

Barry James Pogson

List of Publications by Year in descending order

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133
papers

14,587
citations

22153

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19749

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146
all docs

146
docs citations

146
times ranked

13354
citing authors

#	ARTICLE	IF	CITATIONS
1	Carotenoid Metabolism in Plants. <i>Molecular Plant</i> , 2015, 8, 68-82.	8.3	863
2	VITAMIN SYNTHESIS IN PLANTS: Tocopherols and Carotenoids. <i>Annual Review of Plant Biology</i> , 2006, 57, 711-738.	18.7	733
3	Source to sink: regulation of carotenoid biosynthesis in plants. <i>Trends in Plant Science</i> , 2010, 15, 266-274.	8.8	732
4	Reconsidering plant memory: Intersections between stress recovery, RNA turnover, and epigenetics. <i>Science Advances</i> , 2016, 2, e1501340.	10.3	477
5	Evidence for a SAL1-PAP Chloroplast Retrograde Pathway That Functions in Drought and High Light Signaling in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2011, 23, 3992-4012.	6.6	473
6	Learning the Languages of the Chloroplast: Retrograde Signaling and Beyond. <i>Annual Review of Plant Biology</i> , 2016, 67, 25-53.	18.7	455
7	Identification of the Carotenoid Isomerase Provides Insight into Carotenoid Biosynthesis, Prolamellar Body Formation, and Photomorphogenesis. <i>Plant Cell</i> , 2002, 14, 321-332.	6.6	437
8	Carotenoid accumulation and function in seeds and non-green tissues. <i>Plant, Cell and Environment</i> , 2006, 29, 435-445.	5.7	395
9	Plastid signalling to the nucleus and beyond. <i>Trends in Plant Science</i> , 2008, 13, 602-609.	8.8	358
10	The Absence of ALTERNATIVE OXIDASE1a in <i>Arabidopsis</i> Results in Acute Sensitivity to Combined Light and Drought Stress. <i>Plant Physiology</i> , 2008, 147, 595-610.	4.8	357
11	<i>Arabidopsis</i> carotenoid mutants demonstrate that lutein is not essential for photosynthesis in higher plants. <i>Plant Cell</i> , 1996, 8, 1627-1639.	6.6	325
12	Altered xanthophyll compositions adversely affect chlorophyll accumulation and nonphotochemical quenching in <i>Arabidopsis</i> mutants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 13324-13329.	7.1	292
13	Remodeled Respiration in <i>ndufs4</i> with Low Phosphorylation Efficiency Suppresses <i>Arabidopsis</i> Germination and Growth and Alters Control of Metabolism at Night. <i>Plant Physiology</i> , 2009, 151, 603-619.	4.8	281
14	Synthesis and Function of Apocarotenoid Signals in Plants. <i>Trends in Plant Science</i> , 2016, 21, 792-803.	8.8	261
15	Global Changes in Gene Expression in Response to High Light in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2002, 130, 1109-1120.	4.8	254
16	Systemic and Intracellular Responses to Photooxidative Stress in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2008, 19, 4091-4110.	6.6	223
17	Functional Analysis of the b and e Lycopene Cyclase Enzymes of <i>Arabidopsis</i> Reveals a Mechanism for Control of Cyclic Carotenoid Formation. <i>Plant Cell</i> , 1996, 8, 1613.	6.6	219
18	A rapid, non-invasive procedure for quantitative assessment of drought survival using chlorophyll fluorescence. <i>Plant Methods</i> , 2008, 4, 27.	4.3	215

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19	Signaling from the Endoplasmic Reticulum Activates Brassinosteroid Signaling and Promotes Acclimation to Stress in <i>Arabidopsis</i> . <i>Science Signaling</i> , 2010, 3, ra69.	3.6	211
20	Regulation of Carotenoid Composition and Shoot Branching in <i>Arabidopsis</i> by a Chromatin Modifying Histone Methyltransferase, SDG8. <i>Plant Cell</i> , 2009, 21, 39-53.	6.6	207
21	Photoprotection in a zeaxanthin- and lutein-deficient double mutant of <i>Arabidopsis</i> . <i>Photosynthesis Research</i> , 2001, 67, 139-145.	2.9	194
22	Genetic Dissection of Chloroplast Biogenesis and Development: An Overview. <i>Plant Physiology</i> , 2011, 155, 1545-1551.	4.8	192
23	Chloroplast function and ion regulation in plants growing on saline soils: lessons from halophytes. <i>Journal of Experimental Botany</i> , 2017, 68, 3129-3143.	4.8	187
24	Hypoxia-responsive microRNAs and trans-acting small interfering RNAs in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2010, 61, 165-177.	4.8	184
25	Balancing metabolites in drought: the sulfur assimilation conundrum. <i>Trends in Plant Science</i> , 2013, 18, 18-29.	8.8	184
26	A mutation affecting ASCORBATE PEROXIDASE 2 gene expression reveals a link between responses to high light and drought tolerance. <i>Plant, Cell and Environment</i> , 2006, 29, 269-281.	5.7	172
27	The nucleotidase/phosphatase SAL1 is a negative regulator of drought tolerance in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2009, 58, 299-317.	5.7	164
28	Insights into chloroplast biogenesis and development. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1017-1024.	1.0	164
29	An Uncharacterized Apocarotenoid-Derived Signal Generated in β -Carotene Desaturase Mutants Regulates Leaf Development and the Expression of Chloroplast and Nuclear Genes in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 2524-2537.	6.6	160
30	Evolutionary Conservation of ABA Signaling for Stomatal Closure. <i>Plant Physiology</i> , 2017, 174, 732-747.	4.8	158
31	Sensing and signaling of oxidative stress in chloroplasts by inactivation of the SAL1 phosphoadenosine phosphatase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4567-76.	7.1	147
32	Periodic root branching in <i>Arabidopsis</i> requires synthesis of an uncharacterized carotenoid derivative. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1300-9.	7.1	139
33	Evolution of chloroplast retrograde signaling facilitates green plant adaptation to land. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5015-5020.	7.1	138
34	A chloroplast retrograde signal, 3 β -phosphoadenosine 5 β -phosphate, acts as a secondary messenger in abscisic acid signaling in stomatal closure and germination. <i>ELife</i> , 2017, 6, .	6.0	132
35	Impact of chloroplastic- and extracellular-sourced ROS on high light-responsive gene expression in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2008, 59, 121-133.	4.8	128
36	Genetic manipulation of carotenoid biosynthesis and photoprotection. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000, 355, 1395-1403.	4.0	125

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37	The multiple roles of light-harvesting chlorophyll a/b-protein complexes define structure and optimize function of Arabidopsis chloroplasts: A study using two chlorophyll b-less mutants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 973-984.	1.0	124
38	Subset of heat-shock transcription factors required for the early response of <i>Arabidopsis</i> to excess light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14474-14479.	7.1	123
39	Alternative splicing, activation of cryptic exons and amino acid substitutions in carotenoid biosynthetic genes are associated with lutein accumulation in wheat endosperm. <i>Functional and Integrative Genomics</i> , 2009, 9, 363-376.	3.5	118
40	Chlorophyll Biosynthesis. Expression of a Second <i>Chl L</i> Gene of Magnesium Chelatase in Arabidopsis Supports Only Limited Chlorophyll Synthesis. <i>Plant Physiology</i> , 2002, 128, 770-779.	4.8	113
41	The Arabidopsis DNA Methylome Is Stable under Transgenerational Drought Stress. <i>Plant Physiology</i> , 2017, 175, 1893-1912.	4.8	112
42	Morphine-pathway block in top1 poppies. <i>Nature</i> , 2004, 431, 413-414.	27.8	108
43	Ethylene Responses in Rice Roots and Coleoptiles Are Differentially Regulated by a Carotenoid Isomerase-Mediated Abscisic Acid Pathway. <i>Plant Cell</i> , 2015, 27, 1061-1081.	6.6	107
44	TraitCapture: genomic and environment modelling of plant phenomic data. <i>Current Opinion in Plant Biology</i> , 2014, 18, 73-79.	7.1	101
45	Exploring the Function-Location Nexus: Using Multiple Lines of Evidence in Defining the Subcellular Location of Plant Proteins. <i>Plant Cell</i> , 2009, 21, 1625-1631.	6.6	95
46	Wheat drought tolerance in the field is predicted by amino acid responses to glasshouse-imposed drought. <i>Journal of Experimental Botany</i> , 2019, 70, 4931-4948.	4.8	92
47	Differential Expression of Two 1-Aminocyclopropane-1-Carboxylic Acid Oxidase Genes in Broccoli after Harvest. <i>Plant Physiology</i> , 1995, 108, 651-657.	4.8	90
48	Rapid Recovery Gene Downregulation during Excess-Light Stress and Recovery in Arabidopsis. <i>Plant Cell</i> , 2017, 29, 1836-1863.	6.6	90
49	A comparison of the EU regulatory approach to directed mutagenesis with that of other jurisdictions, consequences for international trade and potential steps forward. <i>New Phytologist</i> , 2019, 222, 1673-1684.	7.3	90
50	The Cytoskeleton and the Peroxisomal-Targeted SNOWY COTYLEDON3 Protein Are Required for Chloroplast Development in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2010, 22, 3423-3438.	6.6	77
51	Addressing Research Bottlenecks to Crop Productivity. <i>Trends in Plant Science</i> , 2021, 26, 607-630.	8.8	76
52	A GDSL Esterase/Lipase Catalyzes the Esterification of Lutein in Bread Wheat. <i>Plant Cell</i> , 2019, 31, 3092-3112.	6.6	74
53	Improved survival of very high light and oxidative stress is conferred by spontaneous gain-of-function mutations in <i>Chlamydomonas</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1709, 45-57.	1.0	72
54	A simple chlorophyll fluorescence parameter that correlates with the rate coefficient of photoinactivation of Photosystem II. <i>Photosynthesis Research</i> , 2005, 84, 43-49.	2.9	69

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55	<i>Arabidopsis</i> tRNA Adenosine Deaminase Arginine Edits the Wobble Nucleotide of Chloroplast tRNA ^{Arg} (ACG) and Is Essential for Efficient Chloroplast Translation. <i>Plant Cell</i> , 2009, 21, 2058-2071.	6.6	69
56	More than meets the eye: from carotenoid biosynthesis, to new insights into apocarotenoid signaling. <i>Current Opinion in Plant Biology</i> , 2015, 27, 172-179.	7.1	67
57	Transcriptional Control of SET DOMAIN GROUP 8 and CAROTENOID ISOMERASE during <i>Arabidopsis</i> Development. <i>Molecular Plant</i> , 2010, 3, 174-191.	8.3	65
58	Role of the <i>Arabidopsis</i> PIN6 Auxin Transporter in Auxin Homeostasis and Auxin-Mediated Development. <i>PLoS ONE</i> , 2013, 8, e70069.	2.5	65
59	Histone Acetylation, VERNALIZATION INSENSITIVE 3, FLOWERING LOCUS C, and the Vernalization Response. <i>Molecular Plant</i> , 2009, 2, 724-737.	8.3	64
60	The SCO2 protein disulphide isomerase is required for thylakoid biogenesis and interacts with LCHB1 chlorophyll a/b binding proteins which affects chlorophyll biosynthesis in <i>Arabidopsis</i> seedlings. <i>Plant Journal</i> , 2012, 69, 743-754.	5.7	64
61	A Novel <i>fry1</i> Allele Reveals the Existence of a Mutant Phenotype Unrelated to 5'â€²-3' Exoribonuclease (XRN) Activities in <i>Arabidopsis thaliana</i> Roots. <i>PLoS ONE</i> , 2011, 6, e16724.	2.5	64
62	Chloroplast-to-nucleus communication. <i>Plant Signaling and Behavior</i> , 2010, 5, 1575-1582.	2.4	63
63	Regulation of lutein biosynthesis and prolamellar body formation in <i>Arabidopsis</i> . <i>Functional Plant Biology</i> , 2007, 34, 663.	2.1	59
64	VERNALIZATION INSENSITIVE 3 (<i>VIN3</i>) is required for the response of <i>Arabidopsis thaliana</i> seedlings exposed to low oxygen conditions. <i>Plant Journal</i> , 2009, 59, 576-587.	5.7	59
65	Uncoupling High Light Responses from Singlet Oxygen Retrograde Signaling and Spatial-Temporal Systemic Acquired Acclimation. <i>Plant Physiology</i> , 2016, 171, 1734-1749.	4.8	59
66	Convergence of mitochondrial and chloroplastic ANAC017/PAP-dependent retrograde signalling pathways and suppression of programmed cell death. <i>Cell Death and Differentiation</i> , 2017, 24, 955-960.	11.2	58
67	Occurrence of the lutein-epoxide cycle in mistletoes of the Loranthaceae and Viscaceae. <i>Planta</i> , 2003, 217, 868-879.	3.2	54
68	LETM Proteins Play a Role in the Accumulation of Mitochondrially Encoded Proteins in <i>Arabidopsis thaliana</i> and <i>AtLETM2</i> Displays Parent of Origin Effects. <i>Journal of Biological Chemistry</i> , 2012, 287, 41757-41773.	3.4	54
69	Predicting dark respiration rates of wheat leaves from hyperspectral reflectance. <i>Plant, Cell and Environment</i> , 2019, 42, 2133-2150.	5.7	54
70	Quantification of cyclic electron flow around Photosystem I in spinach leaves during photosynthetic induction. <i>Photosynthesis Research</i> , 2007, 94, 347-357.	2.9	53
71	Prospects for Carotenoid Biofortification Targeting Retention and Catabolism. <i>Trends in Plant Science</i> , 2020, 25, 501-512.	8.8	53
72	Glucose-induced Expression of Carotenoid Biosynthesis Genes in the Dark Is Mediated by Cytosolic pH in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Biological Chemistry</i> , 2004, 279, 25320-25325.	3.4	50

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73	Systemic and Local Responses to Repeated HL Stress-Induced Retrograde Signaling in Arabidopsis. <i>Frontiers in Plant Science</i> , 2012, 3, 303.	3.6	49
74	A cis-carotene derived apocarotenoid regulates etioplast and chloroplast development. <i>ELife</i> , 2020, 9, .	6.0	49
75	Reconsidering the nature and mode of action of metabolite retrograde signals from the chloroplast. <i>Frontiers in Plant Science</i> , 2012, 3, 300.	3.6	48
76	Using Phenomic Analysis of Photosynthetic Function for Abiotic Stress Response Gene Discovery. <i>The Arabidopsis Book</i> , 2016, 14, e0185.	0.5	48
77	Comparative proteomics of high light stress in the model alga <i>Chlamydomonas reinhardtii</i> . <i>Proteomics</i> , 2006, 6, 4309-4320.	2.2	47
78	The Transcription Factor MYB29 Is a Regulator of <i>ALTERNATIVE OXIDASE1a</i> . <i>Plant Physiology</i> , 2017, 173, 1824-1843.	4.8	46
79	A Mak-like kinase is a repressor of GAMYB in barley aleurone. <i>Plant Journal</i> , 2003, 33, 707-717.	5.7	45
80	Lutein from Deepoxidation of Lutein Epoxide Replaces Zeaxanthin to Sustain an Enhanced Capacity for Nonphotochemical Chlorophyll Fluorescence Quenching in Avocado Shade Leaves in the Dark. <i>Plant Physiology</i> , 2011, 156, 393-403.	4.8	45
81	A chromatin modifying enzyme, SDG8, is involved in morphological, gene expression, and epigenetic responses to mechanical stimulation. <i>Frontiers in Plant Science</i> , 2014, 5, 533.	3.6	44
82	Relative functional and optical absorption cross-sections of PSII and other photosynthetic parameters monitored in situ, at a distance with a time resolution of a few seconds, using a prototype light induced fluorescence transient (LIFT) device. <i>Functional Plant Biology</i> , 2017, 44, 985.	2.1	40
83	De Novo Synthesis and Degradation of Lx and V Cycle Pigments during Shade and Sun Acclimation in Avocado Leaves. <i>Plant Physiology</i> , 2009, 149, 1179-1195.	4.8	39
84	Consequences of Cool Storage of Broccoli on Physiological and Biochemical Changes and Subsequent Senescence at 20 °C. <i>Journal of the American Society for Horticultural Science</i> , 1997, 122, 553-558.	1.0	39
85	Canopy conundrums: building on the Biosphere 2 experience to scale measurements of inner and outer canopy photoprotection from the leaf to the landscape. <i>Functional Plant Biology</i> , 2012, 39, 1.	2.1	38
86	Characterization of a cDNA encoding the protein moiety of a putative arabinogalactan protein from <i>Lycopersicon esculentum</i> . <i>Plant Molecular Biology</i> , 1995, 28, 347-352.	3.9	36
87	Molecular characterization and transcriptome analysis of orange head Chinese cabbage (<i>Brassica</i>) Tj ETQq1 1 0.784314 rgBT/Overlo	3.2	36
88	Antisense inhibition of the beta-carotene hydroxylase enzyme in Arabidopsis and the implications for carotenoid accumulation, photoprotection and antenna assembly. , 2001, 67, 127-137.		33
89	Maintenance of pre-existing DNA methylation states through recurring excess light stress. <i>Plant, Cell and Environment</i> , 2018, 41, 1657-1672.	5.7	33
90	Potential implications for epigenetic regulation of carotenoid biosynthesis during root and shoot development. <i>Plant Signaling and Behavior</i> , 2009, 4, 339-341.	2.4	30

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91	From ecophysiology to phenomics: some implications of photoprotection and shade“sun acclimation <i>in situ</i> for dynamics of thylakoids <i>in vitro</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 3503-3514.	4.0	30
92	Chloroplast Activity and 3-phosphadenosine 5-phosphate Signaling Regulate Programmed Cell Death in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2016, 170, 1745-1756.	4.8	30
93	Suppression of glucan, water dikinase in the endosperm alters wheat grain properties, germination and coleoptile growth. <i>Plant Biotechnology Journal</i> , 2016, 14, 398-408.	8.3	29
94	Photoprotection of residual functional photosystem II units that survive illumination in the absence of repair, and their critical role in subsequent recovery. <i>Physiologia Plantarum</i> , 2006, 128, 415-424.	5.2	28
95	Promoting gene expression in plants by permissive histone lysine methylation. <i>Plant Signaling and Behavior</i> , 2009, 4, 484-488.	2.4	26
96	A mutation in the purine biosynthetic enzyme ATASE2 impacts high light signalling and acclimation responses in green and chlorotic sectors of <i>Arabidopsis</i> leaves. <i>Functional Plant Biology</i> , 2011, 38, 401.	2.1	26
97	A Genome-Wide Association Study of Non-Photochemical Quenching in response to local seasonal climates in <i>Arabidopsis thaliana</i> . <i>Plant Direct</i> , 2019, 3, e00138.	1.9	25
98	Effects of altered β - and γ -branch carotenoid biosynthesis on photoprotection and whole-plant acclimation of <i>Arabidopsis</i> to photo-oxidative stress. <i>Plant, Cell and Environment</i> , 2013, 36, 438-453.	5.7	24
99	On the Occurrence and Structure of Subunits of Endopolygalacturonase Isoforms in Mature-Green and Ripening Tomato Fruits. <i>Functional Plant Biology</i> , 1991, 18, 65.	2.1	24
100	The Role of Carotenoids in Energy Quenching. , 2005, , 515-537.		23
101	Inflorescence stem grafting made easy in <i>Arabidopsis</i> . <i>Plant Methods</i> , 2012, 8, 50.	4.3	23
102	Genomic breeding for food, environment and livelihoods. <i>Food Security</i> , 2015, 7, 375-382.	5.3	23
103	RNA Polymerase II Read-Through Promotes Expression of Neighboring Genes in SAL1-PAP-XRN Retrograde Signaling. <i>Plant Physiology</i> , 2018, 178, 1614-1630.	4.8	23
104	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
105	The promoter of the <i>Arabidopsis</i> PIN6 auxin transporter enabled strong expression in the vasculature of roots, leaves, floral stems and reproductive organs. <i>Plant Signaling and Behavior</i> , 2014, 9, e27898.	2.4	20
106	The <i>Arabidopsis</i> SAL1-PAP Pathway: A Case Study for Integrating Chloroplast Retrograde, Light and Hormonal Signaling in Modulating Plant Growth and Development?. <i>Frontiers in Plant Science</i> , 2018, 9, 1171.	3.6	20
107	A Novel Proteinase, SNOWY COTYLEDON4, Is Required for Photosynthetic Acclimation to Higher Light Intensities in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2013, 163, 732-745.	4.8	19
108	Nucleotide Sequence of a cDNA Clone Encoding 1-Aminocyclopropane-1-Carboxylic Acid Synthase from Broccoli. <i>Plant Physiology</i> , 1995, 108, 857-858.	4.8	18

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109	Decreased Photochemical Efficiency of Photosystem II following Sunlight Exposure of Shade-Grown Leaves of Avocado: Because of, or in Spite of, Two Kinetically Distinct Xanthophyll Cycles? <i>Plant Physiology</i> , 2013, 161, 836-852.	4.8	18
110	Carotenoids in Photosynthesis. , 2004, , 245-249.		18
111	Deconvoluting apocarotenoid-mediated retrograde signaling networks regulating plastid translation and leaf development. <i>Plant Journal</i> , 2021, 105, 1582-1599.	5.7	17
112	Immunofluorescence localization of α -amylase in the scutellum, germ aleurone and β normal? aleurone of germinated barley grains. <i>Protoplasma</i> , 1989, 151, 128-136.	2.1	16
113	Probing functional and optical cross-sections of PSII in leaves during state transitions using fast repetition rate light induced fluorescence transients. <i>Functional Plant Biology</i> , 2019, 46, 567.	2.1	15
114	Do multiple forms of tomato fruit endopolygalacturonase exist in situ?. <i>Postharvest Biology and Technology</i> , 1993, 3, 17-26.	6.0	14
115	The global plant council: Increasing the impact of plant research to meet global challenges. <i>Journal of Plant Biology</i> , 2012, 55, 343-348.	2.1	13
116	Volatile apocarotenoid discovery and quantification in <i>Arabidopsis thaliana</i> : optimized sensitive analysis via HS-SPME-GC/MS. <i>Metabolomics</i> , 2019, 15, 79.	3.0	13
117	Isolation of the Plant Cytosolic Fraction for Proteomic Analysis. <i>Methods in Molecular Biology</i> , 2014, 1072, 453-467.	0.9	10
118	Development of strategies for genetic manipulation and fine-tuning of a chloroplast retrograde signal 3- α -phosphoadenosine 5- α -phosphate. <i>Plant Direct</i> , 2018, 2, e00031.	1.9	9
119	Excess Light Priming in <i>Arabidopsis thaliana</i> Genotypes with Altered DNA Methylomes. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 3611-3621.	1.8	9
120	Identifying Photoprotection Mutants in <i>Arabidopsis thaliana</i> . , 2004, 274, 287-300.		8
121	Autophagy mutants show delayed chloroplast development during de-etiolation in carbon limiting conditions. <i>Plant Journal</i> , 2021, 108, 459-477.	5.7	6
122	Enzymes degraded under high light maintain proteostasis by transcriptional regulation in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2121362119.	7.1	6
123	Accumulation of the β -subunit of polygalacturonase 1 in normal and mutant tomato fruit. <i>Planta</i> , 1993, 191, 71.	3.2	5
124	Identifying Chloroplast Biogenesis and Signalling Mutants in <i>Arabidopsis thaliana</i> . <i>Methods in Molecular Biology</i> , 2011, 684, 257-272.	0.9	5
125	Genetic suppression of plant development and chloroplast biogenesis via the Snowy Cotyledon 3 and Phytochrome B pathways. <i>Functional Plant Biology</i> , 2015, 42, 676.	2.1	5
126	Nucleotide Sequence of a cDNA Clone from Broccoli with High Identity with the PSST Subunit of NADH:Ubiquinone Oxidoreductase. <i>Plant Physiology</i> , 1995, 108, 859-860.	4.8	4

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127	Postharvest Senescence of Vegetables and its Regulation. , 2004, , 319-329.		4
128	A foliar pigment-based bioassay for interrogating chloroplast signalling revealed that carotenoid isomerisation regulates chlorophyll abundance. Plant Methods, 2022, 18, 18.	4.3	4
129	Systemic Photooxidative Stress Signalling. Signaling and Communication in Plants, 2013, , 251-274.	0.7	2
130	Detection and analysis of novel and known plant volatile apocarotenoids. Methods in Enzymology, 2022, , 311-368.	1.0	2
131	An Overview of Chloroplast Biogenesis and Development. , 2014, , 115-128.		1
132	The Plant CellIntroduces Breakthrough Reports: A New Forum for Cutting-Edge Plant Research. Plant Cell, 2015, , tpc.15.00862.	6.6	1
133	Characterization of Mutations Disrupting Carotenoid Biosynthesis in Arabidopsis Thaliana. , 1995, , 3039-3042.		0