

# David A Day

## List of Publications by Year in descending order

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202  
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14,576  
citations

15504

65  
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24258

110  
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208  
all docs

208  
docs citations

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times ranked

8410  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Analysis of the Arabidopsis Mitochondrial Proteome Highlights Signaling and Regulatory Components, Provides Assessment of Targeting Prediction Programs, and Indicates Plant-Specific Mitochondrial Proteins [W]. <i>Plant Cell</i> , 2004, 16, 241-256.	6.6	550
2	Organization and Regulation of Mitochondrial Respiration in Plants. <i>Annual Review of Plant Biology</i> , 2011, 62, 79-104.	18.7	537
3	The impact of oxidative stress on Arabidopsis mitochondria. <i>Plant Journal</i> , 2002, 32, 891-904.	5.7	478
4	METABOLITE TRANSPORT ACROSS SYMBIOTIC MEMBRANES OF LEGUME NODULES. <i>Annual Review of Plant Biology</i> , 1997, 48, 493-523.	14.3	343
5	Regulation of the Soybean- <i>Rhizobium</i> Nodule Symbiosis by Shoot and Root Factors. <i>Plant Physiology</i> , 1986, 82, 588-590.	4.8	314
6	Stress-induced co-expression of alternative respiratory chain components in Arabidopsis thaliana. <i>Plant Molecular Biology</i> , 2005, 58, 193-212.	3.9	302
7	Energy costs of salt tolerance in crop plants. <i>New Phytologist</i> , 2020, 225, 1072-1090.	7.3	284
8	Salicylic Acid Is an Uncoupler and Inhibitor of Mitochondrial Electron Transport. <i>Plant Physiology</i> , 2004, 134, 492-501.	4.8	256
9	Organic acid activation of the alternative oxidase of plant mitochondria. <i>FEBS Letters</i> , 1993, 329, 259-262.	2.8	254
10	Effects of Water Stress on Respiration in Soybean Leaves. <i>Plant Physiology</i> , 2005, 139, 466-473.	4.8	245
11	Differential Impact of Environmental Stresses on the Pea Mitochondrial Proteome. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1122-1133.	3.8	231
12	Mitochondrial permeability transition induced by dinuclear gold(I)-carbene complexes: potential new antimitochondrial antitumour agents. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 1642-1647.	3.5	223
13	Nitric oxide inhibits the cytochrome oxidase but not the alternative oxidase of plant mitochondria. <i>FEBS Letters</i> , 1996, 398, 155-158.	2.8	220
14	Effect of Photosynthesis and Carbohydrate Status on Respiratory Rates and the Involvement of the Alternative Pathway in Leaf Respiration. <i>Plant Physiology</i> , 1983, 72, 598-603.	4.8	212
15	Alternative Oxidase Activity in Tobacco Leaf Mitochondria (Dependence on Tricarboxylic Acid) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T</i>	4.8	212
16	Molecular Distinction between Alternative Oxidase from Monocots and Dicots. <i>Plant Physiology</i> , 2002, 129, 949-953.	4.8	189
17	Lipoic Acid-Dependent Oxidative Catabolism of $\beta$ -Keto Acids in Mitochondria Provides Evidence for Branched-Chain Amino Acid Catabolism in Arabidopsis. <i>Plant Physiology</i> , 2004, 134, 838-848.	4.8	176
18	Biochemical Characterization of Chlorophyll-Free Mitochondria From Pea Leaves. <i>Functional Plant Biology</i> , 1985, 12, 219.	2.1	175

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19	Environmental Stress Causes Oxidative Damage to Plant Mitochondria Leading to Inhibition of Glycine Decarboxylase. <i>Journal of Biological Chemistry</i> , 2002, 277, 42663-42668.	3.4	172
20	A channel-like transporter for NH <sub>4</sub> <sup>+</sup> on the symbiotic interface of N <sub>2</sub> -fixing plants. <i>Nature</i> , 1995, 378, 629-632.	27.8	167
21	Iron: an essential micronutrient for the legume-rhizobium symbiosis. <i>Frontiers in Plant Science</i> , 2013, 4, 359.	3.6	166
22	Developmental Physiology of Cluster-Root Carboxylate Synthesis and Exudation in Harsh Hakea. Expression of Phosphoenolpyruvate Carboxylase and the Alternative Oxidase. <i>Plant Physiology</i> , 2004, 135, 549-560.	4.8	160
23	The soybean NRAMP homologue, GmDMT1, is a symbiotic divalent metal transporter capable of ferrous iron transport. <i>Plant Journal</i> , 2003, 35, 295-304.	5.7	157
24	Regulation of alternative pathway activity in plant mitochondria: Nonlinear relationship between electron flux and the redox poise of the quinone pool. <i>Archives of Biochemistry and Biophysics</i> , 1989, 273, 148-157.	3.0	145
25	A dicarboxylate transporter on the peribacteroid membrane of soybean nodules. <i>FEBS Letters</i> , 1988, 231, 36-40.	2.8	141
26	GmZIP1 Encodes a Symbiosis-specific Zinc Transporter in Soybean. <i>Journal of Biological Chemistry</i> , 2002, 277, 4738-4746.	3.4	140
27	The Cyanide-Resistant Oxidase: To Inhibit or Not to Inhibit, That Is the Question. <i>Plant Physiology</i> , 1996, 110, 1-2.	4.8	138
28	Analysis of Respiratory Chain Regulation in Roots of Soybean Seedlings <sup>1</sup> . <i>Plant Physiology</i> , 1998, 117, 1083-1093.	4.8	132
29	Differential Expression of the Multigene Family Encoding the Soybean Mitochondrial Alternative Oxidase. <i>Plant Physiology</i> , 1997, 114, 455-466.	4.8	130
30	Characterization of Mitochondrial Alternative NAD(P)H Dehydrogenases in Arabidopsis: Intraorganelle Location and Expression. <i>Plant and Cell Physiology</i> , 2006, 47, 43-54.	3.1	126
31	Cyclin-dependent Kinase E1 (CDKE1) Provides a Cellular Switch in Plants between Growth and Stress Responses. <i>Journal of Biological Chemistry</i> , 2013, 288, 3449-3459.	3.4	121
32	Cytochrome and Alternative Respiratory Pathways Compete for Electrons in the Presence of Pyruvate in Soybean Mitochondria. <i>Archives of Biochemistry and Biophysics</i> , 1995, 318, 394-400.	3.0	119
33	Alternative Oxidase Is Positive for Plant Performance. <i>Trends in Plant Science</i> , 2018, 23, 588-597.	8.8	114
34	Cyanide-resistant respiration in roots and leaves. Measurements with intact tissues and isolated mitochondria. <i>Physiologia Plantarum</i> , 1983, 58, 148-154.	5.2	113
35	Mechanism of soybean nodule adaptation to different oxygen pressures. <i>Plant, Cell and Environment</i> , 1990, 13, 501-512.	5.7	109
36	Specificity of the Organic Acid Activation of Alternative Oxidase in Plant Mitochondria. <i>Plant Physiology</i> , 1996, 111, 613-618.	4.8	109

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37	Dynamic changes in the mitochondrial electron transport chain underpinning cold acclimation of leaf respiration. <i>Plant, Cell and Environment</i> , 2008, 31, 1156-1169.	5.7	107
38	Ammonia and amino acid transport across symbiotic membranes in nitrogen-fixing legume nodules. <i>Cellular and Molecular Life Sciences</i> , 2001, 58, 61-71.	5.4	102
39	Growth comparisons of a supernodulating soybean ( <i>Glycine max</i> ) mutant and its wild-type parent. <i>Physiologia Plantarum</i> , 1986, 68, 375-382.	5.2	99
40	Analysis of the Alternative Oxidase Promoters from Soybean. <i>Plant Physiology</i> , 2003, 133, 1158-1169.	4.8	99
41	Complex I Dysfunction Redirects Cellular and Mitochondrial Metabolism in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2008, 148, 1324-1341.	4.8	98
42	Type II NAD(P)H dehydrogenases are targeted to mitochondria and chloroplasts or peroxisomes in <i>Arabidopsis thaliana</i> . <i>FEBS Letters</i> , 2008, 582, 3073-3079.	2.8	97
43	Regulation of the Alternative Oxidase in Plants and Fungi. <i>Functional Plant Biology</i> , 1995, 22, 497.	2.1	95
44	Regulation of alternative oxidase activity in higher plants. <i>Journal of Bioenergetics and Biomembranes</i> , 1995, 27, 379-385.	2.3	92
45	Soybean <i>SAT1</i> ( <i>Symbiotic Ammonium Transporter 1</i> ) encodes a bHLH transcription factor involved in nodule growth and NH <sub>4</sub> <sup>+</sup> transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4814-4819.	7.1	92
46	Targets of stress-induced oxidative damage in plant mitochondria and their impact on cell carbon/nitrogen metabolism. <i>Journal of Experimental Botany</i> , 2003, 55, 1-10.	4.8	91
47	Pyruvate and Malate Transport and Oxidation in Corn Mitochondria. <i>Plant Physiology</i> , 1977, 59, 630-635.	4.8	90
48	Regulation of Alternative Oxidase Activity by Pyruvate in Soybean Mitochondria. <i>Plant Physiology</i> , 1994, 106, 1421-1427.	4.8	89
49	Regulation of alternative oxidase gene expression in soybean. <i>Plant Molecular Biology</i> , 2002, 50, 735-742.	3.9	89
50	The peribacteroid membrane. <i>Physiologia Plantarum</i> , 1997, 100, 30-44.	5.2	86
51	The Oxidation of Malate and Exogenous Reduced Nicotinamide Adenine Dinucleotide by Isolated Plant Mitochondria. <i>Plant Physiology</i> , 1974, 53, 104-109.	4.8	85
52	Electrogenic ATPase Activity on the Peribacteroid Membrane of Soybean ( <i>Glycine max</i> L.) Root Nodules. <i>Plant Physiology</i> , 1989, 90, 982-987.	4.8	85
53	Catabolism of $\alpha$ -Ketoglutarate by a <i>sucA</i> Mutant of <i>Bradyrhizobium japonicum</i> : Evidence for an Alternative Tricarboxylic Acid Cycle. <i>Journal of Bacteriology</i> , 2000, 182, 2838-2844.	2.2	85
54	Characterization of an Ammonium Transport Protein from the Peribacteroid Membrane of Soybean Nodules. , 1998, 281, 1202-1206.		82

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55	The alternative oxidase is encoded in a multigene family in soybean. <i>Planta</i> , 1996, 198, 197-201.	3.2	80
56	Response of mitochondria to light intensity in the leaves of sun and shade species. <i>Plant, Cell and Environment</i> , 2005, 28, 760-771.	5.7	79
57	Proteomic Analysis of the Soybean Symbiosome Identifies New Symbiotic Proteins*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1301-1322.	3.8	77
58	The Cytotoxic Lipid Peroxidation Product 4-Hydroxy-2-nonenal Covalently Modifies a Selective Range of Proteins Linked to Respiratory Function in Plant Mitochondria. <i>Journal of Biological Chemistry</i> , 2007, 282, 37436-37447.	3.4	76
59	Transport processes of the legume symbiosome membrane. <i>Frontiers in Plant Science</i> , 2014, 5, 699.	3.6	76
60	Protein phosphorylation stimulates the rate of malate uptake across the peribacteroid membrane of soybean nodules. <i>FEBS Letters</i> , 1991, 293, 188-190.	2.8	75
61	A tomato alternative oxidase protein with altered regulatory properties. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2003, 1606, 153-162.	1.0	73
62	The regulation of glycolysis and electron transport in roots. <i>Physiologia Plantarum</i> , 1983, 58, 155-166.	5.2	70
63	Hydroxamate-Stimulated O <sub>2</sub> Uptake in Roots of <i>Pisum sativum</i> and <i>Zea mays</i> , Mediated by a Peroxidase. <i>Plant Physiology</i> , 1986, 82, 236-240.	4.8	69
64	Iron Uptake by Symbiosomes from Soybean Root Nodules. <i>Plant Physiology</i> , 1996, 111, 893-900.	4.8	69
65	Alternative Oxidase Isoforms Are Differentially Activated by Tricarboxylic Acid Cycle Intermediates. <i>Plant Physiology</i> , 2018, 176, 1423-1432.	4.8	68
66	Effect of respiratory homeostasis on plant growth in cultivars of wheat and rice. <i>Plant, Cell and Environment</i> , 2004, 27, 853-862.	5.7	67
67	AtNDB2 Is the Main External NADH Dehydrogenase in Mitochondria and Is Important for Tolerance to Environmental Stress. <i>Plant Physiology</i> , 2019, 181, 774-788.	4.8	67
68	Tissue-Specific Expression of the Alternative Oxidase in Soybean and Siratro. <i>Plant Physiology</i> , 1992, 99, 712-717.	4.8	66
69	Siderophore-bound iron in the peribacteroid space of soybean root nodules. <i>Plant and Soil</i> , 1996, 178, 161-169.	3.7	66
70	Differential Expression of Alternative Oxidase Genes in Soybean Cotyledons during Postgerminative Development. <i>Plant Physiology</i> , 1998, 118, 675-682.	4.8	65
71	Relationship between autoregulation and nitrate inhibition of nodulation in soybeans. <i>Physiologia Plantarum</i> , 1989, 75, 37-42.	5.2	64
72	Sensitivity of plant mitochondrial terminal oxidases to the lipid peroxidation product 4-hydroxy-2-nonenal (HNE). <i>Biochemical Journal</i> , 2005, 387, 865-870.	3.7	64

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73	Glycine Metabolism and Oxalacetate Transport by Pea Leaf Mitochondria. <i>Plant Physiology</i> , 1981, 68, 425-429.	4.8	63
74	Alternative solutions to radical problems. <i>Trends in Plant Science</i> , 1997, 2, 288-290.	8.8	62
75	Rapid Isolation of Intact Peribacteroid Envelopes from Soybean Nodules and Demonstration of Selective Permeability to Metabolites. <i>Journal of Plant Physiology</i> , 1987, 130, 157-164.	3.5	61
76	Isolation and properties of the outer membrane of plant mitochondria. <i>Archives of Biochemistry and Biophysics</i> , 1975, 171, 117-123.	3.0	59
77	Regulation of Respiration in the Leaves and Roots of Two <i>Lolium perenne</i> Populations with Contrasting Mature Leaf Respiration Rates and Crop Yields. <i>Plant Physiology</i> , 1985, 78, 678-683.	4.8	59
78	Membrane Interface of the Bradyrhizobium japonicum - Glycine max Symbiosis: Peribacteroid Units From Soybean Nodules. <i>Functional Plant Biology</i> , 1989, 16, 69.	2.1	57
79	Proteomic identification of divalent metal cation binding proteins in plant mitochondria. <i>FEBS Letters</i> , 2003, 537, 96-100.	2.8	56
80	Localization of H <sup>+</sup> -ATPases in soybean root nodules. <i>Planta</i> , 1999, 209, 25-32.	3.2	55
81	Sequencing of a Soybean Alternative Oxidase cDNA Clone. <i>Plant Physiology</i> , 1993, 103, 1481-1481.	4.8	54
82	Microaerobic respiration and oxidative phosphorylation by soybean nodule mitochondria: implications for nitrogen fixation. <i>Plant, Cell and Environment</i> , 1995, 18, 715-726.	5.7	54
83	Mitochondrial Biogenesis and Function in Arabidopsis. <i>The Arabidopsis Book</i> , 2008, 6, e0111.	0.5	54
84	On methods for the isolation of mitochondria from etiolated corn shoots. <i>Plant Science Letters</i> , 1978, 11, 99-104.	1.8	53
85	Studies on the import and processing of the alternative oxidase precursor by isolated soybean mitochondria. <i>Plant Molecular Biology</i> , 1995, 27, 769-778.	3.9	53
86	Proteomic Analysis on Symbiotic Differentiation of Mitochondria in Soybean Nodules. <i>Plant and Cell Physiology</i> , 2004, 45, 300-308.	3.1	53
87	Sugar and Amino Acid Transport Across Symbiotic Membranes from Soybean Nodules. <i>Molecular Plant-Microbe Interactions</i> , 1990, 3, 334.	2.6	53
88	Regulation of Alternative Pathway Activity in Plant Mitochondria. <i>Plant Physiology</i> , 1991, 95, 948-953.	4.8	52
89	Identification of AtND11, an Internal Non-Phosphorylating NAD(P)H Dehydrogenase in Arabidopsis Mitochondria. <i>Plant Physiology</i> , 2003, 133, 1968-1978.	4.8	52
90	Identification of intra- and intermolecular disulphide bonding in the plant mitochondrial proteome by diagonal gel electrophoresis. <i>Proteomics</i> , 2007, 7, 4158-4170.	2.2	51

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91	The Absence of Alternative Oxidase AOX1A Results in Altered Response of Photosynthetic Carbon Assimilation to Increasing CO <sub>2</sub> in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2012, 53, 1627-1637.	3.1	51
92	Cloning of an Additional cDNA for the Alternative Oxidase in Tobacco. <i>Plant Physiology</i> , 1995, 107, 1469-1470.	4.8	50
93	Cell-to-cell transport via the lumen of the endoplasmic reticulum. <i>Plant Journal</i> , 2011, 66, 806-817.	5.7	50
94	Effect of Ethylene and Carbon Dioxide on Potato Metabolism. <i>Plant Physiology</i> , 1978, 62, 820-825.	4.8	49
95	Preferential oxidation of glycine by the respiratory chain of pea leaf mitochondria. <i>FEBS Letters</i> , 1983, 158, 154-158.	2.8	49
96	Malate Decarboxylation by <i>Kalanchoë daigremontiana</i> Mitochondria and Its Role in Crassulacean Acid Metabolism. <i>Plant Physiology</i> , 1980, 65, 675-679.	4.8	48
97	Unraveling the Role of Mitochondria During Oxidative Stress in Plants. <i>IUBMB Life</i> , 2001, 51, 201-205.	3.4	48
98	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. <i>Archives of Biochemistry and Biophysics</i> , 1981, 211, 743-749.	3.0	47
99	Environmental stresses inhibit and stimulate different protein import pathways in plant mitochondria. <i>FEBS Letters</i> , 2003, 547, 125-130.	2.8	47
100	<i>Arabidopsis</i> phospholipase D $\gamma$ as an initiator of cytoskeleton-mediated signalling to fundamental cellular processes. <i>Functional Plant Biology</i> , 2009, 36, 190.	2.1	47
101	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.. <i>Journal of Cell Biology</i> , 1984, 98, 163-172.	5.2	46
102	Specificity and regulation of the dicarboxylate carrier on the peribacteroid membrane of soybean nodules. <i>Planta</i> , 1990, 182, 437-444.	3.2	46
103	ATPase activity and anion transport across the peribacteroid membrane of isolated soybean symbiosomes. <i>Archives of Microbiology</i> , 1991, 156, 362-366.	2.2	45
104	Ferrous iron is transported across the peribacteroid membrane of soybean nodules. <i>Planta</i> , 1998, 207, 83-87.	3.2	45
105	A single amino acid change in the plant alternative oxidase alters the specificity of organic acid activation. <i>FEBS Letters</i> , 1999, 454, 220-224.	2.8	45
106	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. <i>Plant and Cell Physiology</i> , 2004, 45, 1015-1022.	3.1	45
107	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. <i>Plant and Cell Physiology</i> , 2011, 52, 1222-1237.	3.1	45
108	Interactions Between Glycine Decarboxylase, the Tricarboxylic Acid Cycle and the Respiratory Chain in Pea Leaf Mitochondria. <i>Functional Plant Biology</i> , 1985, 12, 119.	2.1	45

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109	The Effect of Exogenous Nicotinamide Adenine Dinucleotide on the Oxidation of Nicotinamide Adenine Dinucleotide-linked Substrates by Isolated Plant Mitochondria. <i>Plant Physiology</i> , 1974, 54, 360-363.	4.8	44
110	Characteristics of External NADH Oxidation by Beetroot Mitochondria. <i>Plant Physiology</i> , 1976, 58, 38-42.	4.8	44
111	The regulation of respiration in the dark in wheat leaf slices. <i>Plant Science Letters</i> , 1983, 32, 313-320.	1.8	44
112	Transport of coenzyme A in plant mitochondria. <i>Archives of Biochemistry and Biophysics</i> , 1984, 229, 253-258.	3.0	44
113	Activation of NAD-linked malic enzyme in intact plant mitochondria by exogenous coenzyme A. <i>Archives of Biochemistry and Biophysics</i> , 1984, 231, 233-242.	3.0	44
114	Transport of NAD <sup>+</sup> in Percoll-Purified Potato Tuber Mitochondria. <i>Plant Physiology</i> , 1985, 78, 405-410.	4.8	43
115	Mitochondrial protein expression in tomato fruit during on-vine ripening and cold storage. <i>Functional Plant Biology</i> , 2002, 29, 827.	2.1	43
116	A critique of the use of inhibitors to estimate partitioning of electrons between mitochondrial respiratory pathways in plants. <i>Physiologia Plantarum</i> , 1995, 95, 523-532.	5.2	42
117	Enzymes of Ammonia Assimilation and Ureide Biosynthesis in Soybean Nodules: Effect of Nitrate. <i>Plant Physiology</i> , 1986, 80, 646-650.	4.8	41
118	Ammonia (<sup>14</sup>C-Methylamine) Transport across the Bacteroid and Peribacteroid Membranes of Soybean Root Nodules. <i>Plant Physiology</i> , 1990, 94, 71-76.	4.8	41
119	Glycine transport by pea leaf mitochondria. <i>FEBS Letters</i> , 1980, 112, 191-194.	2.8	39
120	Regulation of Nonphosphorylating Electron Transport Pathways in Soybean Cotyledon Mitochondria and Its Implications for Fat Metabolism. <i>Plant Physiology</i> , 1988, 86, 1199-1204.	4.8	39
121	Evidence for Metabolic Domains within the Matrix Compartment of Pea Leaf Mitochondria. <i>Plant Physiology</i> , 1990, 93, 611-616.	4.8	39
122	Induction of alternative oxidase synthesis by herbicides inhibiting branched-chain amino acid synthesis. <i>Plant Journal</i> , 1997, 11, 649-657.	5.7	39
123	Alternative Respiratory Pathway Component Genes (AOX and ND) in Rice and Barley and Their Response to Stress. <i>International Journal of Molecular Sciences</i> , 2018, 19, 915.	4.1	39
124	Malate Oxidation, Rotenone-Resistance, and Alternative Path Activity in Plant Mitochondria. <i>Plant Physiology</i> , 1982, 70, 959-964.	4.8	37
125	A Comparison of the Respiratory Processes and Growth Rate of Selected Australian Alpine and Related Lowland Plant Species. <i>Functional Plant Biology</i> , 1990, 17, 517.	2.1	37
126	GmVTL1a is an iron transporter on the symbiosome membrane of soybean with an important role in nitrogen fixation. <i>New Phytologist</i> , 2020, 228, 667-681.	7.3	36



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127	Effect of Phosphate and Uncouplers on Substrate Transport and Oxidation by Isolated Corn Mitochondria. <i>Plant Physiology</i> , 1977, 59, 139-144.	4.8	35
128	Expression and kinetics of the mitochondrial alternative oxidase in nitrogen-fixing nodules of soybean roots. <i>Plant, Cell and Environment</i> , 1997, 20, 1273-1282.	5.7	35
129	An alternative oxidase monoclonal antibody recognises a highly conserved sequence among alternative oxidase subunits. <i>FEBS Letters</i> , 1999, 447, 21-24.	2.8	35
130	Nature and Control of Respiratory Pathways in Plants: The Interaction of Cyanide-Resistant Respiration with the Cyanide-Sensitive Pathway**Abbreviations: SHAM, salicylhydroxamic acid; CLAM, m-chlorobenzhydroxamic acid; BSA, bovine serum albumin; RCR, respiratory control ratio; FPma, medium potential, absorbing (i.e., nonfluorescent) flavoprotein; pmf, proton motive force; TCA cycle, tricarboxylic acid cycle., 1980, , 197-241.		35
131	Effect of phthalonic acid on respiration and metabolite transport in higher plant mitochondria. <i>Archives of Biochemistry and Biophysics</i> , 1981, 211, 100-107.	3.0	34
132	Respiratory Properties of Developing Bean and Pea Leaves. <i>Functional Plant Biology</i> , 1983, 10, 237.	2.1	34
133	Factors limiting respiration by isolated cauliflower mitochondria. <i>Phytochemistry</i> , 1977, 16, 1499-1502.	2.9	33
134	Isolation and oxidative properties of mitochondria and bacteroids from soybean root nodules. <i>Protoplasma</i> , 1986, 134, 121-129.	2.1	33
135	Reassessment of major products of N <sub>2</sub> fixation by bacteroids from soybean root nodules. <i>Microbiology (United Kingdom)</i> , 2002, 148, 1959-1966.	1.8	33
136	Enzyme Distribution in Potato Mitochondria. <i>Journal of Experimental Botany</i> , 1979, 30, 539-549.	4.8	31
137	Dicarboxylate transport in maize mesophyll chloroplasts. <i>Archives of Biochemistry and Biophysics</i> , 1981, 211, 738-742.	3.0	31
138	Characterization of the Import Pathway of the F <sub>1</sub> F <sub>0</sub> Subunit of Mitochondrial ATP Synthase into Isolated Plant Mitochondria. <i>Archives of Biochemistry and Biophysics</i> , 1996, 335, 358-368.	3.0	31
139	Isolation and Properties of Functional Mesophyll Protoplasts and Chloroplasts From Zea mays. <i>Functional Plant Biology</i> , 1981, 8, 21.	2.1	30
140	Purification and Characterization of a 43-kDa Rotenone-insensitive NADH Dehydrogenase from Plant Mitochondria. <i>Journal of Biological Chemistry</i> , 1996, 271, 23117-23120.	3.4	29
141	Cytoskeletal arrays in the cells of soybean root nodules: The role of actin microfilaments in the organisation of symbiosomes. <i>Protoplasma</i> , 1998, 203, 194-205.	2.1	29
142	Suppression of the Symbiotic Supernodulation Symptoms of Soybean. <i>Journal of Plant Physiology</i> , 1988, 132, 417-423.	3.5	28
143	Isolation of a Novel Soybean Gene Encoding a Mitochondrial ATP Synthase Subunit. <i>Archives of Biochemistry and Biophysics</i> , 1994, 313, 235-240.	3.0	28
144	Evidence for a link between translocation and processing during protein import into soybean mitochondria. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1996, 1312, 48-54.	4.1	28

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145	Divalent cation gating of an ammonium permeable channel in the symbiotic membrane from soybean nodules. <i>Plant Journal</i> , 1998, 16, 313-324.	5.7	28
146	Photosynthetic Performance and Fertility Are Repressed in GmAOX2b Antisense Soybean $\hat{A}$ . <i>Plant Physiology</i> , 2010, 152, 1638-1649.	4.8	28
147	Characterisation of Arabidopsis calnexin 1 and calnexin 2 in the endoplasmic reticulum and at plasmodesmata. <i>Protoplasma</i> , 2017, 254, 125-136.	2.1	27
148	Interactions between Irradiance Levels, Nodulation and Nitrogenase Activity of Soybean cv. Bragg and a Supernodulating Mutant. <i>Journal of Plant Physiology</i> , 1990, 136, 172-179.	3.5	25
149	Molecular and physiological responses during thermal acclimation of leaf photosynthesis and respiration in rice. <i>Plant, Cell and Environment</i> , 2020, 43, 594-610.	5.7	23
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