Fumihiko Sato

List of Publications by Year
in descending order

238	10,018	28274	48315
papers	citations	55 h-index	88 g-index

245	245	245	7806
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transport engineering using tobacco transporter NtJAT1 enhances alkaloid production in Escherichia coli. Bioscience, Biotechnology and Biochemistry, 2022, , .	1.3	1
2	Comparative analysis using the draft genome sequence of California poppy (Eschscholzia californica) for exploring the candidate genes involved in benzylisoquinoline alkaloid biosynthesis. Bioscience, Biotechnology and Biochemistry, 2021, 85, 851-859.	1.3	10
3	Genome-Wide Profiling of WRKY Genes Involved in Benzylisoquinoline Alkaloid Biosynthesis in California Poppy (Eschscholzia californica). Frontiers in Plant Science, 2021, 12, 699326.	3.6	15
4	Transport engineering for improving the production and secretion of valuable alkaloids in Escherichia coli. Metabolic Engineering Communications, 2021, 13, e00184.	3.6	10
5	Establishment of a co-culture system using Escherichia coli and Pichia pastoris (Komagataella phaffii) for valuable alkaloid production. Microbial Cell Factories, 2021, 20, 200.	4.0	9
6	Transcription Factors in Alkaloid Engineering. Biomolecules, 2021, 11, 1719.	4.0	14
7	Plant Alkaloid Engineering. , 2020, , 700-755.		2
8	Genome-wide identification of AP2/ERF transcription factor-encoding genes in California poppy (Eschscholzia californica) and their expression profiles in response to methyl jasmonate. Scientific Reports, 2020, 10, 18066.	3.3	18
9	Overproduction of PGR5 enhances the electron sink downstream of photosystem I in a C₄ plant, Flaveria bidentis. Plant Journal, 2020, 103, 814-823.	5.7	20
10	Identification of a multi-component berberine 11-hydroxylase from Burkholderia sp. strain CJ1. Bioscience, Biotechnology and Biochemistry, 2020, 84, 1274-1284.	1.3	1
11	Antimicrobial agent isolated from Coptidis rhizome extract incubated with Rhodococcus sp. strain BD7100. Journal of Antibiotics, 2019, 72, 71-78.	2.0	10
12	Transgenerational lipidâ€reducing activity of benzylisoquinoline alkaloids in Caenorhabditis elegans. Genes To Cells, 2019, 24, 70-81.	1.2	8
13	Mining of the Uncharacterized Cytochrome P450 Genes Involved in Alkaloid Biosynthesis in California Poppy Using a Draft Genome Sequence. Plant and Cell Physiology, 2018, 59, 222-233.	3.1	41
14	Data set of differentially expressed microRNAs in sanguinarine-treated Caenorhabditis elegans and its F3 progeny. Data in Brief, 2018, 21, 899-906.	1.0	0
15	Microbial production of novel sulphated alkaloids for drug discovery. Scientific Reports, 2018, 8, 7980.	3.3	44
16	The function of <i>ETHYLENE RESPONSE FACTOR</i> genes in the light-induced anthocyanin production of <i>Arabidopsis thaliana</i> leaves. Plant Biotechnology, 2018, 35, 87-91.	1.0	41
17	Cloning and Characterization of Cheilanthifoline and Stylopine Synthase Genes from Chelidonium majus. Plant and Cell Physiology, 2017, 58, 1421-1430.	3.1	5
18	In vivo system for analyzing the function of the PsbP protein using Chlamydomonas reinhardtii. Photosynthesis Research, 2017, 133, 117-127.	2.9	7

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19	A multidrug and toxic compound extrusion transporter mediates berberine accumulation into vacuoles in Coptis japonica. Phytochemistry, 2017, 138, 76-82.	2.9	30
20	Roles of miR319 and TCP Transcription Factors in Leaf Development. Plant Physiology, 2017, 175, 874-885.	4.8	175
21	Common origin of methylenedioxy ring degradation and demethylation in bacteria. Scientific Reports, 2017, 7, 7422.	3.3	6
22	Dihydrosanguinarine Enhances Glucose Uptake in Mouse 3T3-L1 Cells. ACS Omega, 2017, 2, 6916-6925.	3.5	11
23	Unraveling Additional O-Methylation Steps in Benzylisoquinoline Alkaloid Biosynthesis in California Poppy (Eschscholzia californica). Plant and Cell Physiology, 2017, 58, 1528-1540.	3.1	31
24	Laboratory-scale production of (S)-reticuline, an important intermediate of benzylisoquinoline alkaloids, using a bacterial-based method. Bioscience, Biotechnology and Biochemistry, 2017, 81, 396-402.	1.3	18
25	Modulation of benzylisoquinoline alkaloid biosynthesis by heterologous expression of CjWRKY1 in Eschscholzia californica cells. PLoS ONE, 2017, 12, e0186953.	2.5	18
26	Characterization of Shikonin Derivative Secretion in Lithospermum erythrorhizon Hairy Roots as a Model of Lipid-Soluble Metabolite Secretion from Plants. Frontiers in Plant Science, 2016, 7, 1066.	3.6	44
27	Characterization of the Promoter Region of Biosynthetic Enzyme Genes Involved in Berberine Biosynthesis in Coptis japonica. Frontiers in Plant Science, 2016, 7, 1352.	3.6	16
28	13-Methylberberine, a berberine analogue with stronger anti-adipogenic effects on mouse 3T3-L1 cells. Scientific Reports, 2016, 6, 38129.	3.3	29
29	Efficient microbial production of stylopine using a Pichia pastoris expression system. Scientific Reports, 2016, 6, 22201.	3.3	17
30	The N-terminal sequence of the extrinsic PsbP protein modulates the redox potential of Cyt b559 in photosystem II. Scientific Reports, 2016, 6, 21490.	3.3	24
31	Allocation of Absorbed Light Energy in Photosystem II in NPQ Mutants of Arabidopsis. Plant and Cell Physiology, 2016, 57, pcw072.	3.1	5
32	Accumulation of the components of cyclic electron flow around photosystem I in C4 plants, with respect to the requirements for ATP. Photosynthesis Research, 2016, 129, 261-277.	2.9	31
33	NDH-Mediated Cyclic Electron Flow Around Photosystem I is Crucial for C₄Photosynthesis. Plant and Cell Physiology, 2016, 57, 2020-2028.	3.1	53
34	Tyrosine phosphorylation and protein degradation control the transcriptional activity of WRKY involved in benzylisoquinoline alkaloid biosynthesis. Scientific Reports, 2016, 6, 31988.	3.3	27
35	Isolation and identification of berberine and berberrubine metabolites by berberine-utilizing bacterium Rhodococcus sp. strain BD7100. Bioscience, Biotechnology and Biochemistry, 2016, 80, 856-862.	1.3	4
36	Total biosynthesis of opiates by stepwise fermentation using engineered Escherichia coli. Nature Communications, 2016, 7, 10390.	12.8	160

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37	Two B-type ATP-binding cassette (ABC) transporters localize to the plasma membrane in <i>Thalictrum minus</i>. Plant Biotechnology, 2015, 32, 243-247.	1.0	5
38	11-Hydroxylation of Protoberberine by the Novel Berberine-Utilizing Aerobic Bacterium Sphingobium sp. Strain BD3100. Journal of Natural Products, 2015, 78, 2880-2886.	3.0	12
39	CjbHLH1 homologs regulate sanguinarine biosynthesis in Eschscholzia californica cells. Plant and Cell Physiology, 2015, 56, 1019-1030.	3.1	35
40	Knockdown of the NHR-8 nuclear receptor enhanced sensitivity to the lipid-reducing activity of alkaloids in Caenorhabditis elegans. Bioscience, Biotechnology and Biochemistry, 2014, 78, 2008-2013.	1.3	3
41	Identification of the basic amino acid residues on the PsbP protein involved in the electrostatic interaction with photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1447-1453.	1.0	21
42	Cross-linking Evidence for Multiple Interactions of the PsbP and PsbQ Proteins in a Higher Plant Photosystem II Supercomplex. Journal of Biological Chemistry, 2014, 289, 20150-20157.	3.4	45
43	Asymmetric synthesis of tetrahydroisoquinolines by enzymatic Pictetâ€“Spengler reaction. Bioscience, Biotechnology and Biochemistry, 2014, 78, 701-707.	1.3	58
44	Physiological Functions of PsbS-dependent and PsbS-independent NPQ under Naturally Fluctuating Light Conditions. Plant and Cell Physiology, 2014, 55, 1286-1295.	3.1	30
45	PGR5 and NDH Pathways in Photosynthetic Cyclic Electron Transfer Respond Differently to Sublethal Treatment with Photosystem-Interfering Herbicides. Journal of Agricultural and Food Chemistry, 2014, 62, 4083-4089.	5.2	30
46	Light energy allocation at PSII under field light conditions: How much energy is lost in NPQ-associated dissipation?. Plant Physiology and Biochemistry, 2014, 81, 115-120.	5.8	18
47	Diurnal and Developmental Changes in Energy Allocation of Absorbed Light at PSII in Field-Grown Rice. Plant and Cell Physiology, 2014, 55, 171-182.	3.1	24
48	(R,S)-Tetrahydropapaveroline production by stepwise fermentation using engineered Escherichia coli. Scientific Reports, 2014, 4, 6695.	3.3	57
49	Transcription Factors in Alkaloid Biosynthesis. International Review of Cell and Molecular Biology, 2013, 305, 339-382.	3.2	39
50	Improved Production of Plant Isoquinoline Alkaloids by Metabolic Engineering. Advances in Botanical Research, 2013, 68, 163-181.	1.1	5
51	Bioengineering of Isoquinoline Alkaloid Production in Microbial Systems. Advances in Botanical Research, 2013, , 183-203.	1.1	8
52	Characterization of Plant Functions Using Cultured Plant Cells, and Biotechnological Applications. Bioscience, Biotechnology and Biochemistry, 2013, 77, 1-9.	1.3	30
53	Metabolic Engineering and Synthetic Biology for the Production of Isoquinoline Alkaloids. , 2013, , 327-343.		3
54	Molecular cloning and characterization of a cytochrome P450 in sanguinarine biosynthesis from Eschscholzia californica cells. Phytochemistry, 2013, 91, 100-108.	2.9	64

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55	Characterization of Coptis japonica CjABCB2, an ATP-binding cassette protein involved in alkaloid transport. Phytochemistry, 2013, 91, 109-116.	2.9	71
56	Microbial Production of Plant Benzylisoquinoline Alkaloids. , 2013, , 3-24.		5
57	Cyclic electron transport around photosystem I and its relationship to non-photochemical quenching in the unicellular green alga Dunaliella salina under nitrogen deficiency. Journal of Plant Research, 2013, 126, 179-186.	2.4	15
58	Screening of Isoquinoline Alkaloids for Potent Lipid Metabolism Modulation withCaenorhabditis elegans. Bioscience, Biotechnology and Biochemistry, 2013, 77, 2405-2412.	1.3	10
59	A Regulatory Cascade Involving Class II ETHYLENE RESPONSE FACTOR Transcriptional Repressors Operates in the Progression of Leaf Senescence Â Â Â. Plant Physiology, 2013, 162, 991-1005.	4.8	103
60	Functional Analysis of PsbR in PsbP Binding to Photosystem II. Advanced Topics in Science and Technology in China, 2013, , 423-426.	0.1	0
61	Improvement of Reticuline Productivity from Dopamine by Using EngineeredEscherichia coli. Bioscience, Biotechnology and Biochemistry, 2013, 77, 2166-2168.	1.3	27
62	Microbial production of isoquinoline alkaloids as plant secondary metabolites based on metabolic engineering research. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2013, 89, 165-182.	3.8	25
63	Functional Analysis of PsbP-Like Protein 1 (PPL1) in Arabidopsis. Advanced Topics in Science and Technology in China, 2013, , 415-417.	0.1	2
64	The Electron Transport in psbS-Silenced Rice. Advanced Topics in Science and Technology in China, 2013, , 481-484.	0.1	0
65	Functional Roles of the Amino- and Carboxyl-Regions of PsbP Protein in Photosystem II. Advanced Topics in Science and Technology in China, 2013, , 67-70.	0.1	0
66	Screening of Novel Subunits of Chloroplastic NAD(P)H Dehydrogenase in Arabidopsis. Advanced Topics in Science and Technology in China, 2013, , 279-281.	0.1	0
67	Estimation of the Relative Sizes of the Two NPQ-Associated Dissipations in Rice. Advanced Topics in Science and Technology in China, 2013, , 469-472.	0.1	0
68	Bench-top fermentative production of plant benzylisoquinoline alkaloids using a bacterial platform. Bioengineered, 2012, 3, 49-53.	3.2	31
69	The Conserved His-144 in the PsbP Protein Is Important for the Interaction between the PsbP N-terminus and the Cyt b559 Subunit of Photosystem II. Journal of Biological Chemistry, 2012, 287, 26377-26387.	3.4	36
70	Listeria monocytogenes Strain-Specific Impairment of the TetR Regulator Underlies the Drastic Increase in Cyclic di-AMP Secretion and Beta Interferon-Inducing Ability. Infection and Immunity, 2012, 80, 2323-2332.	2.2	39
71	Improvement of Benzylisoquinoline Alkaloid Productivity by Overexpression of 3â€²-Hydroxy-N-methylcoclaurine 4â€²-O-Methyltransferase in Transgenic Coptis japonica Plants. Biological and Pharmaceutical Bulletin, 2012, 35, 650-659.	1.4	20
72	Engineering the biosynthesis of low molecular weight metabolites for quality traits (essential) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T		13

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73	Pathway engineering of benzylisoquinoline alkaloid biosynthesis in transgenic California poppy cells with ectopic expression of tetrahydroberberine oxidase from <i>Coptis japonica</i>. Plant Biotechnology, 2012, 29, 473-481.	1.0	20
74	CRES-T for the Functional Analysis of Transcription Factors and Modification of Morphological Traits in Plants. Current Biotechnology, 2012, 1, 23-32.	0.4	3
75	The PsbQ protein stabilizes the functional binding of the PsbP protein to photosystem II in higher plants. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1346-1351.	1.0	48
76	A bacterial platform for fermentative production of plant alkaloids. Nature Communications, 2011, 2, 326.	12.8	241
77	Unusual P450 reactions in plant secondary metabolism. Archives of Biochemistry and Biophysics, 2011, 507, 194-203.	3.0	165
78	2L1524 Interaction and function of the PsbP extrinsic protein in the oxygen evolving center of photosystem II(Photobiology: Photosynthesis,The 48th Annual Meeting of the Biophysical Society of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		
79	Molecular functions of PsbP and PsbQ proteins in the photosystem II supercomplex. Journal of Photochemistry and Photobiology B: Biology, 2011, 104, 158-164.	3.8	64
80	Molecular Cloning of anO-Methyltransferase from Adventitious Roots ofCarapichea ipecacuanha. Bioscience, Biotechnology and Biochemistry, 2011, 75, 107-113.	1.3	10
81	Isoquinoline Alkaloid Biosynthesis is Regulated by a Unique bHLH-Type Transcription Factor in Coptis japonica. Plant and Cell Physiology, 2011, 52, 1131-1141.	3.1	74
82	Allocation of Absorbed Light Energy in PSII to Thermal Dissipations in the Presence or Absence of PsbS Subunits of Rice. Plant and Cell Physiology, 2011, 52, 1822-1831.	3.1	23
83	Basic helix-loop-helix transcription factors and regulation of alkaloid biosynthesis. Plant Signaling and Behavior, 2011, 6, 1627-1630.	2.4	24
84	Generation of serrated and wavy petals by inhibition of the activity of TCP transcription factors inArabidopsis thaliana. Plant Signaling and Behavior, 2011, 6, 697-699.	2.4	35
85	Molecular characterization of O-methyltransferases involved in isoquinoline alkaloid biosynthesis in Coptis japonica. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2010, 86, 757-768.	3.8	25
86	Molecular Functions of Oxygenâ€Evolving Complex Family Proteins in Photosynthetic Electron Flow. Journal of Integrative Plant Biology, 2010, 52, 723-734.	8.5	56
87	Three PsbQ-Like Proteins are Required for the Function of the Chloroplast NAD(P)H Dehydrogenase Complex in Arabidopsis. Plant and Cell Physiology, 2010, 51, 866-876.	3.1	70
88	Metabolic Diversification of Benzylisoquinoline Alkaloid Biosynthesis Through the Introduction of a Branch Pathway in Eschscholzia californica. Plant and Cell Physiology, 2010, 51, 949-959.	3.1	18
89	Over-expression of Rate-Limiting Enzymes to Improve Alkaloid Productivity. Methods in Molecular Biology, 2010, 643, 95-109.	0.9	16
90	Microbial Expression of Alkaloid Biosynthetic Enzymes for Characterization of Their Properties. Methods in Molecular Biology, 2010, 643, 111-120.	0.9	1

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91	A Role of TCP1 in the Longitudinal Elongation of Leaves in Arabidopsis. Bioscience, Biotechnology and Biochemistry, 2010, 74, 2145-2147.	1.3	58
92	Identification of Regulatory Protein Genes Involved in Alkaloid Biosynthesis Using a Transient RNAi System. Methods in Molecular Biology, 2010, 643, 33-45.	0.9	2
93	Knockdown of the PsbP protein does not prevent assembly of the dimeric PSII core complex but impairs accumulation of photosystem II supercomplexes in tobacco. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 873-881.	1.0	53
94	Enantiomeric separation of racemic 1-benzyl-N-methyltetrahydroisoquinolines on chiral columns and chiral purity determinations of the O-methylated metabolites in plant cell cultures by HPLC-CD on-line coupling in combination with HPLC-MS. Phytochemistry, 2009, 70, 198-206.	2.9	11
95	CYP719A subfamily of cytochrome P450 oxygenases and isoquinoline alkaloid biosynthesis in Eschscholzia californica. Plant Cell Reports, 2009, 28, 123-133.	5.6	85
96	Three novel subunits of Arabidopsis chloroplastic NAD(P)H dehydrogenase identified by bioinformatic and reverse genetic approaches. Plant Journal, 2009, 57, 207-219.	5.7	82
97	FTIR Evidence That the PsbP Extrinsic Protein Induces Protein Conformational Changes around the Oxygen-Evolving Mn Cluster in Photosystem II. Biochemistry, 2009, 48, 6318-6325.	2.5	56
98	Title is missing!. Kagaku To Seibutsu, 2009, 47, 528-530.	0.0	0
99	Structure, function, and evolution of the PsbP protein family in higher plants. Photosynthesis Research, 2008, 98, 427-437.	2.9	63
100	Structures of the three homoeologous loci of wheat benzoxazinone biosynthetic genes TaBx3 and TaBx4 and characterization of their promoter sequences. Theoretical and Applied Genetics, 2008, 116, 373-381.	3.6	19
101	Electron transport activities of Arabidopsis thaliana mutants with impaired chloroplastic NAD(P)H dehydrogenase. Journal of Plant Research, 2008, 121, 521-526.	2.4	17
102	Engineering Formation of Medicinal Compounds in Cell Cultures. Advances in Plant Biochemistry and Molecular Biology, 2008, 1, 311-345.	0.5	17
103	Lichen Photobionts Show Tolerance against Lichen Acids Produced by Lichen Mycobionts. Bioscience, Biotechnology and Biochemistry, 2008, 72, 3122-3127.	1.3	10
104	Microbial production of plant benzylisoquinoline alkaloids. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7393-7398.	7.1	307
105	Nitrogen Recycling and Remobilization Are Differentially Controlled by Leaf Senescence and Development Stage in Arabidopsis under Low Nitrogen Nutrition. Plant Physiology, 2008, 147, 1437-1449.	4.8	237
106	NDF6: A Thylakoid Protein Specific to Terrestrial Plants is Essential for Activity of Chloroplastic NAD(P)H Dehydrogenase in Arabidopsis. Plant and Cell Physiology, 2008, 49, 1066-1073.	3.1	39
107	Molecular Cloning and Characterization of CYP80G2, a Cytochrome P450 That Catalyzes an Intramolecular Câ€“C Phenol Coupling of (S)-Reticuline in Magnoflorine Biosynthesis, from Cultured Coptis japonica Cells. Journal of Biological Chemistry, 2008, 283, 8810-8821.	3.4	130
108	A Novel Nuclear-Encoded Protein, NDH-Dependent Cyclic Electron Flow 5, is Essential for the Accumulation of Chloroplast NAD(P)H Dehydrogenase Complexes. Plant and Cell Physiology, 2008, 50, 383-393.	3.1	30

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109	Isolation of Herbicide-Resistant 4-Hydroxyphenylpyruvate Dioxygenase from CulturedCoptis japonicaCells. Bioscience, Biotechnology and Biochemistry, 2008, 72, 3059-3062.	1.3	6
110	Effects of PsbP Knockdown on the Photosynthetic Electron Transfer in Nicotiana tabacum. , 2008, , 605-608.		0
111	Chloroplastic NAD(P)H dehydrogenase complex and cyclic electron transport around photosystem I. Molecules and Cells, 2008, 25, 158-62.	2.6	23
112	Overexpression of Coptis japonica Norcoclaurine 6- O -Methyltransferase Overcomes the Rate-Limiting Step in Benzylisoquinoline Alkaloid Biosynthesis in Cultured Eschscholzia californica. Plant and Cell Physiology, 2007, 48, 252-262.	3.1	88
113	Metabolic Engineering in Isoquinoline Alkaloid Biosynthesis. Current Pharmaceutical Biotechnology, 2007, 8, 211-218.	1.6	66
114	Distinct Functions for the Two PsbP-Like Proteins PPL1 and PPL2 in the Chloroplast Thylakoid Lumen of Arabidopsis. Plant Physiology, 2007, 145, 668-679.	4.8	134
115	Identification of a WRKY Protein as a Transcriptional Regulator of Benzylisoquinoline Alkaloid Biosynthesis in Coptis japonica. Plant and Cell Physiology, 2007, 48, 8-18.	3.1	153
116	Bowmanâ€“Birk Proteinase Inhibitor Confers Heavy Metal and Multiple Drug Tolerance in Yeast. Plant and Cell Physiology, 2007, 48, 193-197.	3.1	16
117	Functional Analysis of Norcoclaurine Synthase in Coptis japonica. Journal of Biological Chemistry, 2007, 282, 6274-6282.	3.4	118
118	Metabolic Engineering in Alkaloid Biosynthesis: Case Studies in Tyrosine- and Putrescine-Derived Alkaloids. , 2007, , 145-173.		10
119	Molecular cloning and characterization of methylenedioxy bridge-forming enzymes involved in stylopine biosynthesis inEschscholzia californica. FEBS Journal, 2007, 274, 1019-1035.	4.7	104
120	Knockdown of berberine bridge enzyme by RNAi accumulates (S)-reticuline and activates a silent pathway in cultured California poppy cells. Transgenic Research, 2007, 16, 363-375.	2.4	107
121	In Vivo 15N-Enrichment of Metabolites in Suspension Cultured Cells and Its Application to Metabolomics. Biotechnology Progress, 2006, 22, 1003-1011.	2.6	33
122	Heterologous Expression of a Mammalian ABC Transporter in Plant and its Application to Phytoremediation. Plant Molecular Biology, 2006, 61, 491-503.	3.9	37
123	Inhibition of PSII in Atrazine-Tolerant Tobacco Cells by Barbatic Acid, a Lichen-Derived Depside. Bioscience, Biotechnology and Biochemistry, 2006, 70, 266-268.	1.3	13
124	Functional dissection of two Arabidopsis PsbO proteins. FEBS Journal, 2005, 272, 2165-2175.	4.7	80
125	Post-translational regulation of CND41 protease activity in senescent tobacco leaves. Planta, 2005, 222, 643-651.	3.2	86
126	Structure and function of the PsbP protein of Photosystem II from higher plants. Photosynthesis Research, 2005, 84, 251-255.	2.9	31

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127	RNAi and functional genomics. Plant Biotechnology, 2005, 22, 431-442.	1.0	11
128	PGP4, an ATP Binding Cassette P-Glycoprotein, Catalyzes Auxin Transport in Arabidopsis thaliana Roots. Plant Cell, 2005, 17, 2922-2939.	6.6	328
129	Stromal Over-reduction by High-light Stress as Measured by Decreases in P700 Oxidation by Far-red Light and its Physiological Relevance. Plant and Cell Physiology, 2005, 46, 775-781.	3.1	29
130	PsbP Protein, But Not PsbQ Protein, Is Essential for the Regulation and Stabilization of Photosystem II in Higher Plants. Plant Physiology, 2005, 139, 1175-1184.	4.8	171
131	Functional Analysis of Four Members of the PsbP Family in Photosystem II in Nicotiana tabacum using Differential RNA Interference. Plant and Cell Physiology, 2005, 46, 1885-1893.	3.1	33
132	Functional Analysis of Arabidopsis Ethylene-Responsive Element Binding Protein Conferring Resistance to Bax and Abiotic Stress-Induced Plant Cell Death. Plant Physiology, 2005, 138, 1436-1445.	4.8	80
133	Characterization of Vacuolar Transport of the Endogenous Alkaloid Berberine in Coptis japonica. Plant Physiology, 2005, 138, 1939-1946.	4.8	115
134	From The Cover: Differential use of two cyclic electron flows around photosystem I for driving CO2-concentration mechanism in C4 photosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16898-16903.	7.1	132
135	Transient RNA Silencing of Scoulerine 9-O-Methyltransferase Expression by Double Stranded RNA inCoptis japonicaProtoplasts. Bioscience, Biotechnology and Biochemistry, 2005, 69, 63-70.	1.3	20
136	Establishment of Rhizobium-mediated transformation of Coptis japonica and molecular analyses of transgenic plants. Plant Biotechnology, 2005, 22, 113-118.	1.0	9
137	In VivoBioconversion of Tetrahydroisoquinoline by Recombinant CoclaurineN-Methyltransferase. Bioscience, Biotechnology and Biochemistry, 2004, 68, 939-941.	1.3	19
138	Isolation of Putative Glycoprotein Gene from Early Somatic Embryo of Carrot and its Possible Involvement in Somatic Embryo Development. Plant and Cell Physiology, 2004, 45, 1658-1668.	3.1	14
139	Engineering of ubiquinone biosynthesis using the yeast coq2 gene confers oxidative stress tolerance in transgenic tobacco. Plant Journal, 2004, 40, 734-743.	5.7	58
140	Crystal structure of the PsbP protein of photosystem II from Nicotiana tabacum. EMBO Reports, 2004, 5, 362-367.	4.5	99
141	The DNA-binding protease, CND41, and the degradation of ribulose-1,5-bisphosphate carboxylase/oxygenase in senescent leaves of tobacco. Planta, 2004, 220, 97-104.	3.2	138
142	Ribosomal RNA processing and an RNase R family member in chloroplasts of Arabidopsis. Plant Molecular Biology, 2004, 55, 595-606.	3.9	42
143	Thalictrum minus cell cultures and ABC-like transporter. Phytochemistry, 2003, 62, 483-489.	2.9	29
144	CND41, a chloroplast nucleoid protein that regulates plastid development, causes reduced gibberellin content and dwarfism in tobacco. Physiologia Plantarum, 2003, 117, 130-136.	5.2	22

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145	Crystallization and preliminary crystallographic studies on the extrinsic 23â€…kDa protein in the oxygen-evolving complex of photosystem II. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 1462-1463.	2.5	11
146	Transcriptional activation of phosphoenolpyruvate carboxylase by phosphorus deficiency in tobacco. Journal of Experimental Botany, 2003, 54, 961-969.	4.8	20
147	Involvement of CjMDR1, a plant multidrug-resistance-type ATP-binding cassette protein, in alkaloid transport in Coptis japonica. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 751-756.	7.1	256
148	Molecular Cloning and Characterization of CYP719, a Methylenedioxy Bridge-forming Enzyme That Belongs to a Novel P450 Family, from cultured Coptis japonica Cells. Journal of Biological Chemistry, 2003, 278, 38557-38565.	3.4	170
149	Limonene production in tobacco with Perilla limonene synthase cDNA. Journal of Experimental Botany, 2003, 54, 2635-2642.	4.8	67
150	Specific RNA Interference inpsbP Genes Encoded by a Multigene Family inNicotiana tabacumwith a Short 3â€²-Untranslated Sequence. Bioscience, Biotechnology and Biochemistry, 2003, 67, 107-113.	1.3	15
151	Application of Vanadate-Induced Nucleotide Trapping to Plant Cells for Detection of ABC Proteins. Plant and Cell Physiology, 2003, 44, 198-200.	3.1	13
152	Isolation of tobacco ubiquitinâ€conjugating enzyme cDNA in a yeast twoâ€hybrid system with tobacco ERF3 as bait and its characterization of specific interaction. Journal of Experimental Botany, 2003, 54, 1175-1181.	4.8	40
153	Molecular Cloning and Characterization of CoclaurineN-Methyltransferase from Cultured Cells of Coptis japonica. Journal of Biological Chemistry, 2002, 277, 830-835.	3.4	146
154	Inhibition of Photosystem II of Spinach by the Respiration Inhibitors Piericidin A and Thenoyltrifluoroacetone. Bioscience, Biotechnology and Biochemistry, 2002, 66, 1925-1929.	1.3	7
155	Geranyl Diphosphate:4-Hydroxybenzoate Geranyltransferase fromLithospermum erythrorhizon. Journal of Biological Chemistry, 2002, 277, 6240-6246.	3.4	133
156	A Truncated Mutant of the Extrinsic 23-kDa Protein that Absolutely Requires the Extrinsic 17-kDa Protein for Ca2+ Retention in Photosystem II. Plant and Cell Physiology, 2002, 43, 1244-1249.	3.1	36
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