

# Masaharu Mizutani

## 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.

118  
papers

6,925  
citations

42  
h-index

82  
g-index

123  
ext. papers

8,474  
ext. citations

5.7  
avg, IF

5.66  
L-index

#	Paper	IF	Citations
118	Parallel evolution of UbiA superfamily proteins into aromatic -prenyltransferases in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	2
117	Tomato E8 Encodes a C-27 Hydroxylase in Metabolic Detoxification of $\beta$ -Tomatine during Fruit Ripening. <i>Plant and Cell Physiology</i> , <b>2021</b> , 62, 775-783	4.9	3
116	The apple gene responsible for columnar tree shape reduces the abundance of biologically active gibberellin. <i>Plant Journal</i> , <b>2021</b> , 105, 1026-1034	6.9	5
115	Identification and characterization of sorgomol synthase in sorghum strigolactone biosynthesis. <i>Plant Physiology</i> , <b>2021</b> , 185, 902-913	6.6	8
114	The biosynthetic pathway of potato solanidanes diverged from that of spirosolanes due to evolution of a dioxygenase. <i>Nature Communications</i> , <b>2021</b> , 12, 1300	17.4	10
113	Characterization of C-26 aminotransferase, indispensable for steroidal glycoalkaloid biosynthesis. <i>Plant Journal</i> , <b>2021</b> , 108, 81-92	6.9	0
112	Specific methylation of (11R)-carlactonoic acid by an Arabidopsis SABATH methyltransferase. <i>Planta</i> , <b>2021</b> , 254, 88	4.7	4
111	Columnar growth phenotype in apple results from gibberellin deficiency by ectopic expression of a dioxygenase gene. <i>Tree Physiology</i> , <b>2020</b> , 40, 1205-1216	4.2	6
110	?????????????????. <i>Kagaku To Seibutsu</i> , <b>2020</b> , 58, 628-634	0	
109	Hatching stimulation activity of steroidal glycoalkaloids toward the potato cyst nematode,. <i>Plant Biotechnology</i> , <b>2020</b> , 37, 319-325	1.3	6
108	Targeted genome editing in tetraploid potato through transient TALEN expression by infection. <i>Plant Biotechnology</i> , <b>2020</b> , 37, 205-211	1.3	9
107	Identification of $\beta$ -Tomatine 23-Hydroxylase Involved in the Detoxification of a Bitter Glycoalkaloid. <i>Plant and Cell Physiology</i> , <b>2020</b> , 61, 21-28	4.9	10
106	Conversion of methyl carlactonoate to heliolactone in sunflower. <i>Natural Product Research</i> , <b>2020</b> , 1-8	2.3	5
105	CYP722C from <i>Gossypium arboreum</i> catalyzes the conversion of carlactonoic acid to 5-deoxystrigol. <i>Planta</i> , <b>2020</b> , 251, 97	4.7	29
104	Structural insights into a key step of brassinosteroid biosynthesis and its inhibition. <i>Nature Plants</i> , <b>2019</b> , 5, 589-594	11.5	23
103	Functional specialization of UDP-glycosyltransferase 73P12 in licorice to produce a sweet triterpenoid saponin, glycyrrhizin. <i>Plant Journal</i> , <b>2019</b> , 99, 1127-1143	6.9	29
102	How does Bewitch its hosts?. <i>Plant Signaling and Behavior</i> , <b>2019</b> , 14, 1605810	2.5	2

101	Identification of a 3 $\beta$ -Hydroxysteroid Dehydrogenase/ 3-Ketosteroid Reductase Involved in $\beta$ -Tomatine Biosynthesis in Tomato. <i>Plant and Cell Physiology</i> , <b>2019</b> , 60, 1304-1315	4.9	16
100	Aberrant protein phosphatase 2C leads to abscisic acid insensitivity and high transpiration in parasitic Striga. <i>Nature Plants</i> , <b>2019</b> , 5, 258-262	11.5	19
99	Efficient genome engineering using Platinum TALEN in potato. <i>Plant Biotechnology</i> , <b>2019</b> , 36, 167-173	1.3	22
98	Characterization of steroid 5 $\beta$ -Reductase involved in $\beta$ -Tomatine biosynthesis in tomatoes. <i>Plant Biotechnology</i> , <b>2019</b> , 36, 253-263	1.3	9
97	Direct conversion of carlactonoic acid to orobanchol by cytochrome P450 CYP722C in strigolactone biosynthesis. <i>Science Advances</i> , <b>2019</b> , 5, eaax9067	14.3	52
96	Synthesis and inhibitory activity of mechanism-based 4-coumaroyl-CoA ligase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 2466-2474	3.4	6
95	JRE4 is a master transcriptional regulator of defense-related steroidal glycoalkaloids in tomato. <i>Plant Journal</i> , <b>2018</b> , 94, 975-990	6.9	42
94	Evidence for species-dependent biosynthetic pathways for converting carlactone to strigolactones in plants. <i>Journal of Experimental Botany</i> , <b>2018</b> , 69, 2305-2318	7	31
93	Generation of $\beta$ -olanine-free hairy roots of potato by CRISPR/Cas9 mediated genome editing of the St16DOX gene. <i>Plant Physiology and Biochemistry</i> , <b>2018</b> , 131, 70-77	5.4	86
92	Formation of a Methyleneedioxy Bridge in (+)-Epipinoresinol by CYP81Q3 Corroborates with Diastereomeric Specialization in Sesame Lignans. <i>Plant and Cell Physiology</i> , <b>2018</b> , 59, 2278-2287	4.9	6
91	Stereospecific reduction of the butenolide in strigolactones in plants. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 4225-4233	3.4	4
90	Bioconversion of 5-deoxystrigol stereoisomers to monohydroxylated strigolactones by plants. <i>Journal of Pesticide Sciences</i> , <b>2018</b> , 43, 198-206	2.7	13
89	Transcriptome analysis of treated with green leaf volatiles: possible role of green leaf volatiles as self-made damage-associated molecular patterns. <i>Journal of Pesticide Sciences</i> , <b>2018</b> , 43, 207-213	2.7	8
88	Jasmonate-induced biosynthesis of steroidal glycoalkaloids depends on COI1 proteins in tomato. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 489, 206-210	3.4	24
87	Insights into Land Plant Evolution Garnered from the Marchantia polymorpha Genome. <i>Cell</i> , <b>2017</b> , 171, 287-304.e15	56.2	538
86	Novel steroidal saponins from Dioscorea esculenta (Togedokoro). <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2017</b> , 81, 2253-2260	2.1	5
85	A Dioxygenase Catalyzes Steroid 16 $\beta$ -Hydroxylation in Steroidal Glycoalkaloid Biosynthesis. <i>Plant Physiology</i> , <b>2017</b> , 175, 120-133	6.6	37
84	Essential role of the PSI-LHCII supercomplex in photosystem acclimation to light and/or heat conditions by state transitions. <i>Photosynthesis Research</i> , <b>2017</b> , 131, 41-50	3.7	4

83	Oxidative rearrangement of (+)-sesamin by CYP92B14 co-generates twin dietary lignans in sesame. <i>Nature Communications</i> , <b>2017</b> , 8, 2155	17.4	22
82	Phosphonate-based irreversible inhibitors of human $\gamma$ -glutamyl transpeptidase (GGT). GGsTop is a non-toxic and highly selective inhibitor with critical electrostatic interaction with an active-site residue Lys562 for enhanced inhibitory activity. <i>Bioorganic and Medicinal Chemistry</i> , <b>2016</b> , 24, 5340-5352	3.4	24
81	Two Cytochrome P450 Monooxygenases Catalyze Early Hydroxylation Steps in the Potato Steroid Glycoalkaloid Biosynthetic Pathway. <i>Plant Physiology</i> , <b>2016</b> , 171, 2458-67	6.6	49
80	Identification of (Z)-3:(E)-2-Hexenal Isomerases Essential to the Production of the Leaf Aldehyde in Plants. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 14023-14033	5.4	35
79	Volatile Glycosylation in Tea Plants: Sequential Glycosylations for the Biosynthesis of Aroma $\beta$ -Primeverosides Are Catalyzed by Two <i>Camellia sinensis</i> Glycosyltransferases. <i>Plant Physiology</i> , <b>2015</b> , 168, 464-77	6.6	86
78	Regioselective and stereospecific hydroxylation of GR24 by <i>Sorghum bicolor</i> and evaluation of germination inducing activities of hydroxylated GR24 stereoisomers toward seeds of <i>Striga</i> species. <i>Bioorganic and Medicinal Chemistry</i> , <b>2015</b> , 23, 6100-10	3.4	6
77	Identification of furostanol glycoside 26-O- $\beta$ -glucosidase involved in steroidal saponin biosynthesis from <i>Dioscorea esculenta</i> . <i>Plant Biotechnology</i> , <b>2015</b> , 32, 299-308	1.3	8
76	Reactive short-chain leaf volatiles act as powerful inducers of abiotic stress-related gene expression. <i>Scientific Reports</i> , <b>2015</b> , 5, 8030	4.9	71
75	Heliolactone, a non-sesquiterpene lactone germination stimulant for root parasitic weeds from sunflower. <i>Phytochemistry</i> , <b>2014</b> , 108, 122-8	4	89
74	Crystal structures of $\beta$ -primeverosidase in complex with disaccharide amidine inhibitors. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 16826-34	5.4	12
73	Evolution and diversity of the 2-oxoglutarate-dependent dioxygenase superfamily in plants. <i>Plant Journal</i> , <b>2014</b> , 78, 328-43	6.9	180
72	Mode-of-action and evolution of methylenedioxy bridge forming P450s in plant specialized metabolism. <i>Plant Biotechnology</i> , <b>2014</b> , 31, 493-503	1.3	7
71	Expansion of specialized metabolism-related superfamily genes via whole genome duplications during angiosperm evolution. <i>Plant Biotechnology</i> , <b>2014</b> , 31, 579-584	1.3	4
70	Regulation of photochemical energy transfer accompanied by structural changes in thylakoid membranes of heat-stressed wheat. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 23042-58	6.3	12
69	The bioconversion of 5-deoxystrigol to sorgomol by the sorghum, <i>Sorghum bicolor</i> (L.) Moench. <i>Phytochemistry</i> , <b>2013</b> , 93, 41-8	4	24
68	Structural requirements of strigolactones for germination induction and inhibition of <i>Striga gesnerioides</i> seeds. <i>Plant Cell Reports</i> , <b>2013</b> , 32, 829-38	5.1	46
67	Abscinazole-E2B, a practical and selective inhibitor of ABA 8 $\alpha$ -hydroxylase CYP707A. <i>Bioorganic and Medicinal Chemistry</i> , <b>2012</b> , 20, 3162-72	3.4	20
66	A conformationally restricted uniconazole analogue as a specific inhibitor of rice ent-kaurene oxidase, CYP701A6. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 3240-3	2.9	6

65	Molecular cloning and functional analysis of the ortho-hydroxylases of p-coumaroyl coenzyme A/feruloyl coenzyme A involved in formation of umbelliferone and scopoletin in sweet potato, <i>Ipomoea batatas</i> (L.) Lam. <i>Phytochemistry</i> , <b>2012</b> , 74, 49-57	4	28
64	A 2-oxoglutarate-dependent dioxygenase from <i>Ruta graveolens</i> L. exhibits p-coumaroyl CoA 2-hydroxylase activity (C2H): a missing step in the synthesis of umbelliferone in plants. <i>Plant Journal</i> , <b>2012</b> , 70, 460-70	6.9	62
63	Impacts of diversification of cytochrome P450 on plant metabolism. <i>Biological and Pharmaceutical Bulletin</i> , <b>2012</b> , 35, 824-32	2.3	81
62	CYP90A1/CPD, a brassinosteroid biosynthetic cytochrome P450 of <i>Arabidopsis</i> , catalyzes C-3 oxidation. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 31551-60	5.4	96
61	Sterol C22-Desaturase and Its Biological Roles <b>2012</b> , 381-391		1
60	Damage to photosystem II due to heat stress without light-driven electron flow: involvement of enhanced introduction of reducing power into thylakoid membranes. <i>Planta</i> , <b>2012</b> , 236, 753-61	4.7	42
59	Dehydration tolerance in apple seedlings is affected by an inhibitor of ABA 8-hydroxylase CYP707A. <i>Journal of Plant Physiology</i> , <b>2012</b> , 169, 234-41	3.6	39
58	Rice CYP90D2 and CYP90D3 catalyze C-23 hydroxylation of brassinosteroids <i>in vitro</i> . <i>Plant Physiology and Biochemistry</i> , <b>2012</b> , 58, 220-6	5.4	27
57	Chloroplastic NADPH-dependent alkenal/one oxidoreductase contributes to the detoxification of reactive carbonyls produced under oxidative stress. <i>FEBS Letters</i> , <b>2012</b> , 586, 1208-13	3.8	42
56	Ent-2-epi-Orobanchol and its acetate, as germination stimulants for <i>Striga gesnerioides</i> seeds isolated from cowpea and red clover. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 10485-90	5.7	73
55	Unusual P450 reactions in plant secondary metabolism. <i>Archives of Biochemistry and Biophysics</i> , <b>2011</b> , 507, 194-203	4.1	128
54	Rice CYP734As function as multisubstrate and multifunctional enzymes in brassinosteroid catabolism. <i>Plant Journal</i> , <b>2011</b> , 67, 1-12	6.9	44
53	Triterpene functional genomics in licorice for identification of CYP72A154 involved in the biosynthesis of glycyrrhizin. <i>Plant Cell</i> , <b>2011</b> , 23, 4112-23	11.6	211
52	Structural requirements of strigolactones for germination induction of <i>Striga gesnerioides</i> seeds. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 9226-31	5.7	32
51	CYP716A subfamily members are multifunctional oxidases in triterpenoid biosynthesis. <i>Plant and Cell Physiology</i> , <b>2011</b> , 52, 2050-61	4.9	190
50	Abscinazole-E1, a novel chemical tool for exploring the role of ABA 8-hydroxylase CYP707A. <i>Bioorganic and Medicinal Chemistry</i> , <b>2011</b> , 19, 406-13	3.4	10
49	Synthesis and biological activity of amino acid conjugates of abscisic acid. <i>Bioorganic and Medicinal Chemistry</i> , <b>2011</b> , 19, 1743-50	3.4	9
48	NADPH-dependent reductases involved in the detoxification of reactive carbonyls in plants. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 6999-7009	5.4	125

47	Sekiguchi lesion gene encodes a cytochrome P450 monooxygenase that catalyzes conversion of tryptamine to serotonin in rice. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 11308-13	5.4	139
46	Diversification of P450 genes during land plant evolution. <i>Annual Review of Plant Biology</i> , <b>2010</b> , 61, 291-315	3.5	255
45	Selectivity improvement of an azole inhibitor of CYP707A by replacing the monosubstituted azole with a disubstituted azole. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 5506-9	2.9	6
44	Highly sensitive and high-throughput analysis of plant hormones using MS-probe modification and liquid chromatography-tandem mass spectrometry: an application for hormone profiling in <i>Oryza sativa</i> . <i>Plant and Cell Physiology</i> , <b>2009</b> , 50, 1201-14	4.9	336
43	Enlarged analogues of uniconazole, new azole containing inhibitors of ABA 8 $\alpha$ -hydroxylase CYP707A. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 5782-6	2.9	14
42	Insights into the function and evolution of P450s in plant steroid metabolism. <i>Phytochemistry</i> , <b>2009</b> , 70, 1918-29	4	64
41	Abscinazole-F1, a conformationally restricted analogue of the plant growth retardant uniconazole and an inhibitor of ABA 8 $\alpha$ -hydroxylase CYP707A with no growth-retardant effect. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 6620-30	3.4	22
40	Scopoletin is biosynthesized via ortho-hydroxylation of feruloyl CoA by a 2-oxoglutarate-dependent dioxygenase in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , <b>2008</b> , 55, 989-99	6.9	143
39	Brz220 interacts with DWF4, a cytochrome P450 monooxygenase in brassinosteroid biosynthesis, and exerts biological activity. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2008</b> , 72, 7-12	2.1	25
38	Licorice beta-amyrin 11-oxidase, a cytochrome P450 with a key role in the biosynthesis of the triterpene sweetener glycyrrhizin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 14204-9	11.5	280
37	Characterization of <i>Arabidopsis thaliana</i> pinoreosinol reductase, a new type of enzyme involved in lignan biosynthesis. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 15550-7	5.4	92
36	Expression and biochemical characterization of beta-primeverosidase and application of beta-primeverosylamidine to affinity purification. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2008</b> , 72, 376-83	2.1	3
35	Computational and experimental analyses of furcatin hydrolase for substrate specificity studies of disaccharide-specific glycosidases. <i>Journal of Biochemistry</i> , <b>2008</b> , 144, 467-75	3.1	8
34	Biosynthetic origin of the 1-oxygen of umbelliferone in the root tissue of sweet potato. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , <b>2008</b> , 63, 687-90	1.7	2
33	At5g54160 gene encodes <i>Arabidopsis thaliana</i> 5-hydroxyconiferaldehyde O-methyltransferase. <i>Journal of Wood Science</i> , <b>2008</b> , 54, 312-317	2.4	35
32	Structure-activity relationship of uniconazole, a potent inhibitor of ABA 8 $\alpha$ -hydroxylase, with a focus on hydrophilic functional groups and conformation. <i>Bioorganic and Medicinal Chemistry</i> , <b>2008</b> , 16, 3141-52	3.4	18
31	Chemical profiling and gene expression profiling during the manufacturing process of Taiwan oolong tea "Oriental Beauty". <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2007</b> , 71, 1476-86	2.1	77
30	Asymmetrical ligand binding by abscisic acid 8 $\alpha$ -hydroxylase. <i>Bioorganic and Medicinal Chemistry</i> , <b>2007</b> , 15, 6311-22	3.4	9

29	Effect of the minor ABA metabolite 7 $\beta$ -hydroxy-ABA on Arabidopsis ABA 8 $\beta$ -hydroxylase CYP707A3. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 4977-81	2.9	6
28	Vicianin hydrolase is a novel cyanogenic beta-glycosidase specific to beta-vicianoside (6-O-alpha-L-arabinopyranosyl-beta-D-glucopyranoside) in seeds of <i>Vicia angustifolia</i> . <i>Plant and Cell Physiology</i> , <b>2007</b> , 48, 938-47	4.9	26
27	Accumulation of coumarins in Arabidopsis thaliana. <i>Phytochemistry</i> , <b>2006</b> , 67, 379-86	4	110
26	Tomato cytochrome P450 CYP734A7 functions in brassinosteroid catabolism. <i>Phytochemistry</i> , <b>2006</b> , 67, 1895-906	4	58
25	A new non-azole inhibitor of ABA 8 $\beta$ -hydroxylase: effect of the hydroxyl group substituted for geminal methyl groups in the six-membered ring. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2006</b> , 16, 3302-5	2.9	15
24	CYP724B2 and CYP90B3 function in the early C-22 hydroxylation steps of brassinosteroid biosynthetic pathway in tomato. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2006</b> , 70, 2071-80	2.1	55
23	C-23 hydroxylation by Arabidopsis CYP90C1 and CYP90D1 reveals a novel shortcut in brassinosteroid biosynthesis. <i>Plant Cell</i> , <b>2006</b> , 18, 3275-88	11.6	150
22	Cytochrome P450 CYP710A encodes the sterol C-22 desaturase in Arabidopsis and tomato. <i>Plant Cell</i> , <b>2006</b> , 18, 1008-22	11.6	115
21	A plant growth retardant, uniconazole, is a potent inhibitor of ABA catabolism in Arabidopsis. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2006</b> , 70, 1731-9	2.1	88
20	Arabidopsis CYP90B1 catalyses the early C-22 hydroxylation of C27, C28 and C29 sterols. <i>Plant Journal</i> , <b>2006</b> , 45, 765-74	6.9	126
19	Erect leaves caused by brassinosteroid deficiency increase biomass production and grain yield in rice. <i>Nature Biotechnology</i> , <b>2006</b> , 24, 105-9	44.5	460
18	ABA 8 $\beta$ -hydroxylase and its chemical inhibitors. <i>Phytochemistry Reviews</i> , <b>2006</b> , 5, 385-404	7.7	16
17	Differences between the structural requirements for ABA 8 $\beta$ -hydroxylase inhibition and for ABA activity. <i>Bioorganic and Medicinal Chemistry</i> , <b>2005</b> , 13, 3359-70	3.4	30
16	Chemical regulation of abscisic acid catabolism in plants by cytochrome P450 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2005</b> , 13, 4491-8	3.4	75
15	A lead compound for the development of ABA 8 $\beta$ -hydroxylase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 5226-9	2.9	10
14	Redundancy or flexibility: molecular diversity of the electron transfer components for P450 monooxygenases in higher plants. <i>Frontiers in Bioscience - Landmark</i> , <b>2004</b> , 9, 1587-97	2.8	11
13	Furcatin hydrolase from <i>Viburnum furcatum</i> Blume is a novel disaccharide-specific acuminosidase in glycosyl hydrolase family 1. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 23405-14	5.4	21
12	Arabidopsis CYP707As encode (+)-abscisic acid 8 $\beta$ -hydroxylase, a key enzyme in the oxidative catabolism of abscisic acid. <i>Plant Physiology</i> , <b>2004</b> , 134, 1439-49	6.6	414

11	Triadimefon, a fungicidal triazole-type P450 inhibitor, induces brassinosteroid deficiency-like phenotypes in plants and binds to DWF4 protein in the brassinosteroid biosynthesis pathway. <i>Biochemical Journal</i> , <b>2003</b> , 369, 71-6	3.8	36
10	Identification and molecular characterization of mitochondrial ferredoxins and ferredoxin reductase from Arabidopsis. <i>Plant Molecular Biology</i> , <b>2003</b> , 52, 817-30	4.6	25
9	Beta-glycosylamidine as a ligand for affinity chromatography tailored to the glycon substrate specificity of beta-glycosidases. <i>Carbohydrate Research</i> , <b>2003</b> , 338, 1477-90	2.9	15
8	Diglycoside-specific glycosidases. <i>Methods in Enzymology</i> , <b>2003</b> , 363, 444-59	1.7	4
7	Cloning of beta-primeverosidase from tea leaves, a key enzyme in tea aroma formation. <i>Plant Physiology</i> , <b>2002</b> , 130, 2164-76	6.6	113
6	Brain-derived neurotrophic factor promotes interaction of the Nck2 adaptor protein with the TrkB tyrosine kinase receptor. <i>Biochemical and Biophysical Research Communications</i> , <b>2002</b> , 294, 1087-92	3.4	9
5	Selective interaction of triazole derivatives with DWF4, a cytochrome P450 monooxygenase of the brassinosteroid biosynthetic pathway, correlates with brassinosteroid deficiency in planta. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 25687-91	5.4	132
4	Substrate specificity of beta-primeverosidase, a key enzyme in aroma formation during oolong tea and black tea manufacturing. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2001</b> , 65, 2719-29	2.1	65
3	Analysis of tyrosine phosphorylation-dependent protein-protein interactions in TrkB-mediated intracellular signaling using modified yeast two-hybrid system. <i>Journal of Biochemistry</i> , <b>2001</b> , 130, 157-63	3.1	18
2	Microsomal electron transfer in higher plants: cloning and heterologous expression of NADH-cytochrome b5 reductase from Arabidopsis. <i>Plant Physiology</i> , <b>1999</b> , 119, 353-62	6.6	55
1	Two isoforms of NADPH:cytochrome P450 reductase in Arabidopsis thaliana. Gene structure, heterologous expression in insect cells, and differential regulation. <i>Plant Physiology</i> , <b>1998</b> , 116, 357-67	6.6	124