

# Fumihiko Sato

## List of Publications by Year in descending order

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238  
papers

10,018  
citations

28190

55  
h-index

48187

88  
g-index

245  
all docs

245  
docs citations

245  
times ranked

7806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transport engineering using tobacco transporter NtJAT1 enhances alkaloid production in <i>Escherichia coli</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2022, , .	0.6	1
2	Comparative analysis using the draft genome sequence of California poppy ( <i>Eschscholzia californica</i> ) for exploring the candidate genes involved in benzyloisoquinoline alkaloid biosynthesis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 851-859.	0.6	10
3	Genome-Wide Profiling of WRKY Genes Involved in Benzyloisoquinoline Alkaloid Biosynthesis in California Poppy ( <i>Eschscholzia californica</i> ). <i>Frontiers in Plant Science</i> , 2021, 12, 699326.	1.7	15
4	Transport engineering for improving the production and secretion of valuable alkaloids in <i>Escherichia coli</i> . <i>Metabolic Engineering Communications</i> , 2021, 13, e00184.	1.9	10
5	Establishment of a co-culture system using <i>Escherichia coli</i> and <i>Pichia pastoris</i> ( <i>Komagataella phaffii</i> ) for valuable alkaloid production. <i>Microbial Cell Factories</i> , 2021, 20, 200.	1.9	9
6	Transcription Factors in Alkaloid Engineering. <i>Biomolecules</i> , 2021, 11, 1719.	1.8	14
7	Plant Alkaloid Engineering. , 2020, , 700-755.		2
8	Genome-wide identification of AP2/ERF transcription factor-encoding genes in California poppy ( <i>Eschscholzia californica</i> ) and their expression profiles in response to methyl jasmonate. <i>Scientific Reports</i> , 2020, 10, 18066.	1.6	18
9	Overproduction of PGR5 enhances the electron sink downstream of photosystem I in a <i>C<sub>4</sub></i> plant, <i>Flaveria bidentis</i> . <i>Plant Journal</i> , 2020, 103, 814-823.	2.8	20
10	Identification of a multi-component berberine 11-hydroxylase from <i>Burkholderia</i> sp. strain CJ1. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 1274-1284.	0.6	1
11	Antimicrobial agent isolated from <i>Coptidis</i> rhizome extract incubated with <i>Rhodococcus</i> sp. strain BD7100. <i>Journal of Antibiotics</i> , 2019, 72, 71-78.	1.0	10
12	Transgenerational lipid-reducing activity of benzyloisoquinoline alkaloids in <i>Caenorhabditis elegans</i> . <i>Genes To Cells</i> , 2019, 24, 70-81.	0.5	8
13	Mining of the Uncharacterized Cytochrome P450 Genes Involved in Alkaloid Biosynthesis in California Poppy Using a Draft Genome Sequence. <i>Plant and Cell Physiology</i> , 2018, 59, 222-233.	1.5	41
14	Data set of differentially expressed microRNAs in sanguinarine-treated <i>Caenorhabditis elegans</i> and its F3 progeny. <i>Data in Brief</i> , 2018, 21, 899-906.	0.5	0
15	Microbial production of novel sulphated alkaloids for drug discovery. <i>Scientific Reports</i> , 2018, 8, 7980.	1.6	44
16	The function of <i>ERF</i> genes in the light-induced anthocyanin production of <i>Arabidopsis thaliana</i> leaves. <i>Plant Biotechnology</i> , 2018, 35, 87-91.	0.5	41
17	Cloning and Characterization of Cheilanthifoline and Stylophine Synthase Genes from <i>Chelidonium majus</i> . <i>Plant and Cell Physiology</i> , 2017, 58, 1421-1430.	1.5	5
18	In vivo system for analyzing the function of the PsbP protein using <i>Chlamydomonas reinhardtii</i> . <i>Photosynthesis Research</i> , 2017, 133, 117-127.	1.6	7

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19	A multidrug and toxic compound extrusion transporter mediates berberine accumulation into vacuoles in <i>Coptis japonica</i> . <i>Phytochemistry</i> , 2017, 138, 76-82.	1.4	30
20	Roles of miR319 and TCP Transcription Factors in Leaf Development. <i>Plant Physiology</i> , 2017, 175, 874-885.	2.3	175
21	Common origin of methylenedioxy ring degradation and demethylation in bacteria. <i>Scientific Reports</i> , 2017, 7, 7422.	1.6	6
22	Dihydrosanguinarine Enhances Glucose Uptake in Mouse 3T3-L1 Cells. <i>ACS Omega</i> , 2017, 2, 6916-6925.	1.6	11
23	Unraveling Additional O-Methylation Steps in Benzylisoquinoline Alkaloid Biosynthesis in California Poppy ( <i>Eschscholzia californica</i> ). <i>Plant and Cell Physiology</i> , 2017, 58, 1528-1540.	1.5	31
24	Laboratory-scale production of (<i>S</i>)-reticuline, an important intermediate of benzylisoquinoline alkaloids, using a bacterial-based method. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 396-402.	0.6	18
25	Modulation of benzylisoquinoline alkaloid biosynthesis by heterologous expression of CjWRKY1 in <i>Eschscholzia californica</i> cells. <i>PLoS ONE</i> , 2017, 12, e0186953.	1.1	18
26	Characterization of Shikonin Derivative Secretion in <i>Lithospermum erythrorhizon</i> Hairy Roots as a Model of Lipid-Soluble Metabolite Secretion from Plants. <i>Frontiers in Plant Science</i> , 2016, 7, 1066.	1.7	44
27	Characterization of the Promoter Region of Biosynthetic Enzyme Genes Involved in Berberine Biosynthesis in <i>Coptis japonica</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1352.	1.7	16
28	13-Methylberberine, a berberine analogue with stronger anti-adipogenic effects on mouse 3T3-L1 cells. <i>Scientific Reports</i> , 2016, 6, 38129.	1.6	29
29	Efficient microbial production of stylopine using a <i>Pichia pastoris</i> expression system. <i>Scientific Reports</i> , 2016, 6, 22201.	1.6	17
30	The N-terminal sequence of the extrinsic PsbP protein modulates the redox potential of Cyt b559 in photosystem II. <i>Scientific Reports</i> , 2016, 6, 21490.	1.6	24
31	Allocation of Absorbed Light Energy in Photosystem II in NPQ Mutants of <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2016, 57, pcw072.	1.5	5
32	Accumulation of the components of cyclic electron flow around photosystem I in C4 plants, with respect to the requirements for ATP. <i>Photosynthesis Research</i> , 2016, 129, 261-277.	1.6	31
33	NDH-Mediated Cyclic Electron Flow Around Photosystem I is Crucial for C<sub>4</sub> Photosynthesis. <i>Plant and Cell Physiology</i> , 2016, 57, 2020-2028.	1.5	53
34	Tyrosine phosphorylation and protein degradation control the transcriptional activity of WRKY involved in benzylisoquinoline alkaloid biosynthesis. <i>Scientific Reports</i> , 2016, 6, 31988.	1.6	27
35	Isolation and identification of berberine and berberrubine metabolites by berberine-utilizing bacterium <i>Rhodococcus</i> sp. strain BD7100. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 856-862.	0.6	4
36	Total biosynthesis of opiates by stepwise fermentation using engineered <i>Escherichia coli</i> . <i>Nature Communications</i> , 2016, 7, 10390.	5.8	160

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37	Two B-type ATP-binding cassette (ABC) transporters localize to the plasma membrane in <i>Thalictrum minus</i> . <i>Plant Biotechnology</i> , 2015, 32, 243-247.	0.5	5
38	11-Hydroxylation of Protoberberine by the Novel Berberine-Utilizing Aerobic Bacterium <i>Sphingobium</i> sp. Strain BD3100. <i>Journal of Natural Products</i> , 2015, 78, 2880-2886.	1.5	12
39	CjbHLH1 homologs regulate sanguinarine biosynthesis in <i>Eschscholzia californica</i> cells. <i>Plant and Cell Physiology</i> , 2015, 56, 1019-1030.	1.5	35
40	Knockdown of the NHR-8 nuclear receptor enhanced sensitivity to the lipid-reducing activity of alkaloids in <i>Caenorhabditis elegans</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 2008-2013.	0.6	3
41	Identification of the basic amino acid residues on the PsbP protein involved in the electrostatic interaction with photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1447-1453.	0.5	21
42	Cross-linking Evidence for Multiple Interactions of the PsbP and PsbQ Proteins in a Higher Plant Photosystem II Supercomplex. <i>Journal of Biological Chemistry</i> , 2014, 289, 20150-20157.	1.6	45
43	Asymmetric synthesis of tetrahydroisoquinolines by enzymatic Pictet-Spengler reaction. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 701-707.	0.6	58
44	Physiological Functions of PsbS-dependent and PsbS-independent NPQ under Naturally Fluctuating Light Conditions. <i>Plant and Cell Physiology</i> , 2014, 55, 1286-1295.	1.5	30
45	PGR5 and NDH Pathways in Photosynthetic Cyclic Electron Transfer Respond Differently to Sublethal Treatment with Photosystem-Interfering Herbicides. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 4083-4089.	2.4	30
46	Light energy allocation at PSII under field light conditions: How much energy is lost in NPQ-associated dissipation?. <i>Plant Physiology and Biochemistry</i> , 2014, 81, 115-120.	2.8	18
47	Diurnal and Developmental Changes in Energy Allocation of Absorbed Light at PSII in Field-Grown Rice. <i>Plant and Cell Physiology</i> , 2014, 55, 171-182.	1.5	24
48	(R,S)-Tetrahydropapaveroline production by stepwise fermentation using engineered <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2014, 4, 6695.	1.6	57
49	Transcription Factors in Alkaloid Biosynthesis. <i>International Review of Cell and Molecular Biology</i> , 2013, 305, 339-382.	1.6	39
50	Improved Production of Plant Isoquinoline Alkaloids by Metabolic Engineering. <i>Advances in Botanical Research</i> , 2013, 68, 163-181.	0.5	5
51	Bioengineering of Isoquinoline Alkaloid Production in Microbial Systems. <i>Advances in Botanical Research</i> , 2013, , 183-203.	0.5	8
52	Characterization of Plant Functions Using Cultured Plant Cells, and Biotechnological Applications. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 1-9.	0.6	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 <i>Eschscholzia californica</i> cells. <i>Phytochemistry</i> , 2013, 91, 100-108.	1.4	64

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55	Characterization of <i>Coptis japonica</i> CjABCB2, an ATP-binding cassette protein involved in alkaloid transport. <i>Phytochemistry</i> , 2013, 91, 109-116.	1.4	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 <i>Dunaliella salina</i> under nitrogen deficiency. <i>Journal of Plant Research</i> , 2013, 126, 179-186.	1.2	15
58	Screening of Isoquinoline Alkaloids for Potent Lipid Metabolism Modulation with <i>Caenorhabditis elegans</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 2405-2412.	0.6	10
59	A Regulatory Cascade Involving Class II ETHYLENE RESPONSE FACTOR Transcriptional Repressors Operates in the Progression of Leaf Senescence. <i>Plant Physiology</i> , 2013, 162, 991-1005.	2.3	103
60	Functional Analysis of PsbR in PsbP Binding to Photosystem II. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 423-426.	0.0	0
61	Improvement of Reticuline Productivity from Dopamine by Using Engineered <i>Escherichia coli</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 2166-2168.	0.6	27
62	Microbial production of isoquinoline alkaloids as plant secondary metabolites based on metabolic engineering research. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2013, 89, 165-182.	1.6	25
63	Functional Analysis of PsbP-Like Protein 1 (PPL1) in Arabidopsis. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 415-417.	0.0	2
64	The Electron Transport in psbS-Silenced Rice. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 481-484.	0.0	0
65	Functional Roles of the Amino- and Carboxyl-Regions of PsbP Protein in Photosystem II. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 67-70.	0.0	0
66	Screening of Novel Subunits of Chloroplastic NAD(P)H Dehydrogenase in Arabidopsis. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 279-281.	0.0	0
67	Estimation of the Relative Sizes of the Two NPQ-Associated Dissipations in Rice. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 469-472.	0.0	0
68	Bench-top fermentative production of plant benzylisoquinoline alkaloids using a bacterial platform. <i>Bioengineered</i> , 2012, 3, 49-53.	1.4	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. <i>Journal of Biological Chemistry</i> , 2012, 287, 26377-26387.	1.6	36
70	<i>Listeria monocytogenes</i> Strain-Specific Impairment of the TetR Regulator Underlies the Drastic Increase in Cyclic di-AMP Secretion and Beta Interferon-Inducing Ability. <i>Infection and Immunity</i> , 2012, 80, 2323-2332.	1.0	39
71	Improvement of Benzylisoquinoline Alkaloid Productivity by Overexpression of 3- <i>N</i> -methylcochlorine 4- <i>O</i> -Methyltransferase in Transgenic <i>Coptis japonica</i> Plants. <i>Biological and Pharmaceutical Bulletin</i> , 2012, 35, 650-659.	0.6	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 benzyloquinoline alkaloid biosynthesis in transgenic California poppy cells with ectopic expression of tetrahydroberberine oxidase from <i>Coptis japonica</i> . <i>Plant Biotechnology</i> , 2012, 29, 473-481.	0.5	20
74	CRES-T for the Functional Analysis of Transcription Factors and Modification of Morphological Traits in Plants. <i>Current Biotechnology</i> , 2012, 1, 23-32.	0.2	3
75	The PsbQ protein stabilizes the functional binding of the PsbP protein to photosystem II in higher plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1346-1351.	0.5	48
76	A bacterial platform for fermentative production of plant alkaloids. <i>Nature Communications</i> , 2011, 2, 326.	5.8	241
77	Unusual P450 reactions in plant secondary metabolism. <i>Archives of Biochemistry and Biophysics</i> , 2011, 507, 194-203.	1.4	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 0ogBT /Overclock 10 Tf		
79	Molecular functions of PsbP and PsbQ proteins in the photosystem II supercomplex. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011, 104, 158-164.	1.7	64
80	Molecular Cloning of anO-Methyltransferase from Adventitious Roots ofCarapichea ipecacuanha. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 107-113.	0.6	10
81	Isoquinoline Alkaloid Biosynthesis is Regulated by a Unique bHLH-Type Transcription Factor in <i>Coptis japonica</i> . <i>Plant and Cell Physiology</i> , 2011, 52, 1131-1141.	1.5	74
82	Allocation of Absorbed Light Energy in PSII to Thermal Dissipations in the Presence or Absence of PsbS Subunits of Rice. <i>Plant and Cell Physiology</i> , 2011, 52, 1822-1831.	1.5	23
83	Basic helix-loop-helix transcription factors and regulation of alkaloid biosynthesis. <i>Plant Signaling and Behavior</i> , 2011, 6, 1627-1630.	1.2	24
84	Generation of serrated and wavy petals by inhibition of the activity of TCP transcription factors in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2011, 6, 697-699.	1.2	35
85	Molecular characterization of O-methyltransferases involved in isoquinoline alkaloid biosynthesis in <i>Coptis japonica</i> . <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2010, 86, 757-768.	1.6	25
86	Molecular Functions of Oxygen-Evolving Complex Family Proteins in Photosynthetic Electron Flow. <i>Journal of Integrative Plant Biology</i> , 2010, 52, 723-734.	4.1	56
87	Three PsbQ-Like Proteins are Required for the Function of the Chloroplast NAD(P)H Dehydrogenase Complex in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2010, 51, 866-876.	1.5	70
88	Metabolic Diversification of Benzyloquinoline Alkaloid Biosynthesis Through the Introduction of a Branch Pathway in <i>Eschscholzia californica</i> . <i>Plant and Cell Physiology</i> , 2010, 51, 949-959.	1.5	18
89	Over-expression of Rate-Limiting Enzymes to Improve Alkaloid Productivity. <i>Methods in Molecular Biology</i> , 2010, 643, 95-109.	0.4	16
90	Microbial Expression of Alkaloid Biosynthetic Enzymes for Characterization of Their Properties. <i>Methods in Molecular Biology</i> , 2010, 643, 111-120.	0.4	1

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91	A Role of TCP1 in the Longitudinal Elongation of Leaves in Arabidopsis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 2145-2147.	0.6	58
92	Identification of Regulatory Protein Genes Involved in Alkaloid Biosynthesis Using a Transient RNAi System. <i>Methods in Molecular Biology</i> , 2010, 643, 33-45.	0.4	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. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 873-881.	0.5	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. <i>Phytochemistry</i> , 2009, 70, 198-206.	1.4	11
95	CYP719A subfamily of cytochrome P450 oxygenases and isoquinoline alkaloid biosynthesis in <i>Eschscholzia californica</i> . <i>Plant Cell Reports</i> , 2009, 28, 123-133.	2.8	85
96	Three novel subunits of Arabidopsis chloroplastic NAD(P)H dehydrogenase identified by bioinformatic and reverse genetic approaches. <i>Plant Journal</i> , 2009, 57, 207-219.	2.8	82
97	FTIR Evidence That the PsbP Extrinsic Protein Induces Protein Conformational Changes around the Oxygen-Evolving Mn Cluster in Photosystem II. <i>Biochemistry</i> , 2009, 48, 6318-6325.	1.2	56
98	Title is missing!. <i>Kagaku To Seibutsu</i> , 2009, 47, 528-530.	0.0	0
99	Structure, function, and evolution of the PsbP protein family in higher plants. <i>Photosynthesis Research</i> , 2008, 98, 427-437.	1.6	63
100	Structures of the three homoeologous loci of wheat benzoxazinone biosynthetic genes TaBx3 and TaBx4 and characterization of their promoter sequences. <i>Theoretical and Applied Genetics</i> , 2008, 116, 373-381.	1.8	19
101	Electron transport activities of Arabidopsis thaliana mutants with impaired chloroplastic NAD(P)H dehydrogenase. <i>Journal of Plant Research</i> , 2008, 121, 521-526.	1.2	17
102	Engineering Formation of Medicinal Compounds in Cell Cultures. <i>Advances in Plant Biochemistry and Molecular Biology</i> , 2008, 1, 311-345.	0.5	17
103	Lichen Photobionts Show Tolerance against Lichen Acids Produced by Lichen Mycobionts. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 3122-3127.	0.6	10
104	Microbial production of plant benzylisoquinoline alkaloids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7393-7398.	3.3	307
105	Nitrogen Recycling and Remobilization Are Differentially Controlled by Leaf Senescence and Development Stage in Arabidopsis under Low Nitrogen Nutrition. <i>Plant Physiology</i> , 2008, 147, 1437-1449.	2.3	237
106	NDF6: A Thylakoid Protein Specific to Terrestrial Plants is Essential for Activity of Chloroplastic NAD(P)H Dehydrogenase in Arabidopsis. <i>Plant and Cell Physiology</i> , 2008, 49, 1066-1073.	1.5	39
107	Molecular Cloning and Characterization of CYP80G2, a Cytochrome P450 That Catalyzes an Intramolecular C-C Phenol Coupling of (S)-Reticuline in Magnoflorine Biosynthesis, from Cultured <i>Coptis japonica</i> Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 8810-8821.	1.6	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. <i>Plant and Cell Physiology</i> , 2008, 50, 383-393.	1.5	30



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109	Isolation of Herbicide-Resistant 4-Hydroxyphenylpyruvate Dioxygenase from Cultured <i>Coptis japonica</i> Cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 3059-3062.	0.6	6
110	Effects of PsbP Knockdown on the Photosynthetic Electron Transfer in <i>Nicotiana tabacum</i> . , 2008, , 605-608.		0
111	Chloroplastic NAD(P)H dehydrogenase complex and cyclic electron transport around photosystem I. <i>Molecules and Cells</i> , 2008, 25, 158-62.	1.0	23
112	Overexpression of <i>Coptis japonica</i> Norcochlorine 6- O -Methyltransferase Overcomes the Rate-Limiting Step in Benzylisoquinoline Alkaloid Biosynthesis in Cultured <i>Eschscholzia californica</i> . <i>Plant and Cell Physiology</i> , 2007, 48, 252-262.	1.5	88
113	Metabolic Engineering in Isoquinoline Alkaloid Biosynthesis. <i>Current Pharmaceutical Biotechnology</i> , 2007, 8, 211-218.	0.9	66
114	Distinct Functions for the Two PsbP-Like Proteins PPL1 and PPL2 in the Chloroplast Thylakoid Lumen of <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2007, 145, 668-679.	2.3	134
115	Identification of a WRKY Protein as a Transcriptional Regulator of Benzylisoquinoline Alkaloid Biosynthesis in <i>Coptis japonica</i> . <i>Plant and Cell Physiology</i> , 2007, 48, 8-18.	1.5	153
116	Bowmanâ€™s Birk Proteinase Inhibitor Confers Heavy Metal and Multiple Drug Tolerance in Yeast. <i>Plant and Cell Physiology</i> , 2007, 48, 193-197.	1.5	16
117	Functional Analysis of Norcochlorine Synthase in <i>Coptis japonica</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 6274-6282.	1.6	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 stylophine biosynthesis in <i>Eschscholzia californica</i> . <i>FEBS Journal</i> , 2007, 274, 1019-1035.	2.2	104
120	Knockdown of berberine bridge enzyme by RNAi accumulates (S)-reticuline and activates a silent pathway in cultured California poppy cells. <i>Transgenic Research</i> , 2007, 16, 363-375.	1.3	107
121	In Vivo <sup>15</sup> N-Enrichment of Metabolites in Suspension Cultured Cells and Its Application to Metabolomics. <i>Biotechnology Progress</i> , 2006, 22, 1003-1011.	1.3	33
122	Heterologous Expression of a Mammalian ABC Transporter in Plant and its Application to Phytoremediation. <i>Plant Molecular Biology</i> , 2006, 61, 491-503.	2.0	37
123	Inhibition of PSII in Atrazine-Tolerant Tobacco Cells by Barbatic Acid, a Lichen-Derived Depside. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 266-268.	0.6	13
124	Functional dissection of two <i>Arabidopsis</i> PsbO proteins. <i>FEBS Journal</i> , 2005, 272, 2165-2175.	2.2	80
125	Post-translational regulation of CND41 protease activity in senescent tobacco leaves. <i>Planta</i> , 2005, 222, 643-651.	1.6	86
126	Structure and function of the PsbP protein of Photosystem II from higher plants. <i>Photosynthesis Research</i> , 2005, 84, 251-255.	1.6	31



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127	RNAi and functional genomics. <i>Plant Biotechnology</i> , 2005, 22, 431-442.	0.5	11
128	PGP4, an ATP Binding Cassette P-Glycoprotein, Catalyzes Auxin Transport in <i>Arabidopsis thaliana</i> Roots. <i>Plant Cell</i> , 2005, 17, 2922-2939.	3.1	328
129	Stromal Over-reduction by High-light Stress as Measured by Decreases in P700 Oxidation by Far-red Light and its Physiological Relevance. <i>Plant and Cell Physiology</i> , 2005, 46, 775-781.	1.5	29
130	PsbP Protein, But Not PsbQ Protein, Is Essential for the Regulation and Stabilization of Photosystem II in Higher Plants. <i>Plant Physiology</i> , 2005, 139, 1175-1184.	2.3	171
131	Functional Analysis of Four Members of the PsbP Family in Photosystem II in <i>Nicotiana tabacum</i> using Differential RNA Interference. <i>Plant and Cell Physiology</i> , 2005, 46, 1885-1893.	1.5	33
132	Functional Analysis of <i>Arabidopsis</i> Ethylene-Responsive Element Binding Protein Conferring Resistance to Bax and Abiotic Stress-Induced Plant Cell Death. <i>Plant Physiology</i> , 2005, 138, 1436-1445.	2.3	80
133	Characterization of Vacuolar Transport of the Endogenous Alkaloid Berberine in <i>Coptis japonica</i> . <i>Plant Physiology</i> , 2005, 138, 1939-1946.	2.3	115
134	From The Cover: Differential use of two cyclic electron flows around photosystem I for driving CO <sub>2</sub> -concentration mechanism in C <sub>4</sub> photosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16898-16903.	3.3	132
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