

Tatsuru Masuda

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

138 papers	7,920 citations	45 h-index	87 g-index
142 ext. papers	9,182 ext. citations	5.1 avg, IF	5.71 L-index

#	Paper	IF	Citations
138	Impacts of phosphatidylglycerol on plastid gene expression and light induction of nuclear photosynthetic genes.. <i>Journal of Experimental Botany</i> , 2022 ,	7	1
137	Crucial importance of length of fatty-acyl chains bound to the sn-2 position of phosphatidylglycerol for growth and photosynthesis of <i>Synechocystis</i> sp. PCC 6803.. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2022 , 159158	5	1
136	Persulfide-Responsive Transcription Factor SqrR Regulates Gene Transfer and Biofilm Formation via the Metabolic Modulation of Cyclic di-GMP in <i>Rhodobacter capsulatus</i> . <i>Microorganisms</i> , 2022 , 10, 908	4.9	0
135	Plastid Anionic Lipids Are Essential for the Development of Both Photosynthetic and Non-Photosynthetic Organs in. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
134	A START domain-containing protein is involved in the incorporation of ER-derived fatty acids into chloroplast glycolipids in <i>Marchantia polymorpha</i> . <i>Biochemical and Biophysical Research Communications</i> , 2021 , 534, 436-441	3.4	0
133	Repressor Activity of SqrR, a Master Regulator of Persulfide-Responsive Genes, Is Regulated by Heme Coordination. <i>Plant and Cell Physiology</i> , 2021 , 62, 100-110	4.9	2
132	The Leafless Orchid <i>Cymbidium macrorhizon</i> Performs Photosynthesis in the Pericarp during the Fruiting Season. <i>Plant and Cell Physiology</i> , 2021 , 62, 472-481	4.9	3
131	The Role of Tetrapyrrole- and GUN1-Dependent Signaling on Chloroplast Biogenesis. <i>Plants</i> , 2021 , 10,	4.5	2
130	Proteomic analysis of haem-binding protein from and. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020 , 375, 20190488	5.8	7
129	Transcriptional control for the chlorophyll metabolism. <i>Advances in Botanical Research</i> , 2019 , 133-161	2.2	3
128	Galactolipids Are Essential for Internal Membrane Transformation during Etioplast-to-Chloroplast Differentiation. <i>Plant and Cell Physiology</i> , 2019 , 60, 1224-1238	4.9	14
127	Site-directed mutagenesis of two amino acid residues in cytochrome b ₆ subunit that interact with a phosphatidylglycerol molecule (PG772) induces quinone-dependent inhibition of photosystem II activity. <i>Photosynthesis Research</i> , 2019 , 139, 267-279	3.7	5
126	Role of Galactolipids in Plastid Differentiation Before and After Light Exposure. <i>Plants</i> , 2019 , 8,	4.5	11
125	The retrograde signaling protein GUN1 regulates tetrapyrrole biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 24900-24906	11.5	16
124	Phosphatidylglycerophosphate phosphatase is required for root growth in <i>Arabidopsis</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018 , 1863, 563-575	5	7
123	Revisiting the Algal "Chloroplast Lipid Droplet": The Absence of an Entity That Is Unlikely to Exist. <i>Plant Physiology</i> , 2018 , 176, 1519-1530	6.6	33
122	Genetic Analysis of Chloroplast Biogenesis, and Function and Mutant Collections. <i>Methods in Molecular Biology</i> , 2018 , 1829, 341-365	1.4	

121	Thylakoid membrane lipid sulfoquinovosyl-diacylglycerol (SQDG) is required for full functioning of photosystem II in. <i>Journal of Biological Chemistry</i> , 2018 , 293, 14786-14797	5.4	19
120	High myristic acid content in the cyanobacterium <i>Cyanothece</i> sp. PCC 8801 results from substrate specificity of lysophosphatidic acid acyltransferase. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018 , 1863, 939-947	5	4
119	Digalactosyldiacylglycerol Is Essential for Organization of the Membrane Structure in Etioplasts. <i>Plant Physiology</i> , 2018 , 177, 1487-1497	6.6	20
118	Shoot Removal Induces Chloroplast Development in Roots via Cytokinin Signaling. <i>Plant Physiology</i> , 2017 , 173, 2340-2355	6.6	31
117	Monogalactosyldiacylglycerol Facilitates Synthesis of Photoactive Protochlorophyllide in Etioplasts. <i>Plant Physiology</i> , 2017 , 174, 2183-2198	6.6	20
116	Cardiolipin Supports Respiratory Enzymes in Plants in Different Ways. <i>Frontiers in Plant Science</i> , 2017 , 8, 72	6.2	8
115	Specific Distribution of Phosphatidylglycerol to Photosystem Complexes in the Thylakoid Membrane. <i>Frontiers in Plant Science</i> , 2017 , 8, 1991	6.2	21
114	Arabidopsis phosphatidylglycerophosphate phosphatase 1 involved in phosphatidylglycerol biosynthesis and photosynthetic function. <i>Plant Journal</i> , 2016 , 88, 1022-1037	6.9	18
113	Sulfoquinovosyldiacylglycerol has an Essential Role in <i>Thermosynechococcus elongatus</i> BP-1 Under Phosphate-Deficient Conditions. <i>Plant and Cell Physiology</i> , 2016 , 57, 2461-2471	4.9	13
112	Multiple Impacts of Loss of Plastidic Phosphatidylglycerol Biosynthesis on Photosynthesis during Seedling Growth of Arabidopsis. <i>Frontiers in Plant Science</i> , 2016 , 7, 336	6.2	20
111	Allocation of Heme Is Differentially Regulated by Ferrochelatase Isoforms in Arabidopsis Cells. <i>Frontiers in Plant Science</i> , 2016 , 7, 1326	6.2	23
110	Transcriptional Regulation of Tetrapyrrole Biosynthesis in. <i>Frontiers in Plant Science</i> , 2016 , 7, 1811	6.2	52
109	Roles of Lipids in Photosynthesis. <i>Sub-Cellular Biochemistry</i> , 2016 , 86, 21-49	5.5	38
108	Role of Lipids in Chloroplast Biogenesis. <i>Sub-Cellular Biochemistry</i> , 2016 , 86, 103-25	5.5	18
107	In vivo recruitment analysis and a mutant strain without any group 2 σ -factor reveal roles of different σ -factors in cyanobacteria. <i>Molecular Microbiology</i> , 2016 , 99, 43-54	4.1	20
106	Isolation and characterization of a phosphatidylglycerophosphate phosphatase1, PGPP1, in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology and Biochemistry</i> , 2015 , 92, 56-61	5.4	11
105	Expression Analysis of Transcription Factors Involved in Chloroplast Differentiation. <i>Procedia Chemistry</i> , 2015 , 14, 146-151		0
104	Site-directed mutagenesis of amino acid residues of D1 protein interacting with phosphatidylglycerol affects the function of plastoquinone QB in photosystem II. <i>Photosynthesis Research</i> , 2015 , 126, 385-97	3.7	17

103	Phosphatidylinositol 4-phosphate negatively regulates chloroplast division in Arabidopsis. <i>Plant Cell</i> , 2015 , 27, 663-74	11.6	18
102	Characterization of Chlamydomonas reinhardtii phosphatidylglycerophosphate synthase in Synechocystis sp. PCC 6803. <i>Frontiers in Microbiology</i> , 2015 , 6, 842	5.7	8
101	Specific role of phosphatidylglycerol and functional overlaps with other thylakoid lipids in Arabidopsis chloroplast biogenesis. <i>Plant Cell Reports</i> , 2015 , 34, 631-42	5.1	39
100	Functional Specificity of Cardiolipin Synthase Revealed by the Identification of a Cardiolipin Synthase CrCLS1 in Chlamydomonas reinhardtii. <i>Frontiers in Microbiology</i> , 2015 , 6, 1542	5.7	4
99	Cyanobacterial monogalactosyldiacylglycerol-synthesis pathway is involved in normal unsaturation of galactolipids and low-temperature adaptation of Synechocystis sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014 , 1841, 475-83	5	17
98	Oxidative stress and photoinhibition can be separated in the cyanobacterium Synechocystis sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, 217-25	4.6	44
97	Klebsormidium flaccidum genome reveals primary factors for plant terrestrial adaptation. <i>Nature Communications</i> , 2014 , 5, 3978	17.4	362
96	Molecular phylogeny and intricate evolutionary history of the three isofunctional enzymes involved in the oxidation of protoporphyrinogen IX. <i>Genome Biology and Evolution</i> , 2014 , 6, 2141-55	3.9	37
95	Phosphatidylglycerol biosynthesis is required for the development of embryos and normal membrane structures of chloroplasts and mitochondria in Arabidopsis. <i>FEBS Letters</i> , 2014 , 588, 1680-5	3.8	34
94	Transcriptional regulation of thylakoid galactolipid biosynthesis coordinated with chlorophyll biosynthesis during the development of chloroplasts in Arabidopsis. <i>Frontiers in Plant Science</i> , 2014 , 5, 272	6.2	33
93	Inducible knockdown of MONOGALACTOSYLDIACYLGLYCEROL SYNTHASE1 reveals roles of galactolipids in organelle differentiation in Arabidopsis cotyledons. <i>Plant Physiology</i> , 2014 , 166, 1436-49	6.6	42
92	Identification of a novel type of polyunsaturated fatty acid synthase involved in arachidonic acid biosynthesis. <i>FEBS Letters</i> , 2014 , 588, 4032-6	3.8	18
91	Role of galactolipid biosynthesis in coordinated development of photosynthetic complexes and thylakoid membranes during chloroplast biogenesis in Arabidopsis. <i>Plant Journal</i> , 2013 , 73, 250-61	6.9	61
90	Acyl-lipid metabolism. <i>The Arabidopsis Book</i> , 2013 , 11, e0161	3	590
89	Photosynthesis of root chloroplasts developed in Arabidopsis lines overexpressing GOLDEN2-LIKE transcription factors. <i>Plant and Cell Physiology</i> , 2013 , 54, 1365-77	4.9	54
88	Spatial and Temporal Regulation of Chloroplast Development in Arabidopsis Root. <i>Advanced Topics in Science and Technology in China</i> , 2013 , 389-393	0.2	1
87	The role of lipids in photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 194-208	4.6	142
86	Deficiency in riboflavin biosynthesis affects tetrapyrrole biosynthesis in etiolated Arabidopsis tissue. <i>Plant Molecular Biology</i> , 2012 , 78, 77-93	4.6	21

85	Regulation of root greening by light and auxin/cytokinin signaling in Arabidopsis. <i>Plant Cell</i> , 2012 , 24, 1081-95	11.6	125
84	Role of the G-box element in regulation of chlorophyll biosynthesis in Arabidopsis roots. <i>Plant Signaling and Behavior</i> , 2012 , 7, 922-6	2.5	25
83	Evaluation of unbound free heme in plant cells by differential acetone extraction. <i>Plant and Cell Physiology</i> , 2012 , 53, 1344-54	4.9	47
82	Disrupting the bimolecular binding of the haem-binding protein 5 (AtHBP5) to haem oxygenase 1 (HY1) leads to oxidative stress in Arabidopsis. <i>Journal of Experimental Botany</i> , 2012 , 63, 5967-78	7	20
81	Tetrapyrrole Metabolism in Arabidopsis thaliana. <i>The Arabidopsis Book</i> , 2011 , 9, e0145	3	150
80	The cell biology of tetrapyrroles: a life and death struggle. <i>Trends in Plant Science</i> , 2010 , 15, 488-98	13.1	218
79	Acyl-lipid metabolism. <i>The Arabidopsis Book</i> , 2010 , 8, e0133	3	249
78	Genomic structure of an economically important cyanobacterium, Arthrospira (Spirulina) platensis NIES-39. <i>DNA Research</i> , 2010 , 17, 85-103	4.5	88
77	High throughput heme assay by detection of chemiluminescence of reconstituted horseradish peroxidase. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2009 , 12, 532-5	1.3	16
76	Type-B monogalactosyldiacylglycerol synthases are involved in phosphate starvation-induced lipid remodeling, and are crucial for low-phosphate adaptation. <i>Plant Journal</i> , 2009 , 57, 322-31	6.9	133
75	Prolamellar bodies formed by cyanobacterial protochlorophyllide oxidoreductase in Arabidopsis. <i>Plant Journal</i> , 2009 , 58, 952-60	6.9	11
74	Regulation and evolution of chlorophyll metabolism. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 1131-49	4.2	169
73	Functional analysis of Arabidopsis thaliana isoforms of the Mg-chelatase CHL1 subunit. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 1188-95	4.2	53
72	Characterization of cytosolic tetrapyrrole-binding proteins in Arabidopsis thaliana. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 1216-24	4.2	32
71	The steady-state level of Mg-protoporphyrin IX is not a determinant of plastid-to-nucleus signaling in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15184-9	11.5	206
70	Recent overview of the Mg branch of the tetrapyrrole biosynthesis leading to chlorophylls. <i>Photosynthesis Research</i> , 2008 , 96, 121-43	3.7	115
69	Professor Ken-ichiro Takamiya (1943–2005): gentleman and a scientist, a superb experimentalist and a visionary. <i>Photosynthesis Research</i> , 2008 , 97, 115-119	3.7	1
68	The essential role of phosphatidylglycerol in photosynthesis. <i>Photosynthesis Research</i> , 2007 , 92, 205-15	3.7	86

67	The CHL11 subunit of Arabidopsis thaliana magnesium chelatase is a target protein of the chloroplast thioredoxin. <i>Journal of Biological Chemistry</i> , 2007 , 282, 19282-91	5.4	113
66	Induction of isoforms of tetrapyrrole biosynthetic enzymes, AtHEMA2 and AtFC1, under stress conditions and their physiological functions in Arabidopsis. <i>Plant Physiology</i> , 2007 , 144, 1039-51	6.6	52
65	Digalactosyldiacylglycerol is required for stabilization of the oxygen-evolving complex in photosystem II. <i>Plant Physiology</i> , 2007 , 145, 1361-70	6.6	111
64	Lipids in oxygen-evolving photosystem II complexes of cyanobacteria and higher plants. <i>Journal of Biochemistry</i> , 2006 , 140, 201-9	3.1	111
63	Comparative genomic analysis revealed a gene for monoglucosyldiacylglycerol synthase, an enzyme for photosynthetic membrane lipid synthesis in cyanobacteria. <i>Plant Physiology</i> , 2006 , 141, 1120-7	6.6	75
62	Membrane lipid alteration during phosphate starvation is regulated by phosphate signaling and auxin/cytokinin cross-talk. <i>Plant Journal</i> , 2006 , 47, 238-48	6.9	120
61	Chemiluminescent-based method for heme determination by reconstitution with horseradish peroxidase apo-enzyme. <i>Analytical Biochemistry</i> , 2006 , 355, 307-9	3.1	35
60	A novel phosphatidylcholine-hydrolyzing phospholipase C induced by phosphate starvation in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2005 , 280, 7469-76	5.4	190
59	Coordinated activation of metabolic pathways for antioxidants and defence compounds by jasmonates and their roles in stress tolerance in Arabidopsis. <i>Plant Journal</i> , 2005 , 44, 653-68	6.9	292
58	Identification of a novel cis-element exhibiting cytokinin-dependent protein binding in vitro in the 5' region of NADPH-protochlorophyllide oxidoreductase gene in cucumber. <i>Plant Molecular Biology</i> , 2005 , 59, 631-45	4.6	44
57	12-oxo-phytodienoic acid triggers expression of a distinct set of genes and plays a role in wound-induced gene expression in Arabidopsis. <i>Plant Physiology</i> , 2005 , 139, 1268-83	6.6	387
56	ARC3, a chloroplast division factor, is a chimera of prokaryotic FtsZ and part of eukaryotic phosphatidylinositol-4-phosphate 5-kinase. <i>Plant and Cell Physiology</i> , 2004 , 45, 960-7	4.9	115
55	Gene expression profiling of the tetrapyrrole metabolic pathway in Arabidopsis with a mini-array system. <i>Plant Physiology</i> , 2004 , 135, 2379-91	6.6	116
54	Distinctive features of plant organs characterized by global analysis of gene expression in Arabidopsis. <i>DNA Research</i> , 2004 , 11, 11-25	4.5	23
53	Novel Insights into the Enzymology, Regulation and Physiological Functions of Light-dependent Protochlorophyllide Oxidoreductase in Angiosperms. <i>Photosynthesis Research</i> , 2004 , 81, 1-29	3.7	133
52	Light and cytokinin play a co-operative role in MGDG synthesis in greening cucumber cotyledons. <i>Plant and Cell Physiology</i> , 2003 , 44, 844-55	4.9	53
51	Chlorophyll antenna size adjustments by irradiance in <i>Dunaliella salina</i> involve coordinate regulation of chlorophyll a oxygenase (CAO) and Lhcb gene expression. <i>Plant Molecular Biology</i> , 2003 , 51, 757-71	4.6	93
50	Digalactosyldiacylglycerol is a major glycolipid in floral organs of <i>Petunia hybrida</i> . <i>Lipids</i> , 2003 , 38, 1107-12	5.0	50

49	Subcellular localization of two types of ferrochelatase in cucumber. <i>Planta</i> , 2003 , 217, 602-9	4.7	55
48	Chlorophyllase as a serine hydrolase: identification of a putative catalytic triad. <i>Plant and Cell Physiology</i> , 2003 , 44, 96-101	4.9	44
47	Functional analysis of isoforms of NADPH: protochlorophyllide oxidoreductase (POR), PORB and PORC, in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2003 , 44, 963-74	4.9	96
46	Identification of two differentially regulated isoforms of protochlorophyllide oxidoreductase (POR) from tobacco revealed a wide variety of light- and development-dependent regulations of POR gene expression among angiosperms. <i>Photosynthesis Research</i> , 2002 , 74, 165-72	3.7	30
45	Two types of ferrochelatase in photosynthetic and nonphotosynthetic tissues of cucumber: their difference in phylogeny, gene expression, and localization. <i>Journal of Biological Chemistry</i> , 2002 , 277, 4731-7	5.4	68
44	Biosynthesis and distribution of chlorophyll among the photosystems during recovery of the green alga <i>Dunaliella salina</i> from irradiance stress. <i>Plant Physiology</i> , 2002 , 128, 603-14	6.6	59
43	Cytokinin-Induced Transcriptional Activation of NADPH:Protochlorophyllide Oxidoreductase Gene in Cucumber. <i>Journal of Plant Research</i> , 2001 , 114, 1-7	2.6	11
42	Two types of MGDG synthase genes, found widely in both 16:3 and 18:3 plants, differentially mediate galactolipid syntheses in photosynthetic and nonphotosynthetic tissues in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 10960-5	11.5	262
41	Monitoring of methyl jasmonate-responsive genes in <i>Arabidopsis</i> by cDNA macroarray: self-activation of jasmonic acid biosynthesis and crosstalk with other phytohormone signaling pathways. <i>DNA Research</i> , 2001 , 8, 153-61	4.5	222
40	Isolation of the protease component of maize cysteine protease-cystatin complex: release of cystatin is not crucial for the activation of the cysteine protease. <i>Plant and Cell Physiology</i> , 2001 , 42, 710-6	4.9	17
39	Accumulation of plant galactolipid affects cell morphology of <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 2001 , 286, 114-8	3.4	15
38	Two distinct isopentenyl diphosphate isomerases in cytosol and plastid are differentially induced by environmental stresses in tobacco. <i>FEBS Letters</i> , 2001 , 506, 61-4	3.8	48
37	NADPH-protochlorophyllide oxidoreductase in cucumber is encoded by a single gene and its expression is transcriptionally enhanced by illumination. <i>Photosynthesis Research</i> , 2000 , 64, 147-54	3.7	36
36	A cysteine protease from maize isolated in a complex with cystatin. <i>Plant and Cell Physiology</i> , 2000 , 41, 185-91	4.9	37
35	Expression of NADPH-Protochlorophyllide oxidoreductase gene in fully green leaves of cucumber. <i>Plant and Cell Physiology</i> , 2000 , 41, 226-9	4.9	30
34	Overexpression, enzymatic properties and tissue localization of a ferrochelatase of cucumber. <i>Plant and Cell Physiology</i> , 2000 , 41, 192-9	4.9	17
33	Identification and light-induced expression of a novel gene of NADPH-protochlorophyllide oxidoreductase isoform in <i>Arabidopsis thaliana</i> . <i>FEBS Letters</i> , 2000 , 474, 133-6	3.8	115
32	Purification and Some Properties of Pheophorbide in <i>Chenopodium album</i> . <i>Plant and Cell Physiology</i> , 1999 , 40, 104-108	4.9	14

31	Cloning of chlorophyllase, the key enzyme in chlorophyll degradation: finding of a lipase motif and the induction by methyl jasmonate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 15362-7	11.5	249
30	Magnesium insertion by magnesium chelatase in the biosynthesis of zinc bacteriochlorophyll a in an aerobic acidophilic bacterium <i>Acidiphilium rubrum</i> . <i>Journal of Biological Chemistry</i> , 1999 , 274, 33594-600	5.4	34
29	Photosynthetic regulatory gene cluster in an aerobic photosynthetic bacterium, <i>Roseobacter denitrificans</i> . <i>Journal of General and Applied Microbiology</i> , 1999 , 45, 129-134	1.5	2
28	Cloning and expression of the soybean chlH gene encoding a subunit of Mg-chelatase and localization of the Mg ²⁺ concentration-dependent ChlH protein within the chloroplast. <i>Plant and Cell Physiology</i> , 1998 , 39, 275-84	4.9	76
27	Purification of a novel type of SDS-dependent protease in maize using a monoclonal antibody. <i>Plant and Cell Physiology</i> , 1998 , 39, 106-14	4.9	20
26	Growth, pigmentation, and expression of the puf and puc operons in a light-responding-repressor (SPB)-disrupted <i>Rhodobacter sphaeroides</i> . <i>Plant and Cell Physiology</i> , 1998 , 39, 411-7	4.9	13
25	Properties of ORF5-Disrupted and -Overexpressed <i>Rhodobacter Sphaeroides</i> Mutants 1998 , 2893-2896		
24	Analysis of Bacteriochlorophylls in Zinc-Containing Bacteriochlorophyll Producing Acidophilic Bacterium, <i>Acidiphilium Rubrum</i> , by High-Performance Liquid Chromatography 1998 , 3233-3236		
23	Nucleotide sequence and transcriptional analysis of the flanking region of the gene (spb) for the trans-acting factor that controls light-mediated expression of the puf operon in <i>Rhodobacter sphaeroides</i> . <i>Plant and Cell Physiology</i> , 1997 , 38, 558-67	4.9	5
22	Purification and Characterization of Two Isozymes of Chlorophyllase from Mature Leaves of <i>Chenopodium album</i> . <i>Plant and Cell Physiology</i> , 1997 , 38, 1026-1031	4.9	55
21	Cloning of the gene for monogalactosyldiacylglycerol synthase and its evolutionary origin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 333-7	11.5	150
20	Distinct pathways for jasmonate- and elicitor-induced expressions of a cytochrome P450 gene in soybean suspension-cultured cells. <i>Physiologia Plantarum</i> , 1997 , 100, 647-652	4.6	9
19	cDNA Cloning of Cucumber Monogalactosyl Diacylglycerol Synthase and the Expression of the Active Enzyme in <i>Escherichia Coli</i> 1997 , 354-356		
18	Enzymatic Activities for the Synthesis of Chlorophyll in Pigment-Deficient Variegated Leaves of <i>Euonymus japonicus</i> . <i>Plant and Cell Physiology</i> , 1996 , 37, 481-487	4.9	8
17	Expression of the puf operon in an aerobic photosynthetic bacterium, <i>Roseobacter denitrificans</i> . <i>Plant and Cell Physiology</i> , 1996 , 37, 153-9	4.9	27
16	Induction of a novel cytochrome P450 (CYP93 family) by methyl jasmonate in soybean suspension-cultured cells. <i>FEBS Letters</i> , 1996 , 383, 83-6	3.8	27
15	A transcription factor with a leucine-zipper motif involved in light-dependent inhibition of expression of the puf operon in the photosynthetic bacterium <i>Rhodobacter sphaeroides</i> . <i>Plant and Cell Physiology</i> , 1996 , 37, 515-22	4.9	26
14	Light-enhanced gene expression of NADPH-protochlorophyllide oxidoreductase in cucumber. <i>Biochemical and Biophysical Research Communications</i> , 1995 , 210, 310-6	3.4	38

13	Cloning, subcellular localization and expression of CHL1, a subunit of magnesium-chelatase in soybean. <i>Biochemical and Biophysical Research Communications</i> , 1995 , 215, 422-8	3.4	32
12	Breakdown of Chlorophylls by Soluble Proteins Extracted from Leaves of <i>Chenopodium album</i> . <i>Journal of Plant Physiology</i> , 1995 , 145, 416-421	3.6	14
11	A Close Relationship between Increases in Galactosyltransferase Activity and the Accumulation of Galactolipids during Plastid Development in Cucumber Seedlings. <i>Plant and Cell Physiology</i> , 1995 , 36, 1115-1120	4.9	9
10	UDP-Galactose: Diacylglycerol Galactosyltransferase in Cucumber Seedlings: Purification of the Enzyme and the Activation by Phosphatidic Acid 1995 , 152-155		15
9	Purification and Some Properties of an SDS-Activated Protease in Zea Mays 1995 , 4173-4176		
8	Characterization and Some Properties of Pheophorbidease from <i>Chenopodium Album</i> 1995 , 2921-2924		
7	A putative transcription factor binding to the upstream region of the puf operon in <i>Rhodospirillum rubrum</i> . <i>FEBS Letters</i> , 1993 , 328, 41-4	3.8	10
6	Accumulation of protoporphyrin IX in light-sensitive mutants of <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1992 , 310, 246-8	3.8	23
5	Diphenyl ether herbicide-decreased heme contents stimulate 5-aminolevulinic acid synthesis. <i>Pesticide Biochemistry and Physiology</i> , 1990 , 36, 106-114	4.9	12
4	Mechanism of herbicidal action and soybean selectivity of AKH-7088, a novel diphenyl ether herbicide. <i>Pesticide Biochemistry and Physiology</i> , 1990 , 37, 219-226	4.9	6
3	Action mechanism of diphenyl ether herbicides; Stimulation of 5-aminolevulinic acid-synthesizing system activities. <i>Pesticide Biochemistry and Physiology</i> , 1989 , 33, 230-238	4.9	15
2	Action Mechanism of Diphenyl Ether Herbicides. <i>Journal of Pesticide Sciences</i> , 1988 , 13, 495-499	2.7	23
1	GUN1 regulates tetrapyrrole biosynthesis		1