Christine Foyer

List of Publications by Year
in descending order

218 papers	43,889 citations	5782 84 h-index	2453 203 g-index
238 all docs	238 docs citations	238 times ranked	30757 citing authors

#	Article	IF	Citations
1	WHIRLY protein functions in plants. Food and Energy Security, 2023, 12, .	2.0	6
2	Biofortification of common bean (<i>Phaseolus vulgaris</i> L.) with iron and zinc: Achievements and challenges. Food and Energy Security, 2023, 12, .	2.0	10
3	Rice seedlings grown under high ammonia do not show enhanced defence responses. Food and Energy Security, 2022, 11, e331.	2.0	3
4	The bud dormancy disconnect: latent buds of grapevine are dormant during summer despite a high metabolic rate. Journal of Experimental Botany, 2022, 73, 2061-2076.	2.4	10
5	Abiotic stress and adaptation of electron transport: Regulation of the production and processing of ROS signals in chloroplasts. , 2022, , 85-102.		4
6	Nuclear and peroxisomal targeting of catalase. Plant, Cell and Environment, 2022, 45, 1096-1108.	2.8	18
7	Redox metabolism in soybean and its significance in nitrogen-fixing nodules. Advances in Botanical Research, 2022, , 177-209.	0.5	3
8	WHIRLY1 functions in the nucleus to regulate barley leaf development and associated metabolite profiles. Biochemical Journal, 2022, 479, 641-659.	1.7	2
9	ROS production and signalling in chloroplasts: cornerstones and evolving concepts. Plant Journal, 2022, 111, 642-661.	2.8	75
10	Raising crops for dry and saline lands: Challenges and the way forward. Physiologia Plantarum, 2022, 174, .	2.6	4
11	Glucose sensing by regulator of G protein signaling 1 (<scp>RGS1</scp>) plays a crucial role in coordinating defense in response to environmental variation in tomato. New Phytologist, 2022, 236, 561-575.	3.5	8
12	Photosynthetic quantum efficiency in <scp>southâ€eastern</scp> Amazonian trees may be already affected by climate change. Plant, Cell and Environment, 2021, 44, 2428-2439.	2.8	22
13	The coordination of guard-cell autonomous ABA synthesis and DES1 function in situ regulates plant water deficit responses. Journal of Advanced Research, 2021, 27, 191-197.	4.4	28
14	High CO₂â€•and pathogenâ€driven expression of the carbonic anhydrase Î²CA3 confers basal immunity in tomato. New Phytologist, 2021, 229, 2827-2843.	3.5	26
15	Ethylene response factors 15 and 16 trigger jasmonate biosynthesis in tomato during herbivore resistance. Plant Physiology, 2021, 185, 1182-1197.	2.3	32
16	Redox control of flowering. Nature Chemical Biology, 2021, 17, 504-505.	3.9	2
17	Crosstalk between Brassinosteroid and Redox Signaling Contributes to the Activation of CBF Expression during Cold Responses in Tomato. Antioxidants, 2021, 10, 509.	2.2	16
18	The protein kinase CPK28 phosphorylates ascorbate peroxidase and enhances thermotolerance in tomato. Plant Physiology, 2021, 186, 1302-1317.	2.3	61

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19	Papain-like cysteine proteases are required for the regulation of photosynthetic gene expression and acclimation to high light stress. Journal of Experimental Botany, 2021, 72, 3441-3454.	2.4	8
20	Brassinosteroid signaling integrates multiple pathways to release apical dominance in tomato. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	49
21	The phyBâ€dependent induction of HY5 promotes iron uptake by systemically activating <i>FER</i> expression. EMBO Reports, 2021, 22, e51944.	2.0	37
22	Gaining Acceptance of Novel Plant Breeding Technologies. Trends in Plant Science, 2021, 26, 575-587.	4.3	34
23	Stress effects on the reactive oxygen species-dependent regulation of plant growth and development. Journal of Experimental Botany, 2021, 72, 5795-5806.	2.4	31
24	Oxygen and reactive oxygen species-dependent regulation of plant growth and development. Plant Physiology, 2021, 186, 79-92.	2.3	75
25	Glutathione redox state plays a key role in flower development and pollen vigour. Journal of Experimental Botany, 2020, 71, 730-741.	2.4	23
26	Catalase, glutathione, and protein phosphatase 2Aâ€dependent organellar redox signalling regulate aphid fecundity under moderate and high irradiance. Plant, Cell and Environment, 2020, 43, 209-222.	2.8	9
27	Vitamin C in Plants: Novel Concepts, New Perspectives, and Outstanding Issues. Antioxidants and Redox Signaling, 2020, 32, 463-485.	2.5	84
28	Brassinosteroidâ€mediated reactive oxygen species are essential for tapetum degradation and pollen fertility in tomato. Plant Journal, 2020, 102, 931-947.	2.8	55
29	Mitigating the impact of climate change on plant productivity and ecosystem sustainability. Journal of Experimental Botany, 2020, 71, 451-456.	2.4	120
30	On the move: redox-dependent protein relocation in plants. Journal of Experimental Botany, 2020, 71, 620-631.	2.4	44
31	Defining biotechnological solutions for insect control in subâ€Saharan Africa. Food and Energy Security, 2020, 9, e191.	2.0	23
32	New insights into Arabidopsis transcriptome complexity revealed by direct sequencing of native RNAs. Nucleic Acids Research, 2020, 48, 7700-7711.	6.5	57
33	Sensing and signalling in plant stress responses: ensuring sustainable food security in an era of climate change. New Phytologist, 2020, 228, 823-827.	3.5	6
34	Factors facilitating sustainable scientific partnerships between developed and developing countries. Outlook on Agriculture, 2020, 49, 204-214.	1.8	7
35	The power of the phytoglobinâ€“NO cycle in the regulation of nodulation and symbiotic nitrogen fixation. New Phytologist, 2020, 227, 5-7.	3.5	5
36	Persulfidation-based Modification of Cysteine Desulfhydrase and the NADPH Oxidase RBOHD Controls Guard Cell Abscisic Acid Signaling. Plant Cell, 2020, 32, 1000-1017.	3.1	183

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37	How plant cells sense the outside world through hydrogen peroxide. Nature, 2020, 578, 518-519.	13.7	19
38	Innovative plant breeding could deliver crop revolution. Nature, 2020, 577, 622-622.	13.7	4
39	Heat-Induced Oxidation of the Nuclei and Cytosol. Frontiers in Plant Science, 2020, 11, 617779.	1.7	35
40	Redox Homeostasis and Signaling in a Higher-CO₂World. Annual Review of Plant Biology, 2020, 71, 157-182.	8.6	58
41	Systemic Root-Shoot Signaling Drives Jasmonate-Based Root Defense against Nematodes. Current Biology, 2019, 29, 3430-3438.e4.	1.8	89
42	Analysis of Redox Relationships in the Plant Cell Cycle: Determination of Ascorbate, Glutathione, and Poly(ADPribose)polymerase (PARP) in Plant Cell Cultures. Methods in Molecular Biology, 2019, 1990, 165-181.	0.4	7
43	Brassinosteroids Act as a Positive Regulator of Photoprotection in Response to Chilling Stress. Plant Physiology, 2019, 180, 2061-2076.	2.3	90
44	A novel <scp>CO</scp>₂â€responsive systemic signaling pathway controlling plant mycorrhizal symbiosis. New Phytologist, 2019, 224, 106-116.	3.5	28
45	A reference-grade wild soybean genome. Nature Communications, 2019, 10, 1216.	5.8	183
46	Legumesâ€"The art and science of environmentally sustainable agriculture. Plant, Cell and Environment, 2019, 42, 1-5.	2.8	28
47	SlHY5 Integrates Temperature, Light, and Hormone Signaling to Balance Plant Growth and Cold Tolerance. Plant Physiology, 2019, 179, 749-760.	2.3	71
48	Contrasting responses of stomatal conductance and photosynthetic capacity to warming and elevated CO2 in the tropical tree species Alchornea glandulosa under heatwave conditions. Environmental and Experimental Botany, 2019, 158, 28-39.	2.0	47
49	Efficient phloem transport significantly remobilizes cadmium from old to young organs in a hyperaccumulator Sedum alfredii. Journal of Hazardous Materials, 2019, 365, 421-429.	6.5	40
50	Modelling predicts that soybean is poised to dominate crop production across <scp>A</scp>frica. Plant, Cell and Environment, 2019, 42, 373-385.	2.8	47
51	A Plant Phytosulfokine Peptide Initiates Auxin-Dependent Immunity through Cytosolic Ca²⁺ Signaling in Tomato. Plant Cell, 2018, 30, 652-667.	3.1	120
52	Climate resilient crops for improving global food security and safety. Plant, Cell and Environment, 2018, 41, 877-884.	2.8	247
53	Developmental control of hypoxia during bud burst in grapevine. Plant, Cell and Environment, 2018, 41, 1154-1170.	2.8	43
54	Strigolactones positively regulate chilling tolerance in pea and in <scp><i>Arabidopsis</i></scp>. Plant, Cell and Environment, 2018, 41, 1298-1310.	2.8	69

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55	Reactive oxygen species, oxidative signaling and the regulation of photosynthesis. Environmental and Experimental Botany, 2018, 154, 134-142.	2.0	587
56	Redox regulation of cell proliferation: Bioinformatics and redox proteomics approaches to identify redox-sensitive cell cycle regulators. Free Radical Biology and Medicine, 2018, 122, 137-149.	1.3	54
57	The redox state of the apoplast influences the acclimation of photosynthesis and leaf metabolism to changing irradiance. Plant, Cell and Environment, 2018, 41, 1083-1097.	2.8	47
58	ROS-related redox regulation and signaling in plants. Seminars in Cell and Developmental Biology, 2018, 80, 3-12.	2.3	581
59	Roles for Light, Energy, and Oxygen in the Fate of Quiescent Axillary Buds. Plant Physiology, 2018, 176, 1171-1181.	2.3	35
60	Light Signaling-Dependent Regulation of Photoinhibition and Photoprotection in Tomato. Plant Physiology, 2018, 176, 1311-1326.	2.3	85
61	Oxidative stressâ€triggered interactions between the succinylâ€•and acetylâ€proteomes of rice leaves. Plant, Cell and Environment, 2018, 41, 1139-1153.	2.8	79
62	Nitrate, NO and ROS Signaling in Stem Cell Homeostasis. Trends in Plant Science, 2018, 23, 1041-1044.	4.3	34
63	Reactive oxygen species are crucial â€œpro-life â€œsurvival signals in plants. Free Radical Biology and Medicine, 2018, 122, 1-3.	1.3	13
64	Ascorbate-mediated regulation of growth, photoprotection, and photoinhibition in Arabidopsis thaliana. Journal of Experimental Botany, 2018, 69, 2823-2835.	2.4	54
65	Spatially explicit estimation of heat stress-related impacts of climate change on the milk production of dairy cows in the United Kingdom. PLoS ONE, 2018, 13, e0197076.	1.1	34
66	A seed change in our understanding of legume biology from genomics to the efficient cooperation between nodulation and arbuscular mycorrhizal fungi. Plant, Cell and Environment, 2018, 41, 1949-1954.	2.8	3
67	Viewing oxidative stress through the lens of oxidative signalling rather than damage. Biochemical Journal, 2017, 474, 877-883.	1.7	214
68	Ying and Yang interplay between reactive oxygen and reactive nitrogen species controls cell functions. Plant, Cell and Environment, 2017, 40, 459-461.	2.8	13
69	Enhancing faba bean (Vicia faba L.) genome resources. Journal of Experimental Botany, 2017, 68, 1941-1953.	2.4	37
70	Redox Changes During the Cell Cycle in the Embryonic Root Meristem of<i>Arabidopsis thaliana</i>. Antioxidants and Redox Signaling, 2017, 27, 1505-1519.	2.5	69
71	<scp>l</scp>â€cysteine desulfhydraseâ€related H₂S production is involved in <i>OsSE5</i>â€promoted ammonium tolerance in roots of <scp><i>Oryza sativa</i></scp>. Plant, Cell and Environment, 2017, 40, 1777-1790.	2.8	28
72	Learning To Breathe: Developmental Phase Transitions in Oxygen Status. Trends in Plant Science, 2017, 22, 140-153.	4.3	54

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73	Mitochondrial Respiration and Oxygen Tension. Methods in Molecular Biology, 2017, 1670, 97-113.	0.4	4
74	Redox Control of Aphid Resistance through Altered Cell Wall Composition and Nutritional Quality. Plant Physiology, 2017, 175, 259-271.	2.3	26
75	Inhibitor-induced oxidation of the nucleus and cytosol in <i>Arabidopsis thaliana:</i> implications for organelle to nucleus retrograde signalling. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160392.	1.8	21
76	Photosynthesis solutions to enhance productivity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160374.	1.8	60
77	Integrating Plant Science and Crop Modeling: Assessment of the Impact of Climate Change on Soybean and Maize Production. Plant and Cell Physiology, 2017, 58, 1833-1847.	1.5	49
78	Natureâ€™s pulse power: legumes, food security and climate change. Journal of Experimental Botany, 2017, 68, 1815-1818.	2.4	97
79	Drought Stress Responses in Soybean Roots and Nodules. Frontiers in Plant Science, 2016, 7, 1015.	1.7	152
80	Intracellular Redox Compartmentation and ROS-Related Communication in Regulation and Signaling. Plant Physiology, 2016, 171, 1581-1592.	2.3	288
81	Stressâ€triggered redox signalling: what's in pROSpect?. Plant, Cell and Environment, 2016, 39, 951-964.	2.8	293
82	Metabolite transport and associated sugar signalling systems underpinning source/sink interactions. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1715-1725.	0.5	126
83	Systemic induction of photosynthesis via illumination of the shoot apex is mediated by phytochrome B. Plant Physiology, 2016, 172, pp.01202.2016.	2.3	73
84	Neglecting legumes has compromised human health and sustainable food production. Nature Plants, 2016, 2, 16112.	4.7	529
85	Oxidative stress and antioxidative systems: recipes for successful data collection and interpretation. Plant, Cell and Environment, 2016, 39, 1140-1160.	2.8	278
86	Redox regulation in shoot growth, SAM maintenance and flowering. Current Opinion in Plant Biology, 2016, 29, 121-128.	3.5	117
87	Interactions between 2-Cys peroxiredoxins and ascorbate in autophagosome formation during the heat stress response in<i>Solanum lycopersicum</i>. Journal of Experimental Botany, 2016, 67, 1919-1933.	2.4	34
88	Cross-tolerance to biotic and abiotic stresses in plants: a focus on resistance to aphid infestation. Journal of Experimental Botany, 2016, 67, 2025-2037.	2.4	189
89	Redox homeostasis: Opening up ascorbate transport. Nature Plants, 2015, 1, 14012.	4.7	32
90	WHIRLY1 Functions in the Control of Responses to Nitrogen Deficiency But Not Aphid Infestation in Barley. Plant Physiology, 2015, 168, 1140-1151.	2.3	20

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91	Glutathione â€" linking cell proliferation to oxidative stress. Free Radical Biology and Medicine, 2015, 89, 1154-1164.	1.3	244
92	Mechanisms of plant-insect interaction. Journal of Experimental Botany, 2015, 66, 421-424.	2.4	17
93	Systematic analysis of phloem-feeding insect-induced transcriptional reprogramming in Arabidopsis highlights common features and reveals distinct responses to specialist and generalist insects. Journal of Experimental Botany, 2015, 66, 495-512.	2.4	64
94	Producing a road map that enables plants to cope with future climate change. Journal of Experimental Botany, 2015, 66, 3433-3434.	2.4	11
95	Low concentrations of the toxin ophiobolin A lead to an arrest of the cell cycle and alter the intracellular partitioning of glutathione between the nuclei and cytoplasm. Journal of Experimental Botany, 2015, 66, 2991-3000.	2.4	22
96	Unravelling the reactive oxygen and reactive nitrogen signalling networks in plants. Journal of Experimental Botany, 2015, 66, 2825-2826.	2.4	5
97	Interplay between reactive oxygen species and hormones in the control of plant development and stress tolerance. Journal of Experimental Botany, 2015, 66, 2839-2856.	2.4	572
98	Ectopic phytocystatin expression increases nodule numbers and influences the responses of soybean (Glycine max) to nitrogen deficiency. Phytochemistry, 2015, 112, 179-187.	1.4	18
99	Potential use of phytocystatins in crop improvement, with a particular focus on legumes. Journal of Experimental Botany, 2015, 66, 3559-3570.	2.4	48
100	Metabolic responses to sulfur dioxide in grapevine (Vitis vinifera L.): photosynthetic tissues and berries. Frontiers in Plant Science, 2015, 6, 60.	1.7	19
101	Redox markers for drought-induced nodule senescence, a process occurring after drought-induced senescence of the lowest leaves in soybean (<i>Glycine max</i>). Annals of Botany, 2015, 116, 497-510.	1.4	59
102	High atmospheric carbon dioxide-dependent alleviation of salt stress is linked to RESPIRATORY BURST OXIDASE 1 (<i>RBOH1</i>)-dependent H₂O₂production in tomato (<i>Solanum) Tj ETQq0 0 0 rg BT /Overloc	2.4	49
103	Unravelling how plants benefit from ROS and NO reactions, while resisting oxidative stress. Annals of Botany, 2015, 116, 469-473.	1.4	59
104	Nitrogen deficiency in barley (<i>Hordeum vulgare</i>) seedlings induces molecular and metabolic adjustments that trigger aphid resistance. Journal of Experimental Botany, 2015, 66, 3639-3655.	2.4	60
105	Spatio-temporal relief from hypoxia and production of reactive oxygen species during bud burst in grapevine (<i>Vitis vinifera</i>). Annals of Botany, 2015, 116, 703-711.	1.4	44
106	Defining robust redox signalling within the context of the plant cell. Plant, Cell and Environment, 2015, 38, 239-239.	2.8	25
107	Low glutathione regulates gene expression and the redox potentials of the nucleus and cytosol in <i><scp>A</scp>rabidopsis thaliana</i>. Plant, Cell and Environment, 2015, 38, 266-279.	2.8	109
108	Effects of light and the regulatory B-subunit composition of protein phosphatase 2A on the susceptibility of Arabidopsis thaliana to aphid (Myzus persicae) infestation. Frontiers in Plant Science, 2014, 5, 405.	1.7	27

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109	Transport of glutathione into the nucleus. Free Radical Biology and Medicine, 2014, 75, S3.	1.3	0
110	The effects of redox controls mediated by glutathione peroxidases on root architecture in Arabidopsis thaliana. Journal of Experimental Botany, 2014, 65, 1403-1413.	2.4	97
111	Field Phenotyping of Soybean Roots for Drought Stress Tolerance. Agronomy, 2014, 4, 418-435.	1.3	158
112	Photosynthesis and Leaf Senescence as Determinants of Plant Productivity. Biotechnology in Agriculture and Forestry, 2014, , 113-138.	0.2	5
113	A new role for glutathione in the regulation of root architecture linked to strigolactones. Plant, Cell and Environment, 2014, 37, 488-498.	2.8	65
114	Redox Regulation of Plant Development. Antioxidants and Redox Signaling, 2014, 21, 1305-1326.	2.5	235
115	Ectopic phytocystatin expression leads to enhanced drought stress tolerance in soybean (<i><scp>G</scp>lycine max</i>) and <i><scp>A</scp>rabidopsis thaliana</i> through effects on strigolactone pathways and can also result in improved seed traits. Plant Biotechnology Journal, 2014, 12, 903-913.	4.1	61
116	The functions of WHIRLY1 and REDOX-RESPONSIVE TRANSCRIPTION FACTOR 1 in cross tolerance responses in plants: a hypothesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130226.	1.8	107
117	The Roles of Reactive Oxygen Metabolism in Drought: Not So Cut and Dried Â Â. Plant Physiology, 2014, 164, 1636-1648.	2.3	519
118	Interactions between hormone and redox signalling pathways in the control of growth and cross tolerance to stress. Environmental and Experimental Botany, 2013, 94, 73-88.	2.0	192
119	Redox Signaling in Plants. Antioxidants and Redox Signaling, 2013, 18, 2087-2090.	2.5	314
120	Vitamin C and the Abscisic Acid-Insensitive 4 Transcription Factor Are Important Determinants of Aphid Resistance in<i>Arabidopsis</i>. Antioxidants and Redox Signaling, 2013, 18, 2091-2105.	2.5	68
121	Nuclear glutathione. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3304-3316.	1.1	105
122	A phenomics approach to the analysis of the influence of glutathione on leaf area and abiotic stress tolerance in Arabidopsis thaliana. Frontiers in Plant Science, 2013, 4, 416.	1.7	22
123	Regulating the Redox Gatekeeper: Vacuolar Sequestration Puts Glutathione Disulfide in Its Place Â. Plant Physiology, 2013, 163, 665-671.	2.3	60
124	The Impact of Global Change Factors on Redox Signaling Underpinning Stress Tolerance Â. Plant Physiology, 2012, 161, 5-19.	2.3	254
125	The ABA-INSENSITIVE-4 (ABI4) transcription factor links redox, hormone and sugar signaling pathways. Plant Signaling and Behavior, 2012, 7, 276-281.	1.2	40
126	Redox regulation of photosynthetic gene expression. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 3475-3485.	1.8	71

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127	Photosynthetic control of electron transport and the regulation of gene expression. Journal of Experimental Botany, 2012, 63, 1637-1661.	2.4	375
128	A novel function for a redoxâ€related LEA protein (<i>SAG21</i>/AtLEA5) in root development and biotic stress responses. Plant, Cell and Environment, 2012, 35, 418-429.	2.8	93
129	Infestation of potato (<i>Solanum tuberosum</i> L.) by the peachâ€potato aphid (<i>Myzus persicae</i>) Tj ETQq1 1 0.784314 rgBT /C 35, 430-440.	2.8	46
130	Plant responses to insect herbivory: interactions between photosynthesis, reactive oxygen species and hormonal signalling pathways. Plant, Cell and Environment, 2012, 35, 441-453.	2.8	262
131	Glutathione in plants: an integrated overview. Plant, Cell and Environment, 2012, 35, 454-484.	2.8	1,211
132	Managing the cellular redox hub in photosynthetic organisms. Plant, Cell and Environment, 2012, 35, 199-201.	2.8	95
133	Dorsoventral variations in dark chilling effects on photosynthesis and stomatal function in Paspalum dilatatum leaves. Journal of Experimental Botany, 2011, 62, 687-699.	2.4	18
134	Perturbations of Amino Acid Metabolism Associated with Glyphosate-Dependent Inhibition of Shikimic Acid Metabolism Affect Cellular Redox Homeostasis and Alter the Abundance of Proteins Involved in Photosynthesis and Photorespiration Â Â. Plant Physiology, 2011, 157, 256-268.	2.3	108
135	Glutathione. The Arabidopsis Book, 2011, 9, 1-32.	0.5	206
136	Understanding Oxidative Stress and Antioxidant Functions to Enhance Photosynthesis. Plant Physiology, 2011, 155, 93-100.	2.3	981
137	Acclimation to high CO₂ in maize is related to water status and dependent on leaf rank. Plant, Cell and Environment, 2011, 34, 314-331.	2.8	33
138	Ascorbate and Glutathione: The Heart of the Redox Hub. Plant Physiology, 2011, 155, 2-18.	2.3	1,959
139	Respiration and nitrogen assimilation: targeting mitochondria-associated metabolism as a means to enhance nitrogen use efficiency. Journal of Experimental Botany, 2011, 62, 1467-1482.	2.4	236
140	Enhancing drought tolerance in C4 crops. Journal of Experimental Botany, 2011, 62, 3135-3153.	2.4	238
141	The Transcription Factor ABI4 Is Required for the Ascorbic Acidâ€"Dependent Regulation of Growth and Regulation of Jasmonate-Dependent Defense Signaling Pathways in<i>Arabidopsis</i>Â Â. Plant Cell, 2011, 23, 3319-3334.	3.1	140
142	Plant homologs of the <i>Plasmodium falciparum</i> chloroquine-resistance transporter, <i>Pf</i> CRT, are required for glutathione homeostasis and stress responses. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2331-2336.	3.3	164
143	Conditional modulation of NAD levels and metabolite profiles in Nicotiana sylvestris by mitochondrial electron transport and carbon/nitrogen supply. Planta, 2010, 231, 1145-1157.	1.6	23
144	Recruitment of glutathione into the nucleus during cell proliferation adjusts whole-cell redox homeostasis in Arabidopsis thaliana and lowers the oxidative defence shield. Plant Journal, 2010, 64, 825-838.	2.8	174

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145	Accumulation of Isochorismate-derived 2,3-Dihydroxybenzoic 3-O-Î²-d-Xyloside in Arabidopsis Resistance to Pathogens and Ageing of Leaves. Journal of Biological Chemistry, 2010, 285, 25654-25665.	1.6	82
146	A nuclear glutathione cycle within the cell cycle. Biochemical Journal, 2010, 431, 169-178.	1.7	242
147	Redox Regulation in Photosynthetic Organisms: Signaling, Acclimation, and Practical Implications. Antioxidants and Redox Signaling, 2009, 11, 861-905.	2.5	1,199
148	Pyridine Nucleotide Cycling and Control of Intracellular Redox State in Relation to Poly (ADP-Ribose) Polymerase Activity and Nuclear Localization of Glutathione during Exponential Growth of Arabidopsis Cells in Culture. Molecular Plant, 2009, 2, 442-456.	3.9	81
149	Control of ascorbic acid synthesis and accumulation and glutathione by the incident light red/far red ratio in <i>Phaseolus vulgaris</i> leaves. FEBS Letters, 2009, 583, 118-122.	1.3	82
150	Variations in the dorsoâ€ventral organization of leaf structure and Kranz anatomy coordinate the control of photosynthesis and associated signalling at the whole leaf level in monocotyledonous species. Plant, Cell and Environment, 2009, 32, 1833-1844.	2.8	18
151	Photorespiratory Metabolism: Genes, Mutants, Energetics, and Redox Signaling. Annual Review of Plant Biology, 2009, 60, 455-484.	8.6	518
152	Systemic effects on leaf glutathione metabolism and defence protein expression caused by esca infection in grapevines. Functional Plant Biology, 2009, 36, 260.	1.1	43
153	Redox metabolism and longevity relationships in animals and plants. Preface. SEB Experimental Biology Series, 2009, 62, xix-xx.	0.1	3
154	Gene expression, cellular localisation and function of glutamine synthetase isozymes in wheat (Triticum aestivum L.). Plant Molecular Biology, 2008, 67, 89-105.	2.0	172
155	Adaxial/abaxial specification in the regulation of photosynthesis and stomatal opening with respect to light orientation and growth with CO₂ enrichment in the C₄ species <i>Paspalum dilatatum</i>. New Phytologist, 2008, 177, 186-198.	3.5	62
156	Differential regulation of grain sucrose accumulation and metabolism in <i>Coffea arabica</i> (Arabica) and <i>Coffea canephora</i> (Robusta) revealed through gene expression and enzyme activity analysis. New Phytologist, 2008, 178, 781-797.	3.5	54
157	Mitochondrial respiratory pathways modulate nitrate sensing and nitrogenâ€dependent regulation of plant architecture in <i>Nicotiana sylvestris</i>. Plant Journal, 2008, 54, 976-992.	2.8	58
158	A Temperature-sensitive Mutation in the Arabidopsis thaliana Phosphomannomutase Gene Disrupts Protein Glycosylation and Triggers Cell Death. Journal of Biological Chemistry, 2008, 283, 5708-5718.	1.6	60
159	Cysteine proteinases regulate chloroplast protein content and composition in tobacco leaves: a model for dynamic interactions with ribulose-1,5-bisphosphate carboxylase/oxygenase (Rubisco) vesicular bodies. Journal of Experimental Botany, 2008, 59, 1935-1950.	2.4	123
160	Regulation of Respiration and the Oxygen Diffusion Barrier in Soybean Protect Symbiotic Nitrogen Fixation from Chilling-Induced Inhibition and Shoots from Premature Senescence Â. Plant Physiology, 2008, 148, 316-327.	2.3	29
161	Analysis of Redox Relationships in the Plant Cell Cycle: Determinations of Ascorbate, Glutathione and Poly (ADPribose) Polymerase (PARP) in Plant Cell Cultures. Methods in Molecular Biology, 2008, 476, 193-209.	0.4	14
162	Light and Oxygen Are Not Required for Harpin-induced Cell Death. Journal of Biological Chemistry, 2007, 282, 37556-37566.	1.6	29

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163	An evaluation of the costs of making specific secondary metabolites: Does the yield penalty incurred by host plant resistance to insects result from competition for resources?. International Journal of Pest Management, 2007, 53, 175-182.	0.9	17
164	Mitochondrial redox biology and homeostasis in plants. Trends in Plant Science, 2007, 12, 125-134.	4.3	445
165	Shape-shifters building bridges? Stromules, matrixules and metabolite channelling in photorespiration. Trends in Plant Science, 2007, 12, 381-383.	4.3	12
166	Lack of Respiratory Chain Complex I Impairs Alternative Oxidase Engagement and Modulates Redox Signaling during Elicitor-Induced Cell Death in Tobacco. Plant Cell, 2007, 19, 640-655.	3.1	122
167	Genetic variation in pea (Pisum sativum L.) demonstrates the importance of root but not shoot C/N ratios in the control of plant morphology and reveals a unique relationship between shoot length and nodulation intensity. Plant, Cell and Environment, 2007, 30, 1256-1268.	2.8	13
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