

Tatsuru Masuda

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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	Acyl-lipid metabolism. <i>The Arabidopsis Book</i> , 2013 , 11, e0161	3	590
137	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
136	Klebsormidium flaccidum genome reveals primary factors for plant terrestrial adaptation. <i>Nature Communications</i> , 2014 , 5, 3978	17.4	362
135	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
134	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 Arabidopsis thaliana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 10960-5	11.5	262
133	Acyl-lipid metabolism. <i>The Arabidopsis Book</i> , 2010 , 8, e0133	3	249
132	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
131	Monitoring of methyl jasmonate-responsive genes in Arabidopsis 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
130	The cell biology of tetrapyrroles: a life and death struggle. <i>Trends in Plant Science</i> , 2010 , 15, 488-98	13.1	218
129	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
128	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
127	Regulation and evolution of chlorophyll metabolism. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 1131-49	4.2	169
126	Tetrapyrrole Metabolism in Arabidopsis thaliana. <i>The Arabidopsis Book</i> , 2011 , 9, e0145	3	150
125	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
124	The role of lipids in photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 194-208	4.6	142
123	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
122	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

121	Regulation of root greening by light and auxin/cytokinin signaling in Arabidopsis. <i>Plant Cell</i> , 2012 , 24, 1081-95	11.6	125
120	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
119	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
118	Recent overview of the Mg branch of the tetrapyrrole biosynthesis leading to chlorophylls. <i>Photosynthesis Research</i> , 2008 , 96, 121-43	3.7	115
117	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
116	Identification and light-induced expression of a novel gene of NADPH-protochlorophyllide oxidoreductase isoform in Arabidopsis thaliana. <i>FEBS Letters</i> , 2000 , 474, 133-6	3.8	115
115	The CHL1 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
114	Lipids in oxygen-evolving photosystem II complexes of cyanobacteria and higher plants. <i>Journal of Biochemistry</i> , 2006 , 140, 201-9	3.1	111
113	Digalactosyldiacylglycerol is required for stabilization of the oxygen-evolving complex in photosystem II. <i>Plant Physiology</i> , 2007 , 145, 1361-70	6.6	111
112	Functional analysis of isoforms of NADPH: protochlorophyllide oxidoreductase (POR), PORB and PORC, in Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2003 , 44, 963-74	4.9	96
111	Chlorophyll antenna size adjustments by irradiance in Dunaliella salina involve coordinate regulation of chlorophyll a oxygenase (CAO) and Lhcb gene expression. <i>Plant Molecular Biology</i> , 2003 , 51, 757-71	4.6	93
110	Genomic structure of an economically important cyanobacterium, Arthrospira (Spirulina) platensis NIES-39. <i>DNA Research</i> , 2010 , 17, 85-103	4.5	88
109	The essential role of phosphatidylglycerol in photosynthesis. <i>Photosynthesis Research</i> , 2007 , 92, 205-15	3.7	86
108	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
107	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
106	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
105	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
104	Biosynthesis and distribution of chlorophyll among the photosystems during recovery of the green alga Dunaliella salina from irradiance stress. <i>Plant Physiology</i> , 2002 , 128, 603-14	6.6	59

103	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
102	Subcellular localization of two types of ferrochelatase in cucumber. <i>Planta</i> , 2003 , 217, 602-9	4.7	55
101	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
100	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
99	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
98	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
97	Transcriptional Regulation of Tetrapyrrole Biosynthesis in. <i>Frontiers in Plant Science</i> , 2016 , 7, 1811	6.2	52
96	Digalactosyldiacylglycerol is a major glycolipid in floral organs of <i>Petunia hybrida</i> . <i>Lipids</i> , 2003 , 38, 1107-12		50
95	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
94	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
93	Oxidative stress and photoinhibition can be separated in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, 217-25	4.6	44
92	Chlorophyllase as a serine hydrolase: identification of a putative catalytic triad. <i>Plant and Cell Physiology</i> , 2003 , 44, 96-101	4.9	44
91	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
90	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
89	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
88	Light-enhanced gene expression of NADPH-protochlorophyllide oxidoreductase in cucumber. <i>Biochemical and Biophysical Research Communications</i> , 1995 , 210, 310-6	3.4	38
87	Roles of Lipids in Photosynthesis. <i>Sub-Cellular Biochemistry</i> , 2016 , 86, 21-49	5.5	38
86	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

85	A cysteine protease from maize isolated in a complex with cystatin. <i>Plant and Cell Physiology</i> , 2000 , 41, 185-91	4.9	37
84	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
83	Chemiluminescent-based method for heme determination by reconstitution with horseradish peroxidase apo-enzyme. <i>Analytical Biochemistry</i> , 2006 , 355, 307-9	3.1	35
82	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
81	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, 33594-6005	4	34
80	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
79	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
78	Characterization of cytosolic tetrapyrrole-binding proteins in Arabidopsis thaliana. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 1216-24	4.2	32
77	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
76	Shoot Removal Induces Chloroplast Development in Roots via Cytokinin Signaling. <i>Plant Physiology</i> , 2017 , 173, 2340-2355	6.6	31
75	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
74	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
73	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
72	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
71	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
70	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
69	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
68	Accumulation of protoporphyrin IX in light-sensitive mutants of <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1992 , 310, 246-8	3.8	23

67	Action Mechanism of Diphenyl Ether Herbicides. <i>Journal of Pesticide Sciences</i> , 1988 , 13, 495-499	2.7	23
66	Allocation of Heme Is Differentially Regulated by Ferrochelatase Isoforms in Arabidopsis Cells. <i>Frontiers in Plant Science</i> , 2016 , 7, 1326	6.2	23
65	Deficiency in riboflavin biosynthesis affects tetrapyrrole biosynthesis in etiolated Arabidopsis tissue. <i>Plant Molecular Biology</i> , 2012 , 78, 77-93	4.6	21
64	Specific Distribution of Phosphatidylglycerol to Photosystem Complexes in the Thylakoid Membrane. <i>Frontiers in Plant Science</i> , 2017 , 8, 1991	6.2	21
63	Monogalactosyldiacylglycerol Facilitates Synthesis of Photoactive Protochlorophyllide in Etioplasts. <i>Plant Physiology</i> , 2017 , 174, 2183-2198	6.6	20
62	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
61	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
60	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
59	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
58	Digalactosyldiacylglycerol Is Essential for Organization of the Membrane Structure in Etioplasts. <i>Plant Physiology</i> , 2018 , 177, 1487-1497	6.6	20
57	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
56	Phosphatidylinositol 4-phosphate negatively regulates chloroplast division in Arabidopsis. <i>Plant Cell</i> , 2015 , 27, 663-74	11.6	18
55	Arabidopsis phosphatidylglycerophosphate phosphatase 1 involved in phosphatidylglycerol biosynthesis and photosynthetic function. <i>Plant Journal</i> , 2016 , 88, 1022-1037	6.9	18
54	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
53	Role of Lipids in Chloroplast Biogenesis. <i>Sub-Cellular Biochemistry</i> , 2016 , 86, 103-25	5.5	18
52	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
51	Cyanobacterial monogalactosyldiacylglycerol-synthesis pathway is involved in normal unsaturation of galactolipids and low-temperature adaptation of <i>Synechocystis</i> sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014 , 1841, 475-83	5	17
50	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

49	Overexpression, enzymatic properties and tissue localization of a ferrochelatase of cucumber. <i>Plant and Cell Physiology</i> , 2000 , 41, 192-9	4.9	17
48	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
47	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
46	Accumulation of plant galactolipid affects cell morphology of Escherichia coli. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 286, 114-8	3.4	15
45	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
44	UDP-Galactose: Diacylglycerol Galactosyltransferase in Cucumber Seedlings: Purification of the Enzyme and the Activation by Phosphatidic Acid 1995 , 152-155		15
43	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
42	Purification and Some Properties of Pheophorbide in Chenopodium album. <i>Plant and Cell Physiology</i> , 1999 , 40, 104-108	4.9	14
41	Breakdown of Chlorophylls by Soluble Proteins Extracted from Leaves of Chenopodium album. <i>Journal of Plant Physiology</i> , 1995 , 145, 416-421	3.6	14
40	Sulfoquinovosyldiacylglycerol has an Essential Role in Thermosynechococcus elongatus BP-1 Under Phosphate-Deficient Conditions. <i>Plant and Cell Physiology</i> , 2016 , 57, 2461-2471	4.9	13
39	Growth, pigmentation, and expression of the puf and puc operons in a light-responding-repressor (SPB)-disrupted Rhodospirillum rubrum. <i>Plant and Cell Physiology</i> , 1998 , 39, 411-7	4.9	13
38	Diphenyl ether herbicide-decreased heme contents stimulate 5-aminolevulinic acid synthesis. <i>Pesticide Biochemistry and Physiology</i> , 1990 , 36, 106-114	4.9	12
37	Isolation and characterization of a phosphatidylglycerophosphate phosphatase1, PGPP1, in Chlamydomonas reinhardtii. <i>Plant Physiology and Biochemistry</i> , 2015 , 92, 56-61	5.4	11
36	Role of Galactolipids in Plastid Differentiation Before and After Light Exposure. <i>Plants</i> , 2019 , 8,	4.5	11
35	Prolamellar bodies formed by cyanobacterial protochlorophyllide oxidoreductase in Arabidopsis. <i>Plant Journal</i> , 2009 , 58, 952-60	6.9	11
34	Cytokinin-Induced Transcriptional Activation of NADPH-protochlorophyllide Oxidoreductase Gene in Cucumber. <i>Journal of Plant Research</i> , 2001 , 114, 1-7	2.6	11
33	A putative transcription factor binding to the upstream region of the puf operon in Rhodospirillum rubrum. <i>FEBS Letters</i> , 1993 , 328, 41-4	3.8	10
32	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

31	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
30	Cardiolipin Supports Respiratory Enzymes in Plants in Different Ways. <i>Frontiers in Plant Science</i> , 2017 , 8, 72	6.2	8
29	Characterization of Chlamydomonas reinhardtii phosphatidylglycerophosphate synthase in Synechocystis sp. PCC 6803. <i>Frontiers in Microbiology</i> , 2015 , 6, 842	5.7	8
28	Enzymatic Activities for the Synthesis of Chlorophyll in Pigment-Deficient Variegated Leaves of Euonymus japonicus. <i>Plant and Cell Physiology</i> , 1996 , 37, 481-487	4.9	8
27	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
26	Phosphatidylglycerophosphate phosphatase is required for root growth in Arabidopsis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018 , 1863, 563-575	5	7
25	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
24	Site-directed mutagenesis of two amino acid residues in cytochrome b _L 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
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 Rhodospirillum rubrum. <i>Plant and Cell Physiology</i> , 1997 , 38, 558-67	4.9	5
22	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
21	High myristic acid content in the cyanobacterium Cyanothece 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
20	Transcriptional control for the chlorophyll metabolism. <i>Advances in Botanical Research</i> , 2019 , 133-161	2.2	3
19	The Leafless Orchid Cymbidium macrorhizon Performs Photosynthesis in the Pericarp during the Fruiting Season. <i>Plant and Cell Physiology</i> , 2021 , 62, 472-481	4.9	3
18	Photosynthetic regulatory gene cluster in an aerobic photosynthetic bacterium, Roseobacter denitrificans. <i>Journal of General and Applied Microbiology</i> , 1999 , 45, 129-134	1.5	2
17	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
16	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
15	The Role of Tetrapyrrole- and GUN1-Dependent Signaling on Chloroplast Biogenesis. <i>Plants</i> , 2021 , 10,	4.5	2
14	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

13	Impacts of phosphatidylglycerol on plastid gene expression and light induction of nuclear photosynthetic genes.. <i>Journal of Experimental Botany</i> , 2022 ,	7	1
12	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
11	GUN1 regulates tetrapyrrole biosynthesis		1
10	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
9	Expression Analysis of Transcription Factors Involved in Chloroplast Differentiation. <i>Procedia Chemistry</i> , 2015 , 14, 146-151		0
8	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
7	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
6	Genetic Analysis of Chloroplast Biogenesis, and Function and Mutant Collections. <i>Methods in Molecular Biology</i> , 2018 , 1829, 341-365	1.4	
5	Purification and Some Properties of an SDS-Activated Protease in <i>Zea Mays</i> 1995 , 4173-4176		
4	Characterization and Some Properties of Pheophorbidease from <i>Chenopodium Album</i> 1995 , 2921-2924		
3	cDNA Cloning of Cucumber Monogalactosyl Diacylglycerol Synthase and the Expression of the Active Enzyme in <i>Escherichia Coli</i> 1997 , 354-356		
2	Properties of ORF5-Disrupted and -Overexpressed <i>Rhodobacter Sphaeroides</i> Mutants 1998 , 2893-2896		
1	Analysis of Bacteriochlorophylls in Zinc-Containing Bacteriochlorophyll Producing Acidophilic Bacterium, <i>Acidiphilium Rubrum</i> , by High-Performance Liquid Chromatography 1998 , 3233-3236		