, 282, 37436-47	5.4	68
164	Characterization of mitochondrial alternative NAD(P)H dehydrogenases in Arabidopsis: intraorganelle location and expression. *Plant and Cell Physiology*, **2006**, 47, 43-54	4.9	112
163	Sensitivity of plant mitochondrial terminal oxidases to the lipid peroxidation product 4-hydroxy-2-nonenal (HNE). *Biochemical Journal*, **2005**, 387, 865-70	3.8	63
162	Response of mitochondria to light intensity in the leaves of sun and shade species. *Plant, Cell and Environment*, **2005**, 28, 760-771	8.4	73
161	Stress-induced co-expression of alternative respiratory chain components in Arabidopsis thaliana. *Plant Molecular Biology*, **2005**, 58, 193-212	4.6	253
160	Differential impact of environmental stresses on the pea mitochondrial proteome. *Molecular and Cellular Proteomics*, **2005**, 4, 1122-33	7.6	214
159	Effects of water stress on respiration in soybean leaves. *Plant Physiology*, **2005**, 139, 466-73	6.6	221
158	Proteomic analysis on symbiotic differentiation of mitochondria in soybean nodules. *Plant and Cell Physiology*, **2004**, 45, 300-8	4.9	49
157	Developmental physiology of cluster-root carboxylate synthesis and exudation in harsh hakea. Expression of phosphoenolpyruvate carboxylase and the alternative oxidase. *Plant Physiology*, **2004** , 135, 549-60	6.6	132
156	Lipoic acid-dependent oxidative catabolism of alpha-keto acids in mitochondria provides evidence for branched-chain amino acid catabolism in Arabidopsis. *Plant Physiology*, **2004**, 134, 838-48	6.6	146
155	Salicylic acid is an uncoupler and inhibitor of mitochondrial electron transport. *Plant Physiology*, **2004**, 134, 492-501	6.6	222
154	Maintenance of growth rate at low temperature in rice and wheat cultivars with a high degree of respiratory homeostasis is associated with a high efficiency of respiratory ATP production. *Plant and Cell Physiology*, **2004**, 45, 1015-22	4.9	41
153	Effect of respiratory homeostasis on plant growth in cultivars of wheat and rice. *Plant, Cell and Environment*, **2004**, 27, 853-862	8.4	57
152	Mitochondrial permeability transition induced by dinuclear gold(I)-carbene complexes: potential new antimitochondrial antitumour agents. *Journal of Inorganic Biochemistry*, **2004**, 98, 1642-7	4.2	202
151	Experimental analysis of the Arabidopsis mitochondrial proteome highlights signaling and regulatory components, provides assessment of targeting prediction programs, and indicates plant-specific mitochondrial proteins. *Plant Cell*, **2004**, 16, 241-56	11.6	461
150	Targets of stress-induced oxidative damage in plant mitochondria and their impact on cell carbon/nitrogen metabolism. *Journal of Experimental Botany*, **2004**, 55, 1-10	7	77

149	Respiratory gene expression in soybean cotyledons during post-germinative development. *Plant Molecular Biology*, **2003**, 51, 745-55	4.6	14
148	The soybean NRAMP homologue, GmDMT1, is a symbiotic divalent metal transporter capable of ferrous iron transport. *Plant Journal*, **2003**, 35, 295-304	6.9	138
147	Proteomic identification of divalent metal cation binding proteins in plant mitochondria. *FEBS Letters*, **2003**, 537, 96-100	3.8	50
146	Environmental stresses inhibit and stimulate different protein import pathways in plant mitochondria. *FEBS Letters*, **2003**, 547, 125-30	3.8	41
145	A tomato alternative oxidase protein with altered regulatory properties. *Biochimica Et Biophysica Acta - Bioenergetics*, **2003**, 1606, 153-62	4.6	69
144	What makes a mitochondrion?. *Genome Biology*, **2003**, 4, 218	18.3	11
143	Identification of AtNDI1, an internal non-phosphorylating NAD(P)H dehydrogenase in Arabidopsis mitochondria. *Plant Physiology*, **2003**, 133, 1968-78	6.6	51
142	Analysis of the alternative oxidase promoters from soybean. *Plant Physiology*, **2003**, 133, 1158-69	6.6	95
141	The impact of oxidative stress on Arabidopsis mitochondria. *Plant Journal*, **2002**, 32, 891-904	6.9	420
140	Regulation of alternative oxidase gene expression in soybean. *Plant Molecular Biology*, **2002**, 50, 735-42	4.6	79
139	Environmental stress causes oxidative damage to plant mitochondria leading to inhibition of glycine decarboxylase. *Journal of Biological Chemistry*, **2002**, 277, 42663-8	5.4	155
138	GmZIP1 encodes a symbiosis-specific zinc transporter in soybean. *Journal of Biological Chemistry*, **2002**, 277, 4738-46	5.4	123
137	Molecular distinction between alternative oxidase from monocots and dicots. *Plant Physiology*, **2002**, 129, 949-53	6.6	170
136	Mitochondrial protein expression in tomato fruit during on-vine ripening and cold storage. *Functional Plant Biology*, **2002**, 29, 827-834	2.7	37
135	Reassessment of major products of N2 fixation by bacteroids from soybean root nodules. *Microbiology (United Kingdom)*, **2002**, 148, 1959-1966	2.9	26
134	Nitric Oxide Synthesis by Plants and its Potential Impact on Nitrogen and Respiratory Metabolism. *Advances in Photosynthesis and Respiration*, **2002**, 193-204	1.7	4
133	Ammonia and amino acid transport across symbiotic membranes in nitrogen-fixing legume nodules. *Cellular and Molecular Life Sciences*, **2001**, 58, 61-71	10.3	91
132	Unraveling the role of mitochondria during oxidative stress in plants. *IUBMB Life*, **2001**, 51, 201-5	4.7	39

131	Polyamines as potential regulators of nutrient exchange across the peribacteroid membrane in soybean root nodules. *Functional Plant Biology*, **2001**, 28, 677	2.7	7
130	Nutrient transport across symbiotic membranes from legume nodules. *Functional Plant Biology*, **2001**, 28, 669	2.7	9
129	Supply of O2 regulates demand for O2 and uptake of malate by N2-fixing bacteroids from soybean nodules. *Microbiology (United Kingdom)*, **2001**, 147, 663-670	2.9	9
128	Catabolism of alpha-ketoglutarate by a sucA mutant of Bradyrhizobium japonicum: evidence for an alternative tricarboxylic acid cycle. *Journal of Bacteriology*, **2000**, 182, 2838-44	3.5	65
127	Symbiosome Metabolism in Legume Nodules **2000**, 349-350		
126	Induction of alternative oxidase by excess copper in sycamore cell suspensions. *Plant Physiology and Biochemistry*, **1999**, 37, 131-137	5.4	19
125	Localization of H(+)-ATPases in soybean root nodules. *Planta*, **1999**, 209, 25-32	4.7	52
124	An alternative oxidase monoclonal antibody recognises a highly conserved sequence among alternative oxidase subunits. *FEBS Letters*, **1999**, 447, 21-4	3.8	33
123	A single amino acid change in the plant alternative oxidase alters the specificity of organic acid activation. *FEBS Letters*, **1999**, 454, 220-4	3.8	41
122	The multiple alternative oxidase proteins of soybean. *Functional Plant Biology*, **1999**, 26, 337	2.7	8
121	Calculation of the oxygen isotope discrimination factor for studying plant respiration. *Functional Plant Biology*, **1999**, 26, 773	2.7	12
120	A matrix-located processing peptidase of plant mitochondria. *Plant Molecular Biology*, **1998**, 36, 171-81	4.6	17
119	Cytoskeletal arrays in the cells of soybean root nodules: The role of actin microfilaments in the organisation of symbiosomes. *Protoplasma*, **1998**, 203, 194-205	3.4	25
118	Ferrous iron is transported across the peribacteroid membrane of soybean nodules. *Planta*, **1998**, 207, 83-87	4.7	38
117	Divalent cation gating of an ammonium permeable channel in the symbiotic membrane from soybean nodules. *Plant Journal*, **1998**, 16, 313-324	6.9	25
116	Aspartate and alanine movement across symbiotic membranes of soybean nodules. *Soil Biology and Biochemistry*, **1998**, 30, 1583-1589	7.5	11
115	Characterization of an ammonium transport protein from the peribacteroid membrane of soybean nodules. *Science*, **1998**, 281, 1202-6	33.3	63
114	Analysis of respiratory chain regulation in roots of soybean seedlings. *Plant Physiology*, **1998**, 117, 1083-93	8.6	125

113	Differential expression of alternative oxidase genes in soybean cotyledons during postgerminative development. *Plant Physiology*, **1998**, 118, 675-82	6.6	63
112	Differential expression of the multigene family encoding the soybean mitochondrial alternative oxidase. *Plant Physiology*, **1997**, 114, 455-66	6.6	127
111	The peribacteroid membrane. *Physiologia Plantarum*, **1997**, 100, 30-44	4.6	4
110	METABOLITE TRANSPORT ACROSS SYMBIOTIC MEMBRANES OF LEGUME NODULES. *Annual Review of Plant Biology*, **1997**, 48, 493-523		299
109	Alternative solutions to radical problems. *Trends in Plant Science*, **1997**, 2, 288-290	13.1	48
108	The peribacteroid membrane. *Physiologia Plantarum*, **1997**, 100, 30-44	4.6	77
107	Expression and kinetics of the mitochondrial alternative oxidase in nitrogen-fixing nodules of soybean roots. *Plant, Cell and Environment*, **1997**, 20, 1273-1282	8.4	32
106	Induction of alternative oxidase synthesis by herbicides inhibiting branched-chain amino acid synthesis. *Plant Journal*, **1997**, 11, 649-657	6.9	38
105	Evidence for a link between translocation and processing during protein import into soybean mitochondria. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **1996**, 1312, 48-54	4.9	25
104	Characterization of the import pathway of the F(A)d subunit of mitochondrial ATP synthase into isolated plant mitochondria. *Archives of Biochemistry and Biophysics*, **1996**, 335, 358-68	4.1	28
103	Nitric oxide inhibits the cytochrome oxidase but not the alternative oxidase of plant mitochondria. *FEBS Letters*, **1996**, 398, 155-8	3.8	187
102	Iron Uptake by Symbiosomes from Soybean Root Nodules. *Plant Physiology*, **1996**, 111, 893-900	6.6	61
101	The Cyanide-Resistant Oxidase: To Inhibit or Not to Inhibit, That Is the Question. *Plant Physiology*, **1996**, 110, 1-2	6.6	129
100	Specificity of the Organic Acid Activation of Alternative Oxidase in Plant Mitochondria. *Plant Physiology*, **1996**, 111, 613-618	6.6	96
99	Identification and Characterization of an Inducible NAD(P)H Dehydrogenase from Red Beetroot Mitochondria. *Plant Physiology*, **1996**, 112, 607-613	6.6	17
98	Cloning, analysis and inactivation of the ndhK gene encoding a subunit of NADH quinone oxidoreductase from Anabaena PCC 7120. *FEBS Journal*, **1996**, 240, 173-80		3
97	Siderophore-bound iron in the peribacteriod space of soybean root nodules. *Plant and Soil*, **1996**, 178, 161-169	4.2	58
96	The alternative oxidase is encoded in a multigene family in soybean. *Planta*, **1996**, 198, 197-201	4.7	70

95	Purification and characterization of a 43-kDa rotenone-insensitive NADH dehydrogenase from plant mitochondria. *Journal of Biological Chemistry*, **1996**, 271, 23117-20	5.4	26
94	Regulation of alternative oxidase activity in higher plants. *Journal of Bioenergetics and Biomembranes*, **1995**, 27, 379-85	3.7	87
93	Studies on the import and processing of the alternative oxidase precursor by isolated soybean mitochondria. *Plant Molecular Biology*, **1995**, 27, 769-78	4.6	49
92	Microaerobic respiration and oxidative phosphorylation by soybean nodule mitochondria: implications for nitrogen fixation. *Plant, Cell and Environment*, **1995**, 18, 715-726	8.4	47
91	A channel-like transporter for NH4+ on the symbiotic interface of N2-fixing plants. *Nature*, **1995**, 378, 629-632	50.4	153
90	Cloning of an additional cDNA for the alternative oxidase in tobacco. *Plant Physiology*, **1995**, 107, 1469-76	6.6	49
89	A critique of the use of inhibitors to estimate partitioning of electrons between mitochondrial respiratory pathways in plants. *Physiologia Plantarum*, **1995**, 95, 523-532	4.6	41
88	Alternative Oxidase Activity in Tobacco Leaf Mitochondria (Dependence on Tricarboxylic Acid Cycle-Mediated Redox Regulation and Pyruvate Activation). *Plant Physiology*, **1995**, 109, 353-361	6.6	194
87	Cytochrome and alternative respiratory pathways compete for electrons in the presence of pyruvate in soybean mitochondria. *Archives of Biochemistry and Biophysics*, **1995**, 318, 394-400	4.1	114
86	Regulation of the Alternative Oxidase in Plants and Fungi.. *Functional Plant Biology*, **1995**, 22, 497	2.7	77
85	Regulation of Alternative Oxidase Activity by Pyruvate in Soybean Mitochondria. *Plant Physiology*, **1994**, 106, 1421-1427	6.6	81
84	Isolation of a novel soybean gene encoding a mitochondrial ATP synthase subunit. *Archives of Biochemistry and Biophysics*, **1994**, 313, 235-40	4.1	26
83	An hypothesis for the role of malic enzyme in symbiotic nitrogen fixation in soybean nodules **1994**, 159-164		5
82	Cyanide-insensitive oxygen uptake and pyridine nucleotide dehydrogenases in the cyanobacterium Anabaena PCC 7120. *Biochimica Et Biophysica Acta - Bioenergetics*, **1993**, 1141, 313-320	4.6	20
81	Sequencing of a soybean alternative oxidase cDNA clone. *Plant Physiology*, **1993**, 103, 1481	6.6	47
80	Organic acid activation of the alternative oxidase of plant mitochondria. *FEBS Letters*, **1993**, 329, 259-62	3.8	216
79	How is leghemoglobin involved in peribacteroid membrane degradation during nodule senescence?. *FEBS Letters*, **1993**, 326, 33-8	3.8	13
78	Tissue-specific expression of the alternative oxidase in soybean and siratro. *Plant Physiology*, **1992**, 99, 712-7	6.6	63

77	Cloning of ndhK from soybean chloroplasts using antibodies raised to mitochondrial complex I. *Plant Molecular Biology*, **1992**, 20, 887-95	4.6	13
76	Matrix NADH dehydrogenases of plant mitochondria and sites of quinone reduction by complex I. *FEBS Journal*, **1992**, 208, 481-5		16
75	Linear convergence in the shifted QR algorithm. *Mathematics of Computation*, **1992**, 59, 141-141	1.6	3
74	Regulation of Alternative Pathway Activity in Plant Mitochondria : Deviations from Q-Pool Behavior during Oxidation of NADH and Quinols. *Plant Physiology*, **1991**, 95, 948-53	6.6	50
73	ATPase activity and anion transport across the peribacteroid membrane of isolated soybean symbiosomes. *Archives of Microbiology*, **1991**, 156, 362-366	3	41
72	Permeability of Isolated Infected Cells from Soybean Nodules. *Journal of Experimental Botany*, **1991**, 42, 1325-1329	7	6
71	Protein phosphorylation stimulates the rate of malate uptake across the peribacteroid membrane of soybean nodules. *FEBS Letters*, **1991**, 293, 188-90	3.8	60
70	Adenylate control of respiration in plants: the contribution of rotenone-insensitive electron transport to ADP-limited oxygen consumption by soybean mitochondria. *Physiologia Plantarum*, **1990**, 78, 105-111	4.6	11
69	Mechanism of soybean nodule adaptation to different oxygen pressures. *Plant, Cell and Environment*, **1990**, 13, 501-512	8.4	98
68	Specificity and regulation of the dicarboxylate carrier on the peribacteroid membrane of soybean nodules. *Planta*, **1990**, 182, 437-44	4.7	42
67	Tricarboxylic Acid Cycle Activity in Mitochondria from Soybean Nodules and Cotyledons. *Journal of Experimental Botany*, **1990**, 41, 961-967	7	11
66	Evidence for Metabolic Domains within the Matrix Compartment of Pea Leaf Mitochondria : Implications for Photorespiratory Metabolism. *Plant Physiology*, **1990**, 93, 611-6	6.6	35
65	Ammonia (C-Methylamine) Transport across the Bacteroid and Peribacteroid Membranes of Soybean Root Nodules. *Plant Physiology*, **1990**, 94, 71-6	6.6	37
64	Adenylate control of respiration in plants: the contribution of rotenone-insensitive electron transport to ADP-limited oxygen consumption by soybean mitochondria. *Physiologia Plantarum*, **1990**, 78, 105-111	4.6	11
63	Interactions between Irradiance Levels, Nodulation and Nitrogenase Activity of Soybean cv. Bragg and a Supernodulating Mutant. *Journal of Plant Physiology*, **1990**, 136, 172-179	3.6	19
62	A Comparison of the Respiratory Processes and Growth Rate of Selected Australian Alpine and Related Lowland Plant Species. *Functional Plant Biology*, **1990**, 17, 517	2.7	25
61	Sugar and Amino Acid Transport Across Symbiotic Membranes from Soybean Nodules. *Molecular Plant-Microbe Interactions*, **1990**, 3, 334	3.6	49
60	Nutrient exchange across the peribacteroid membrane of isolated symbiosomes **1990**, 219-226		13

59	Electrogenic ATPase Activity on the Peribacteroid Membrane of Soybean (Glycine max L.) Root Nodules. *Plant Physiology*, **1989**, 90, 982-7	6.6	81
58	Relationship between autoregulation and nitrate inhibition of nodulation in soybeans. *Physiologia Plantarum*, **1989**, 75, 37-42	4.6	59
57	Regulation of alternative pathway activity in plant mitochondria: nonlinear relationship between electron flux and the redox poise of the quinone pool. *Archives of Biochemistry and Biophysics*, **1989** , 273, 148-57	4.1	131
56	Membrane Interface of the Bradyrhizobium japonicum - Glycine max Symbiosis: Peribacteroid Units From Soyabean Nodules. *Functional Plant Biology*, **1989**, 16, 69	2.7	42
55	Nitrogenase activity and ureide levels in a supernodulating soybean mutant: Effects of inoculum dose and nitrate treatment. *Physiologia Plantarum*, **1988**, 74, 66-71	4.6	7
54	A dicarboxylate transporter on the peribacteroid membrane of soybean nodules. *FEBS Letters*, **1988**, 231, 36-40	3.8	122
53	Suppression of the Symbiotic Supernodulation Symptoms of Soybean. *Journal of Plant Physiology*, **1988**, 132, 417-423	3.6	23
52	Mutants of Bradyrhizobium (Parasponia) sp. ANU 289 Affected in Assimilatory Nitrate Reduction also Show Lowered Symbiotic Effectiveness. *Journal of Plant Physiology*, **1988**, 132, 5-9	3.6	2
51	Regulation of nonphosphorylating electron transport pathways in soybean cotyledon mitochondria and its implications for fat metabolism. *Plant Physiology*, **1988**, 86, 1199-204	6.6	34
50	Rapid Isolation of Intact Peribacteroid Envelopes from Soybean Nodules and Demonstration of Selective Permeability to Metabolites. *Journal of Plant Physiology*, **1987**, 130, 157-164	3.6	54
49	Respiration in Intact Tissues: Problems and Perspectives **1987**, 321-330		3
48	Salt Tolerance Does Leaf Respiration Have a Contribution to Make? **1987**, 393-396		2
47	Plant Host Genetics of Nodulation Initiation in Soybean. *Current Plant Science and Biotechnology in Agriculture*, **1987**, 85-90		2
46	Stimulation of respiration and nitrogenase in bacteroids of Siratro (Macroptilium atropurpureum) by plant nodule cytosol. *Plant Cell Reports*, **1986**, 5, 207-9	5.1	4
45	Growth comparisons of a supernodulating soybean (Glycine max) mutant and its wild-type parent. *Physiologia Plantarum*, **1986**, 68, 375-382	4.6	85
44	Isolation and oxidative properties of mitochondria and bacteroids from soybean root nodules. *Protoplasma*, **1986**, 134, 121-129	3.4	27
43	Hydroxamate-Stimulated O(2) Uptake in Roots of Pisum sativum and Zea mays, Mediated by a Peroxidase : Its Consequences for Respiration Measurements. *Plant Physiology*, **1986**, 82, 236-40	6.6	63
42	Enzymes of ammonia assimilation and ureide biosynthesis in soybean nodules: effect of nitrate. *Plant Physiology*, **1986**, 80, 646-50	6.6	34

41	Regulation of the soybean-Rhizobium nodule symbiosis by shoot and root factors. *Plant Physiology*, **1986**, 82, 588-90	6.6	283
40	Regulation of Respiration in the Leaves and Roots of Two Lolium perenne Populations with Contrasting Mature Leaf Respiration Rates and Crop Yields. *Plant Physiology*, **1985**, 78, 678-83	6.6	56
39	Transport of NAD in Percoll-Purified Potato Tuber Mitochondria: Inhibition of NAD Influx and Efflux by N-4-Azido-2-nitrophenyl-4-aminobutyryl-3RNAD. *Plant Physiology*, **1985**, 78, 405-10	6.6	40
38	Biochemical Characterization of Chlorophyll-Free Mitochondria From Pea Leaves. *Functional Plant Biology*, **1985**, 12, 219	2.7	133
37	Plant Host Genetics of Nodulation and Symbiotic Nitrogen Fixation in Pea and Soybean. *Current Plant Science and Biotechnology in Agriculture*, **1985**, 19-25		11
36	Interactions Between Glycine Decarboxylase, the Tricarboxylic Acid Cycle and the Respiratory Chain in Pea Leaf Mitochondria. *Functional Plant Biology*, **1985**, 12, 119	2.7	30
35	Investigations of the role of the main light-harvesting chlorophyll-protein complex in thylakoid membranes. Reconstitution of depleted membranes from intermittent-light-grown plants with the isolated complex. *Journal of Cell Biology*, **1984**, 98, 163-72	7.3	43
34	Transport of coenzyme A in plant mitochondria. *Archives of Biochemistry and Biophysics*, **1984**, 229, 253-8	4.1	41
33	Activation of NAD-linked malic enzyme in intact plant mitochondria by exogenous coenzyme A. *Archives of Biochemistry and Biophysics*, **1984**, 231, 233-42	4.1	39
32	Effect of photosynthesis and carbohydrate status on respiratory rates and the involvement of the alternative pathway in leaf respiration. *Plant Physiology*, **1983**, 72, 598-603	6.6	190
31	The regulation of respiration in the dark in wheat leaf slices. *Plant Science Letters*, **1983**, 32, 313-320		37
30	Preferential oxidation of glycine by the respiratory chain of pea leaf mitochondria. *FEBS Letters*, **1983**, 158, 154-158	3.8	38
29	Exogenous NAD Effects on Plant Mitochondria: A Reinvestigation of the Transhydrogenase Hypothesis. *Plant Physiology*, **1983**, 73, 1024-7	6.6	14
28	Respiratory Properties of Developing Bean and Pea Leaves. *Functional Plant Biology*, **1983**, 10, 237	2.7	14
27	Cyanide-resistant respiration in roots and leaves. Measurements with intact tissues and isolated mitochondria. *Physiologia Plantarum*, **1983**, 58, 148-154	4.6	97
26	The regulation of glycolysis and electron transport in roots. *Physiologia Plantarum*, **1983**, 58, 155-166	4.6	65
25	Malate oxidation, rotenone-resistance, and alternative path activity in plant mitochondria. *Plant Physiology*, **1982**, 70, 959-64	6.6	33
24	Effect of phthalonic acid on respiration and metabolite transport in higher plant mitochondria. *Archives of Biochemistry and Biophysics*, **1981**, 211, 100-7	4.1	31

23	Dicarboxylate transport in maize mesophyll chloroplasts. *Archives of Biochemistry and Biophysics*, **1981**, 211, 738-42	4.1	28
22	Transport of 3-phosphoglyceric acid, phosphoenolpyruvate, and inorganic phosphate in maize mesophyll chloroplasts,, and the effect of 3-phosphoglyceric acid on malate and phosphoenolpyruvate production. *Archives of Biochemistry and Biophysics*, **1981**, 211, 743-9	4.1	43
21	Isolation and Properties of Functional Mesophyll Protoplasts and Chloroplasts From Zea mays. *Functional Plant Biology*, **1981**, 8, 21	2.7	18
20	Glycine metabolism and oxalacetate transport by pea leaf mitochondria. *Plant Physiology*, **1981**, 68, 425-9	6.6	59
19	Malate Decarboxylation by Kalanchoë daigremontiana Mitochondria and Its Role in Crassulacean Acid Metabolism. *Plant Physiology*, **1980**, 65, 675-9	6.6	44
18	Glycine transport by pea leaf mitochondria. *FEBS Letters*, **1980**, 112, 191-194	3.8	30
17	Nature and Control of Respiratory Pathways in Plants: The Interaction of Cyanide-Resistant Respiration with the Cyanide-Sensitive Pathway **1980**, 197-241		3
16	Rotenone-Insensitive Malate Oxidation by Isolated Plant Mitochondria. *Journal of Experimental Botany*, **1979**, 30, 99-107	7	13
15	Enzyme Distribution in Potato Mitochondria. *Journal of Experimental Botany*, **1979**, 30, 539-549	7	26
14	On methods for the isolation of mitochondria from etiolated corn shoots. *Plant Science Letters*, **1978**, 11, 99-104		34
13	The effect of carboxins on higher plant mitochondria. *FEBS Letters*, **1978**, 85, 99-102	3.8	10
12	The effect of calcium on the respiratory responses of corn mitochondria. *Biochimica Et Biophysica Acta - Bioenergetics*, **1978**, 502, 289-97	4.6	20
11	Pyridine nucleotide interactions with isolated plant mitochondria. *Biochimica Et Biophysica Acta - Bioenergetics*, **1978**, 501, 396-404	4.6	20
10	Effect of ethylene and carbon dioxide on potato metabolism: stimulation of tuber and mitochondrial respiration, and inducement of the alternative path. *Plant Physiology*, **1978**, 62, 820-5	6.6	43
9	Effect of Ethylene on the Respiratory Response of Isolated Sweet Potato Mitochondria. *Functional Plant Biology*, **1978**, 5, 239	2.7	2
8	Pyruvate and malate transport and oxidation in corn mitochondria. *Plant Physiology*, **1977**, 59, 630-5	6.6	81
7	Effect of phosphate and uncouplers on substrate transport and oxidation by isolated corn mitochondria. *Plant Physiology*, **1977**, 59, 139-44	6.6	34
6	Glutamate transport by plant mitochondria. *Plant Science Letters*, **1977**, 9, 33-36		13

5	Factors limiting respiration by isolated cauliflower mitochondria. *Phytochemistry*, **1977**, 16, 1499-1502	4	32
4	Characteristics of External NADH Oxidation by Beetroot Mitochondria. *Plant Physiology*, **1976**, 58, 38-42	6.6	40
3	Isolation and properties of the outer membrane of plant mitochondria. *Archives of Biochemistry and Biophysics*, **1975**, 171, 117-23	4.1	52
2	The oxidation of malate and exogenous reduced nicotinamide adenine dinucleotide by isolated plant mitochondria. *Plant Physiology*, **1974**, 53, 104-9	6.6	77
1	The Effect of Exogenous Nicotinamide Adenine Dinucleotide on the Oxidation of Nicotinamide Adenine Dinucleotide-linked Substrates by Isolated Plant Mitochondria. *Plant Physiology*, **1974**, 54, 360-3	6.6	38