

Bernhard Grimm

List of Publications by Year in descending order

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157
papers

8,855
citations

26630

56
h-index

54911

84
g-index

163
all docs

163
docs citations

163
times ranked

7414
citing authors

#	ARTICLE	IF	CITATIONS
1	Client Specificity of an ATP-independent Chaperone is Regulated by a Temperature Sensitive Switch. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
2	Post-translational regulation of metabolic checkpoints in plant tetrapyrrole biosynthesis. <i>Journal of Experimental Botany</i> , 2022, 73, 4624-4636.	4.8	13
3	Two chloroplast-localized <sc>MORF</sc> proteins act as chaperones to maintain tetrapyrrole biosynthesis. <i>New Phytologist</i> , 2022, 235, 1868-1883.	7.3	8
4	Chlorophyll dephytylase 1 and chlorophyll synthase: a chlorophyll salvage pathway for the turnover of photosystems I and <sc>II</sc>. <i>Plant Journal</i> , 2022, 111, 979-994.	5.7	10
5	The DnaJ proteins DJA6 and DJA5 are essential for chloroplast iron-sulfur cluster biogenesis. <i>EMBO Journal</i> , 2021, 40, e106742.	7.8	17
6	<i>In vivo</i> functional analysis of the structural domains of FLUORESCENT (FLU). <i>Plant Journal</i> , 2021, 107, 360-376.	5.7	12
7	Connecting Chlorophyll Metabolism with Accumulation of the Photosynthetic Apparatus. <i>Trends in Plant Science</i> , 2021, 26, 484-495.	8.8	122
8	Chloroplast SRP43 autonomously protects chlorophyll biosynthesis proteins against heat shock. <i>Nature Plants</i> , 2021, 7, 1420-1432.	9.3	26
9	Acclimation in plants – the Green Hub consortium. <i>Plant Journal</i> , 2021, 106, 23-40.	5.7	44
10	Thioredoxin-dependent control balances the metabolic activities of tetrapyrrole biosynthesis. <i>Biological Chemistry</i> , 2021, 402, 379-397.	2.5	13
11	The Flavoproteome of the Model Plant <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 5371.	4.1	15
12	Photoprotection of Photosynthetic Pigments in Plant One-Helix Protein 1/2 Heterodimers. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9387-9392.	4.6	11
13	ONE-HELIX PROTEIN1 and 2 Form Heterodimers to Bind Chlorophyll in Photosystem II Biogenesis. <i>Plant Physiology</i> , 2020, 183, 179-193.	4.8	29
14	The <i>genomes uncoupled</i>-dependent signalling pathway coordinates plastid biogenesis with the synthesis of anthocyanins. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190403.	4.0	24
15	Post-translational coordination of chlorophyll biosynthesis and breakdown by BCMs maintains chlorophyll homeostasis during leaf development. <i>Nature Communications</i> , 2020, 11, 1254.	12.8	41
16	Characterization of a Plastoglobule-Localized SOUL4 Heme-Binding Protein in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 2.	3.6	20
17	Expression and Purification of <i>Arabidopsis</i> Transmembrane Protein BCM1 in <i>Saccharomyces cerevisiae</i> . <i>Bio-protocol</i> , 2020, 10, e3758.	0.4	0
18	Fluorescence in blue light (FLU) is involved in inactivation and localization of glutamyl-tRNA reductase during light exposure. <i>Plant Journal</i> , 2019, 97, 517-529.	5.7	33

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19	Porphyrin and heme synthesis. <i>Advances in Botanical Research</i> , 2019, 91, 89-131.	1.1	10
20	The function of PROTOPORPHYRINOGEN IX OXIDASE in chlorophyll biosynthesis requires oxidised plastoquinone in <i>Chlamydomonas reinhardtii</i> . <i>Communications Biology</i> , 2019, 2, 159.	4.4	28
21	Control of retrograde signalling by protein import and cytosolic folding stress. <i>Nature Plants</i> , 2019, 5, 525-538.	9.3	109
22	MapB Protein is the Essential Methionine Aminopeptidase in <i>Mycobacterium tuberculosis</i> . <i>Cells</i> , 2019, 8, 393.	4.1	6
23	The multifaceted regulation of 5-aminolevulinic acid synthesis. Numerous ways to control glutamyl-tRNA reductase. <i>Advances in Botanical Research</i> , 2019, , 69-87.	1.1	2
24	Posttranslational control of tetrapyrrole biosynthesis: Interacting proteins, chaperones, auxiliary factors. <i>Advances in Botanical Research</i> , 2019, , 163-194.	1.1	5
25	Complementation studies of the <i>YCF1</i> mutant substantiate essential functions of ferrochelatase 1 during embryogenesis and salt stress. <i>Plant, Cell and Environment</i> , 2019, 42, 618-632.	5.7	26
26	The GluTR-binding protein is the heme-binding factor for feedback control of glutamyl-tRNA reductase. <i>ELife</i> , 2019, 8, .	6.0	40
27	Potential roles of <i>YCF54</i> and ferredoxin-NADPH reductase for magnesium protoporphyrin monomethylester cyclase. <i>Plant Journal</i> , 2018, 94, 485-496.	5.7	25
28	LLM-Domain B-GATA Transcription Factors Play Multifaceted Roles in Controlling Greening in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2018, 30, 582-599.	6.6	46
29	Chloroplast SRP43 acts as a chaperone for glutamyl-tRNA reductase, the rate-limiting enzyme in tetrapyrrole biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3588-E3596.	7.1	45
30	Requirement of ONE-HELIX PROTEIN 1 (OHP1) in early <i>Arabidopsis</i> seedling development and under high light intensity. <i>Plant Signaling and Behavior</i> , 2018, 13, e1550317.	2.4	9
31	Towards Initial Indications for a Thiol-Based Redox Control of <i>Arabidopsis</i> 5-Aminolevulinic Acid Dehydratase. <i>Antioxidants</i> , 2018, 7, 152.	5.1	9
32	ONE-HELIX PROTEIN2 (OHP2) Is Required for the Stability of OHP1 and Assembly Factor HCF244 and Is Functionally Linked to PSII Biogenesis. <i>Plant Physiology</i> , 2018, 177, 1453-1472.	4.8	51
33	Controlled Partitioning of Glutamyl-tRNA Reductase in Stroma- and Membrane-Associated Fractions Affects the Synthesis of 5-Aminolevulinic Acid. <i>Plant and Cell Physiology</i> , 2018, 59, 2204-2213.	3.1	11
34	Inhibition of TOR Represses Nutrient Consumption, Which Improves Greening after Extended Periods of Etiolation. <i>Plant Physiology</i> , 2018, 178, 101-117.	4.8	27
35	Redox control of chlorophyll biosynthesis mainly depends on thioredoxins. <i>FEBS Letters</i> , 2018, 592, 3111-3115.	2.8	24
36	Transcriptional and post-translational control of chlorophyll biosynthesis by dark-operative protochlorophyllide oxidoreductase in Norway spruce. <i>Photosynthesis Research</i> , 2017, 132, 165-179.	2.9	13

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37	LIL3, a Light-Harvesting Complex Protein, Links Terpenoid and Tetrapyrrole Biosynthesis in <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 2017, 174, 1037-1050.	4.8	55
38	Thioredoxin and NADPH-Dependent Thioredoxin Reductase C Regulation of Tetrapyrrole Biosynthesis. <i>Plant Physiology</i> , 2017, 175, 652-666.	4.8	53
39	Cytokinin Regulates the Etioplast-Chloroplast Transition through the Two-Component Signaling System and Activation of Chloroplast-Related Genes. <i>Plant Physiology</i> , 2016, 172, 464-478.	4.8	85
40	Identification of four plastid-localized protein kinases. <i>FEBS Letters</i> , 2016, 590, 1749-1756.	2.8	8
41	Phosphorylation of GENOMES UNCOUPLED 4 Alters Stimulation of Mg Chelatase Activity in <i>Angiosperms</i> . <i>Plant Physiology</i> , 2016, 172, 1578-1595.	4.8	34
42	Comparative Analysis of Light-Harvesting Antennae and State Transition in <i>chlorina</i> and cpSRP Mutants. <i>Plant Physiology</i> , 2016, 172, 1519-1531.	4.8	16
43	Transgenic Tobacco Lines Expressing Sense or Antisense FERROCHELATASE 1RNA Show Modified Ferrochelatase Activity in Roots and Provide Experimental Evidence for Dual Localization of Ferrochelatase 1. <i>Plant and Cell Physiology</i> , 2016, 57, 2576-2585.	3.1	17
44	Mg chelatase in chlorophyll synthesis and retrograde signaling in <i>Chlamydomonas reinhardtii</i> : CHL2 cannot substitute for CHL1. <i>Journal of Experimental Botany</i> , 2016, 67, 3925-3938.	4.8	26
45	Posttranslational Control of ALA Synthesis Includes GluTR Degradation by Clp Protease and Stabilization by GluTR-Binding Protein. <i>Plant Physiology</i> , 2016, 170, 2040-2051.	4.8	85
46	GUN1 Controls Accumulation of the Plastid Ribosomal Protein S1 at the Protein Level and Interacts with Proteins Involved in Plastid Protein Homeostasis. <i>Plant Physiology</i> , 2016, 170, 1817-1830.	4.8	100
47	<i>Arabidopsis</i> Mg-Protoporphyrin IX Methyltransferase Activity and Redox Regulation Depend on Conserved Cysteines. <i>Plant and Cell Physiology</i> , 2016, 57, 519-527.	3.1	18
48	Pea aphid infestation induces changes in flavonoids, antioxidative defence, soluble sugars and sugar transporter expression in leaves of pea seedlings. <i>Protoplasma</i> , 2016, 253, 1063-1079.	2.1	42
49	Function of Tetrapyrroles, Regulation of Tetrapyrrole Metabolism and Methods for Analyses of Tetrapyrroles. <i>Procedia Chemistry</i> , 2015, 14, 171-175.	0.7	15
50	Altered levels of LIL3 isoforms in <i>Arabidopsis</i> lead to disturbed pigment-protein assembly and chlorophyll synthesis, chlorotic phenotype and impaired photosynthetic performance. <i>Plant, Cell and Environment</i> , 2015, 38, 2115-2127.	5.7	24
51	Regulation and function of tetrapyrrole biosynthesis in plants and algae. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 968-985.	1.0	192
52	Production of ketocarotenoids in tobacco alters the photosynthetic efficiency by reducing photosystem II supercomplex and LHCII trimer stability. <i>Photosynthesis Research</i> , 2015, 123, 157-165.	2.9	12
53	Organization of chlorophyll biosynthesis and insertion of chlorophyll into the chlorophyll-binding proteins in chloroplasts. <i>Photosynthesis Research</i> , 2015, 126, 189-202.	2.9	88
54	Discovery of a Unique Clp Component, ClpF, in Chloroplasts: A Proposed Binary ClpF-ClpS1 Adaptor Complex Functions in Substrate Recognition and Delivery. <i>Plant Cell</i> , 2015, 27, tpc.15.00574.	6.6	63

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55	The extreme Albino3 (Alb3) C terminus is required for Alb3 stability and function in <i>Arabidopsis thaliana</i> . <i>Planta</i> , 2015, 242, 733-746.	3.2	12
56	Identification of Early Nuclear Target Genes of Plastidial Redox Signals that Trigger the Long-Term Response of <i>Arabidopsis</i> to Light Quality Shifts. <i>Molecular Plant</i> , 2015, 8, 1237-1252.	8.3	38
57	Functional characterization of the two ferrochelatases in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2015, 38, 280-298.	5.7	67
58	The GUN4 protein plays a regulatory role in tetrapyrrole biosynthesis and chloroplast to nucleus signalling in <i>Clostridium reinhardtii</i> . <i>Plant Journal</i> , 2014, 79, 285-298.	5.7	41
59	Increased expression of Fe-chelatase leads to increased metabolic flux into heme and confers protection against photodynamically induced oxidative stress. <i>Plant Molecular Biology</i> , 2014, 86, 271-287.	3.9	37
60	The essential role of sugar metabolism in the acclimation response of <i>Arabidopsis thaliana</i> to high light intensities. <i>Journal of Experimental Botany</i> , 2014, 65, 1619-1636.	4.8	68
61	Induced Deactivation of Genes Encoding Chlorophyll Biosynthesis Enzymes Disentangles Tetrapyrrole-Mediated Retrograde Signaling. <i>Molecular Plant</i> , 2014, 7, 1211-1227.	8.3	55
62	Meta-Analysis of Retrograde Signaling in <i>Arabidopsis thaliana</i> Reveals a Core Module of Genes Embedded in Complex Cellular Signaling Networks. <i>Molecular Plant</i> , 2014, 7, 1167-1190.	8.3	69
63	Tetrapyrrole biosynthetic enzyme protoporphyrinogen IX oxidase 1 is required for plastid RNA editing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2023-2028.	7.1	120
64	Intracellular Communication. <i>Molecular Plant</i> , 2014, 7, 1071-1074.	8.3	10
65	A Shoot-Specific Hypoxic Response of <i>Arabidopsis</i> Sheds Light on the Role of the Phosphate-Responsive Transcription Factor PHOSPHATE STARVATION RESPONSE1. <i>Plant Physiology</i> , 2014, 165, 774-790.	4.8	50
66	GluTR2 Complements a hema1 Mutant Lacking Glutamyl-tRNA Reductase 1, but is Differently Regulated at the Post-Translational Level. <i>Plant and Cell Physiology</i> , 2014, 55, 645-657.	3.1	26
67	<i>Arabidopsis</i> Chlorophyll Biosynthesis: An Essential Balance between the Methylerythritol Phosphate and Tetrapyrrole Pathways. <i>Plant Cell</i> , 2014, 25, 4984-4993.	6.6	58
68	A Novel Protective Function for Cytokinin in the Light Stress Response Is Mediated by the ARABIDOPSIS HISTIDINE KINASE2 and ARABIDOPSIS HISTIDINE KINASE3 Receptors. <i>Plant Physiology</i> , 2014, 164, 1470-1483.	4.8	96
69	Posttranslational Influence of NADPH-Dependent Thioredoxin Reductase C on Enzymes in Tetrapyrrole Synthesis. <i>Plant Physiology</i> , 2013, 162, 63-73.	4.8	114
70	Site directed mutagenesis of StSUT1 reveals target amino acids of regulation and stability. <i>Biochimie</i> , 2013, 95, 2132-2144.	2.6	9
71	Chlorophyll <i>a</i> phytylation is required for the stability of photosystems I and II in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Plant Journal</i> , 2013, 73, 336-346.	5.7	12
72	Virus-induced gene silencing of pea CHLI and CHLD affects tetrapyrrole biosynthesis, chloroplast development and the primary metabolic network. <i>Plant Physiology and Biochemistry</i> , 2013, 65, 17-26.	5.8	46

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73	Thiol-based redox control of enzymes involved in the tetrapyrrole biosynthesis pathway in plants. <i>Frontiers in Plant Science</i> , 2013, 4, 371.	3.6	56
74	Photoperiodic regulation of the sucrose transporter StSUT4 affects the expression of circadian-regulated genes and ethylene production. <i>Frontiers in Plant Science</i> , 2013, 4, 26.	3.6	76
75	Characterization of the Phosphofructokinase Gene Family in Rice and Its Expression Under Oxygen Deficiency Stress. <i>Frontiers in Plant Science</i> , 2013, 4, 125.	3.6	63
76	New insights in the topology of the biosynthesis of 5-aminolevulinic acid. <i>Plant Signaling and Behavior</i> , 2013, 8, e23124.	2.4	11
77	Arabidopsis RIBA Proteins: Two out of Three Isoforms Have Lost Their Bifunctional Activity in Riboflavin Biosynthesis. <i>International Journal of Molecular Sciences</i> , 2012, 13, 14086-14105.	4.1	34
78	Homologous NF-YC2 Subunit from Arabidopsis and Tobacco Is Activated by Photooxidative Stress and Induces Flowering. <i>International Journal of Molecular Sciences</i> , 2012, 13, 3458-3477.	4.1	81
79	Evidence for a Contribution of ALA Synthesis to Plastid-To-Nucleus Signaling. <i>Frontiers in Plant Science</i> , 2012, 3, 236.	3.6	41
80	Thioredoxin Redox Regulates ATPase Activity of Magnesium Chelatase CHL1 Subunit and Modulates Redox-Mediated Signaling in Tetrapyrrole Biosynthesis and Homeostasis of Reactive Oxygen Species in Pea Plants. <i>Plant Physiology</i> , 2012, 159, 118-130.	4.8	84
81	LCAA, a Novel Factor Required for Magnesium Protoporphyrin Monomethylester Cyclase Accumulation and Feedback Control of Aminolevulinic Acid Biosynthesis in Tobacco. <i>Plant Physiology</i> , 2012, 160, 1923-1939.	4.8	50
82	The Potato Sucrose Transporter StSUT1 Interacts with a DRM-Associated Protein Disulfide Isomerase. <i>Molecular Plant</i> , 2012, 5, 43-62.	8.3	39
83	Post-translational control of tetrapyrrole biosynthesis in plants, algae, and cyanobacteria. <i>Journal of Experimental Botany</i> , 2012, 63, 1675-1687.	4.8	116
84	Establishment of a Photoautotrophic Cell Suspension Culture of Arabidopsis thaliana for Photosynthetic, Metabolic, and Signaling Studies. <i>Molecular Plant</i> , 2012, 5, 524-527.	8.3	20
85	Studies on Differential Nuclear Translocation Mechanism and Assembly of the Three Subunits of the Arabidopsis thaliana Transcription Factor NF-Y. <i>Molecular Plant</i> , 2012, 5, 876-888.	8.3	105
86	Elena Yaronskaya (10.05.1955–24.09.2011). <i>Photosynthesis Research</i> , 2012, 111, 259-260.	2.9	0
87	Deficiency in riboflavin biosynthesis affects tetrapyrrole biosynthesis in etiolated Arabidopsis tissue. <i>Plant Molecular Biology</i> , 2012, 78, 77-93.	3.9	32
88	Photosystem II Supercomplex Remodeling Serves as an Entry Mechanism for State Transitions in Arabidopsis. <i>Plant Cell</i> , 2011, 23, 2964-2977.	6.6	88
89	Overexpression of HEMA1 encoding glutamyl-tRNA reductase. <i>Journal of Plant Physiology</i> , 2011, 168, 1372-1379.	3.5	33
90	Comparative functional analysis of two hypothetical chloroplast open reading frames (ycf) involved in chlorophyll biosynthesis from Synechocystis sp. PCC6803 and plants. <i>Journal of Plant Physiology</i> , 2011, 168, 1380-1386.	3.5	12

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91	Photochemical processes, carbon assimilation and RNA accumulation of sucrose transporter genes in tomato arbuscular mycorrhiza. <i>Journal of Plant Physiology</i> , 2011, 168, 1256-1263.	3.5	144
92	Functions of the water soluble chlorophyll-binding protein in plants. <i>Journal of Plant Physiology</i> , 2011, 168, 1444-1451.	3.5	26
93	Alleviation of ultraviolet-C-induced oxidative damage through overexpression of cytosolic ascorbate peroxidase. <i>Biologia (Poland)</i> , 2011, 66, 1052-1059.	1.5	34
94	An <i>Arabidopsis</i> GluTR Binding Protein Mediates Spatial Separation of 5-Aminolevulinic Acid Synthesis in Chloroplasts. <i>Plant Cell</i> , 2011, 23, 4476-4491.	6.6	96
95	Tomato Fruit Photosynthesis Is Seemingly Unimportant in Primary Metabolism and Ripening But Plays a Considerable Role in Seed Development. <i>Plant Physiology</i> , 2011, 157, 1650-1663.	4.8	150
96	Methods for Analysis of Photosynthetic Pigments and Steady-State Levels of Intermediates of Tetrapyrrole Biosynthesis. <i>Methods in Molecular Biology</i> , 2011, 775, 357-385.	0.9	32
97	Chlorophyll-deficient mutants of <i>Chlamydomonas reinhardtii</i> that accumulate magnesium protoporphyrin IX. <i>Plant Molecular Biology</i> , 2010, 72, 643-658.	3.9	34
98	De-regulation of abscisic acid contents causes abnormal endosperm development in the barley mutant seg8. <i>Plant Journal</i> , 2010, 64, 589-603.	5.7	59
99	LIL3, a light-harvesting-like protein, plays an essential role in chlorophyll and tocopherol biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16721-16725.	7.1	98
100	Mg Protoporphyrin Monomethylester Cyclase Deficiency and Effects on Tetrapyrrole Metabolism in Different Light Conditions. <i>Plant and Cell Physiology</i> , 2010, 51, 1229-1241.	3.1	44
101	The cell biology of tetrapyrroles: a life and death struggle. <i>Trends in Plant Science</i> , 2010, 15, 488-498.	8.8	287
102	Recycling of Solanum Sucrose Transporters Expressed in Yeast, Tobacco, and in Mature Phloem Sieve Elements. <i>Molecular Plant</i> , 2010, 3, 1064-1074.	8.3	35
103	Rapid Dark Repression of 5-Aminolevulinic Acid Synthesis in Green Barley Leaves. <i>Plant and Cell Physiology</i> , 2010, 51, 670-681.	3.1	68
104	Chapter 3 Control of the Metabolic Flow in Tetrapyrrole Biosynthesis: Regulation of Expression and Activity of Enzymes in the Mg Branch of Tetrapyrrole Biosynthesis. <i>Advances in Photosynthesis and Respiration</i> , 2010, , 39-54.	1.0	3
105	GUN4 Is Required for Posttranslational Control of Plant Tetrapyrrole Biosynthesis. <i>Molecular Plant</i> , 2009, 2, 1198-1210.	8.3	88
106	Silencing of a plant gene by transcriptional interference. <i>Nucleic Acids Research</i> , 2009, 37, 3739-3746.	14.5	18
107	Differential requirement of two homologous proteins encoded by sll1214 and sll1874 for the reaction of Mg protoporphyrin monomethylester oxidative cyclase under aerobic and micro-oxic growth conditions. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 1458-1467.	1.0	34
108	A novel insight into the regulation of light-independent chlorophyll biosynthesis in <i>Larix decidua</i> and <i>Picea abies</i> seedlings. <i>Planta</i> , 2009, 230, 165-176.	3.2	24

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109	Expression of chlorophyll synthase is also involved in feedback-control of chlorophyll biosynthesis. <i>Plant Molecular Biology</i> , 2009, 71, 425-436.	3.9	78
110	Intra- and interspecific differences of 10 barley and 10 tomato cultivars in response to short-time UV-B radiation: A study analysing thermoluminescence, fluorescence, gas-exchange and biochemical parameters. <i>Environmental Pollution</i> , 2009, 157, 1603-1612.	7.5	10
111	Toxic tetrapyrrole accumulation in protoporphyrinogen IX oxidase-overexpressing transgenic rice plants. <i>Plant Molecular Biology</i> , 2008, 67, 535-546.	3.9	53
112	Cytokinin deficiency causes distinct changes of sink and source parameters in tobacco shoots and roots. <i>Journal of Experimental Botany</i> , 2008, 59, 2659-2672.	4.8	150
113	Sucrose Transporter StSUT4 from Potato Affects Flowering, Tuberization, and Shade Avoidance Response. <i>Plant Physiology</i> , 2008, 146, 323-324.	4.8	202
114	Dimerization and endocytosis of the sucrose transporter StSUT1 in mature sieve elements. <i>Plant Signaling and Behavior</i> , 2008, 3, 1136-1137.	2.4	21
115	Importance of the Cyanobacterial Gun4 Protein for Chlorophyll Metabolism and Assembly of Photosynthetic Complexes. <i>Journal of Biological Chemistry</i> , 2008, 283, 25794-25802.	3.4	77
116	Transport and Sorting of the <i>Solanum tuberosum</i> Sucrose Transporter SUT1 Is Affected by Posttranslational Modification. <i>Plant Cell</i> , 2008, 20, 2497-2513.	6.6	83
117	Heme, a Plastid-Derived Regulator of Nuclear Gene Expression in <i>Chlamydomonas</i> . <i>Plant Cell</i> , 2008, 20, 552-567.	6.6	105
118	Regulation of lutein biosynthesis and prolamellar body formation in <i>Arabidopsis</i> . <i>Functional Plant Biology</i> , 2007, 34, 663.	2.1	59
119	Limitation of nocturnal import of ATP into <i>Arabidopsis</i> chloroplasts leads to photooxidative damage. <i>Plant Journal</i> , 2007, 50, 293-304.	5.7	80
120	The light stress-induced protein ELIP2 is a regulator of chlorophyll synthesis in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2007, 50, 795-809.	5.7	128
121	A mitochondrial protein homologous to the mammalian peripheral-type benzodiazepine receptor is essential for stress adaptation in plants. <i>Plant Journal</i> , 2007, 51, 1004-1018.	5.7	83
122	Influence of a cyanobacterial crude extract containing microcystin-LR on the physiology and antioxidative defence systems of different spinach variants. <i>New Phytologist</i> , 2007, 175, 482-489.	7.3	91
123	HEMA RNAi silencing reveals a control mechanism of ALA biosynthesis on Mg chelatase and Fe chelatase. <i>Plant Molecular Biology</i> , 2007, 64, 733-742.	3.9	38
124	The analysis of the Chl1 and Chl2 genes using acifluorfen-resistant mutant of <i>Arabidopsis thaliana</i> . <i>Planta</i> , 2007, 225, 935-943.	3.2	26
125	The Pathway from 5-Aminolevulinic Acid to Protochlorophyllide and Protoheme. , 2006, , 173-188.		10
126	Involvement of Tetrapyrroles in Cellular Regulation. , 2006, , 223-235.		3

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127	Reduced activity of plastid protoporphyrinogen oxidase causes attenuated photodynamic damage during high-light compared to low-light exposure. <i>Plant Journal</i> , 2006, 48, 499-510.	5.7	41
128	Light and dark modulation of chlorophyll biosynthetic genes in response to temperature. <i>Planta</i> , 2006, 224, 692-699.	3.2	107
129	Cytokinin effects on tetrapyrrole biosynthesis and photosynthetic activity in barley seedlings. <i>Planta</i> , 2006, 224, 700-709.	3.2	115
130	An Arabidopsis mutant that is resistant to the protoporphyrinogen oxidase inhibitor acifluorfen shows regulatory changes in tetrapyrrole biosynthesis. <i>Molecular Genetics and Genomics</i> , 2005, 273, 311-318.	2.1	31
131	Cloning and expression of the tobacco CHLM sequence encoding Mg protoporphyrin IX methyltransferase and its interaction with Mg chelatase. <i>Plant Molecular Biology</i> , 2005, 57, 679-691.	3.9	47
132	A Novel Arabidopsis thaliana Protein is a Functional Peripheral-Type Benzodiazepine Receptor. <i>Plant and Cell Physiology</i> , 2004, 45, 723-733.	3.1	59
133	Tobacco Mg protoporphyrin IX methyltransferase is involved in inverse activation of Mg porphyrin and protoheme synthesis. <i>Plant Journal</i> , 2004, 41, 282-290.	5.7	113
134	Recent advances in chlorophyll biosynthesis and breakdown in higher plants. <i>Plant Molecular Biology</i> , 2004, 56, 1-14.	3.9	318
135	Thegun4gene is essential for cyanobacterial porphyrin metabolism. <i>FEBS Letters</i> , 2004, 571, 119-123.	2.8	55
136	Metabolic control of the tetrapyrrole biosynthetic pathway for porphyrin distribution in the barley mutant albostrians. <i>Plant Journal</i> , 2003, 35, 512-522.	5.7	56
137	Regulatory Mechanisms of Eukaryotic Tetrapyrrole Biosynthesis. , 2003, , 1-32.		7
138	Regulatory network of tetrapyrrole biosynthesis - studies of intracellular signalling involved in metabolic and developmental control of plastids. <i>Planta</i> , 2001, 213, 667-681.	3.2	141
139	Impaired expression of the plastidic ferrochelatase by antisense RNA synthesis leads to a necrotic phenotype of transformed tobacco plants. <i>Plant Journal</i> , 2001, 28, 41-50.	5.7	76
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142	Role of Magnesium Chelatase Activity in the Early Steps of the Tetrapyrrole Biosynthetic Pathway. <i>Plant Physiology</i> , 2000, 122, 1161-1170.	4.8	168
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144	Expression of Uroporphyrinogen Decarboxylase or Coproporphyrinogen Oxidase Antisense RNA in Tobacco Induces Pathogen Defense Responses Conferring Increased Resistance to Tobacco Mosaic Virus. <i>Journal of Biological Chemistry</i> , 1999, 274, 4231-4238.	3.4	94

#	ARTICLE	IF	CITATIONS
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146	Expression studies in tetrapyrrole biosynthesis: inverse maxima of magnesium chelatase and ferrochelatase activity during cyclic photoperiods. <i>Planta</i> , 1999, 208, 264-273.	3.2	140
147	Transient-State Kinetic Analysis of Synechococcus Glutamate 1-Semialdehyde Aminotransferase. <i>Biochemistry</i> , 1998, 37, 319-329.	2.5	16
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155	Crystallization and Preliminary X-ray Analysis of Wild-type and K272A Mutant Glutamate 1-Semialdehyde Aminotransferase from <i>Synechococcus</i> . <i>Journal of Molecular Biology</i> , 1994, 242, 591-594.	4.2	14
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157	The early light-inducible proteins of Barley o. Characterization of two families of 2-h-specific nuclear-coded chloroplast proteins. <i>FEBS Journal</i> , 1987, 167, 493-499.	0.2	97