

Kyoungwhan Back

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.

124
papers

5,256
citations

44
h-index

68
g-index

128
ext. papers

6,356
ext. citations

6.5
avg, IF

6.5
L-index

#	Paper	IF	Citations
124	Exogenous Gibberellin Treatment Enhances Melatonin Synthesis for Melatonin-Enriched Rice Production.. <i>Biomolecules</i> , 2022 , 12,	5.9	1
123	Functional Characterization of Serotonin -Acetyltransferase in Archaeon .. <i>Antioxidants</i> , 2022 , 11,	7.1	3
122	Phytomelatonin as a signaling molecule for protein quality control via chaperone, autophagy, and ubiquitin-proteasome systems in plants.. <i>Journal of Experimental Botany</i> , 2022 ,	7	5
121	Molecular Regulation of Antioxidant Melatonin Biosynthesis by Brassinosteroid Acting as an Endogenous Elicitor of Melatonin Induction in Rice Seedlings. <i>Antioxidants</i> , 2022 , 11, 918	7.1	1
120	Strategies to generate melatonin-enriched transgenic rice to respond to the adverse effects on rice production potentially caused by global warming. <i>Melatonin Research</i> , 2021 , 4, 501-506	5.1	4
119	2-Hydroxymelatonin, Rather Than Melatonin, Is Responsible for RBOH-Dependent Reactive Oxygen Species Production Leading to Premature Senescence in Plants. <i>Antioxidants</i> , 2021 , 10,	7.1	3
118	Melatonin Regulates Chloroplast Protein Quality Control via a Mitogen-Activated Protein Kinase Signaling Pathway. <i>Antioxidants</i> , 2021 , 10,	7.1	7
117	Melatonin metabolism, signaling and possible roles in plants. <i>Plant Journal</i> , 2021 , 105, 376-391	6.9	36
116	Suppression of Rice Cryptochrome 1b Decreases Both Melatonin and Expression of Brassinosteroid Biosynthetic Genes Resulting in Salt Tolerance. <i>Molecules</i> , 2021 , 26,	4.8	3
115	Simultaneous Suppression of Two Distinct Serotonin -Acetyltransferase Isozymes by RNA Interference Leads to Severe Decreases in Melatonin and Accelerated Seed Deterioration in Rice. <i>Biomolecules</i> , 2020 , 10,	5.9	13
114	Effects of Light Quality and Phytochrome Form on Melatonin Biosynthesis in Rice. <i>Biomolecules</i> , 2020 , 10,	5.9	7
113	Rice N-acetylserotonin deacetylase regulates melatonin levels in transgenic rice. <i>Melatonin Research</i> , 2020 , 3, 32-42	5.1	4
112	The phytomelatonin receptor (PMRT1) Arabidopsis Cand2 is not a bona fide G protein-coupled melatonin receptor. <i>Melatonin Research</i> , 2020 , 3, 177-186	5.1	20
111	Suppression of Melatonin 2-Hydroxylase Increases Melatonin Production Leading to the Enhanced Abiotic Stress Tolerance against Cadmium, Senescence, Salt, and Tunicamycin in Rice Plants. <i>Biomolecules</i> , 2019 , 9,	5.9	17
110	Knockout of Serotonin -Acetyltransferase-2 Reduces Melatonin Levels and Delays Flowering. <i>Biomolecules</i> , 2019 , 9,	5.9	27
109	Melatonin Deficiency Confers Tolerance to Multiple Abiotic Stresses in Rice via Decreased Brassinosteroid Levels. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	17
108	Cyclic 3-hydroxymelatonin exhibits diurnal rhythm and cyclic 3-hydroxymelatonin overproduction increases secondary tillers in rice by upregulating MOC1 expression. <i>Melatonin Research</i> , 2019 , 2, 120-138	5.1	8

107	2-Hydroxymelatonin confers tolerance against combined cold and drought stress in tobacco, tomato, and cucumber as a potent anti-stress compound in the evolution of land plants. <i>Melatonin Research</i> , 2019 , 2, 35-46	5.1	21
106	Melatonin-deficient rice plants show a common semidwarf phenotype either dependent or independent of brassinosteroid biosynthesis. <i>Journal of Pineal Research</i> , 2019 , 66, e12537	10.4	26
105	Melatonin is involved in skotomorphogenesis by regulating brassinosteroid biosynthesis in rice plants. <i>Journal of Pineal Research</i> , 2018 , 65, e12495	10.4	43
104	Rice histone deacetylase 10 and Arabidopsis histone deacetylase 14 genes encode N-acetylserotonin deacetylase, which catalyzes conversion of N-acetylserotonin into serotonin, a reverse reaction for melatonin biosynthesis in plants. <i>Journal of Pineal Research</i> , 2018 , 64, e12460	10.4	32
103	Melatonin plays a pivotal role in conferring tolerance against endoplasmic reticulum stress via mitogen-activated protein kinases and bZIP60 in Arabidopsis thaliana. <i>Melatonin Research</i> , 2018 , 1, 94-108	5.1	22
102	Melatonin induction and its role in high light stress tolerance in Arabidopsis thaliana. <i>Journal of Pineal Research</i> , 2018 , 65, e12504	10.4	32
101	Flavonoids inhibit both rice and sheep serotonin N-acetyltransferases and reduce melatonin levels in plants. <i>Journal of Pineal Research</i> , 2018 , 65, e12512	10.4	21
100	Overexpression of rice serotonin N-acetyltransferase 1 in transgenic rice plants confers resistance to cadmium and senescence and increases grain yield. <i>Journal of Pineal Research</i> , 2017 , 62, e12392	10.4	90
99	Chloroplast overexpression of rice caffeic acid O-methyltransferase increases melatonin production in chloroplasts via the 5-methoxytryptamine pathway in transgenic rice plants. <i>Journal of Pineal Research</i> , 2017 , 63, e12412	10.4	49
98	Cadmium Disrupts Subcellular Organelles, Including Chloroplasts, Resulting in Melatonin Induction in Plants. <i>Molecules</i> , 2017 , 22,	4.8	22
97	Cadmium-induced melatonin synthesis in rice requires light, hydrogen peroxide, and nitric oxide: Key regulatory roles for tryptophan decarboxylase and caffeic acid O-methyltransferase. <i>Journal of Pineal Research</i> , 2017 , 63, e12441	10.4	45
96	Melatonin is required for H ₂ O ₂ - and NO-mediated defense signaling through MAPKKK3 and OXI1 in Arabidopsis thaliana. <i>Journal of Pineal Research</i> , 2017 , 62, e12379	10.4	86
95	2-Hydroxymelatonin, a Predominant Hydroxylated Melatonin Metabolite in Plants, Shows Antitumor Activity against Human Colorectal Cancer Cells. <i>Molecules</i> , 2017 , 22,	4.8	15
94	Molecular cloning of melatonin 3-hydroxylase and its production of cyclic 3-hydroxymelatonin in rice (<i>Oryza sativa</i>). <i>Journal of Pineal Research</i> , 2016 , 61, 470-478	10.4	31
93	Melatonin production in Escherichia coli by dual expression of serotonin N-acetyltransferase and caffeic acid O-methyltransferase. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 6683-6691	5.7	23
92	Cloning and characterization of the serotonin N-acetyltransferase-2 gene (SNAT2) in rice (<i>Oryza sativa</i>). <i>Journal of Pineal Research</i> , 2016 , 61, 198-207	10.4	44
91	2-Hydroxymelatonin promotes the resistance of rice plant to multiple simultaneous abiotic stresses (combined cold and drought). <i>Journal of Pineal Research</i> , 2016 , 61, 303-16	10.4	53
90	Mitogen-activated protein kinase pathways are required for melatonin-mediated defense responses in plants. <i>Journal of Pineal Research</i> , 2016 , 60, 327-35	10.4	85

89	Low melatonin production by suppression of either serotonin N-acetyltransferase or N-acetylserotonin methyltransferase in rice causes seedling growth retardation with yield penalty, abiotic stress susceptibility, and enhanced coleoptile growth under anoxic conditions. <i>Journal of Pineal Research</i> , 2016 , 60, 348-59	10.4	66
88	Melatonin biosynthesis in plants: multiple pathways catalyze tryptophan to melatonin in the cytoplasm or chloroplasts. <i>Journal of Pineal Research</i> , 2016 , 61, 426-437	10.4	187
87	On the significance of an alternate pathway of melatonin synthesis via 5-methoxytryptamine: comparisons across species. <i>Journal of Pineal Research</i> , 2016 , 61, 27-40	10.4	150
86	Cloning and functional characterization of the Arabidopsis N-acetylserotonin O-methyltransferase responsible for melatonin synthesis. <i>Journal of Pineal Research</i> , 2016 , 60, 65-73	10.4	71
85	Melatonin biosynthesis requires N-acetylserotonin methyltransferase activity of caffeic acid O-methyltransferase in rice. <i>Journal of Experimental Botany</i> , 2015 , 66, 6917-25	7	76
84	Coordinated regulation of melatonin synthesis and degradation genes in rice leaves in response to cadmium treatment. <i>Journal of Pineal Research</i> , 2015 , 58, 470-8	10.4	94
83	Chloroplastic and cytoplasmic overexpression of sheep serotonin N-acetyltransferase in transgenic rice plants is associated with low melatonin production despite high enzyme activity. <i>Journal of Pineal Research</i> , 2015 , 58, 461-9	10.4	26
82	Chloroplast-encoded serotonin N-acetyltransferase in the red alga <i>Pyropia yezoensis</i> : gene transition to the nucleus from chloroplasts. <i>Journal of Experimental Botany</i> , 2015 , 66, 709-17	7	44
81	Predominance of 2-hydroxymelatonin over melatonin in plants. <i>Journal of Pineal Research</i> , 2015 , 59, 448-54	10.4	50
80	Molecular cloning of melatonin 2-hydroxylase responsible for 2-hydroxymelatonin production in rice (<i>Oryza sativa</i>). <i>Journal of Pineal Research</i> , 2015 , 58, 343-51	10.4	52
79	Arabidopsis serotonin N-acetyltransferase knockout mutant plants exhibit decreased melatonin and salicylic acid levels resulting in susceptibility to an avirulent pathogen. <i>Journal of Pineal Research</i> , 2015 , 58, 291-9	10.4	124
78	Arthropod Diversity and Community Structure in Fields of Non-genetically Modified (GM) and Herbicide-tolerant GM Rice. <i>Korean Journal of Applied Entomology</i> , 2015 , 335-343		1
77	Melatonin synthesis in rice seedlings in vivo is enhanced at high temperatures and under dark conditions due to increased serotonin N-acetyltransferase and N-acetylserotonin methyltransferase activities. <i>Journal of Pineal Research</i> , 2014 , 56, 189-95	10.4	120
76	Elevated production of melatonin in transgenic rice seeds expressing rice tryptophan decarboxylase. <i>Journal of Pineal Research</i> , 2014 , 56, 275-82	10.4	78
75	Caffeic acid O-methyltransferase is involved in the synthesis of melatonin by methylating N-acetylserotonin in Arabidopsis. <i>Journal of Pineal Research</i> , 2014 , 57, 219-27	10.4	97
74	Cloning of Arabidopsis serotonin N-acetyltransferase and its role with caffeic acid O-methyltransferase in the biosynthesis of melatonin in vitro despite their different subcellular localizations. <i>Journal of Pineal Research</i> , 2014 , 57, 418-26	10.4	87
73	Overexpression of a defensin enhances resistance to a fruit-specific anthracnose fungus in pepper. <i>PLoS ONE</i> , 2014 , 9, e97936	3.7	36
72	Developmentally regulated sesquiterpene production confers resistance to <i>Colletotrichum gloeosporioides</i> in ripe pepper fruits. <i>PLoS ONE</i> , 2014 , 9, e109453	3.7	9

71	Melatonin as a signal molecule triggering defense responses against pathogen attack in Arabidopsis and tobacco. <i>Journal of Pineal Research</i> , 2014 , 57, 262-8	10.4	158
70	An increase in melatonin in transgenic rice causes pleiotropic phenotypes, including enhanced seedling growth, delayed flowering, and low grain yield. <i>Journal of Pineal Research</i> , 2014 , 56, 408-14	10.4	108
69	Cellular localization and kinetics of the rice melatonin biosynthetic enzymes SNAT and ASMT. <i>Journal of Pineal Research</i> , 2014 , 56, 107-14	10.4	105
68	Increased expression of Fe-chelatase leads to increased metabolic flux into heme and confers protection against photodynamically induced oxidative stress. <i>Plant Molecular Biology</i> , 2014 , 86, 271-87	4.6	33
67	Cloning and characterization of a serotonin N-acetyltransferase from a gymnosperm, loblolly pine (<i>Pinus taeda</i>). <i>Journal of Pineal Research</i> , 2014 , 57, 348-55	10.4	32
66	A rice chloroplast transit peptide sequence does not alter the cytoplasmic localization of sheep serotonin N-acetyltransferase expressed in transgenic rice plants. <i>Journal of Pineal Research</i> , 2014 , 57, 147-54	10.4	16
65	Kinetic analysis of purified recombinant rice N-acetylserotonin methyltransferase and peak melatonin production in etiolated rice shoots. <i>Journal of Pineal Research</i> , 2013 , 54, 139-44	10.4	46
64	Rice P450 reductases differentially affect P450-mediated metabolism in bacterial expression systems. <i>Bioprocess and Biosystems Engineering</i> , 2013 , 36, 325-31	3.7	9
63	Functional analyses of three ASMT gene family members in rice plants. <i>Journal of Pineal Research</i> , 2013 , 55, 409-15	10.4	78
62	Microarray analysis of genes differentially expressed in melatonin-rich transgenic rice expressing a sheep serotonin N-acetyltransferase. <i>Journal of Pineal Research</i> , 2013 , 55, 357-63	10.4	54
61	Transcriptional suppression of tryptamine 5-hydroxylase, a terminal serotonin biosynthetic gene, induces melatonin biosynthesis in rice (<i>Oryza sativa</i> L.). <i>Journal of Pineal Research</i> , 2013 , 55, 131-7	10.4	43
60	Melatonin-rich transgenic rice plants exhibit resistance to herbicide-induced oxidative stress. <i>Journal of Pineal Research</i> , 2013 , 54, 258-63	10.4	165
59	Molecular cloning of rice serotonin N-acetyltransferase, the penultimate gene in plant melatonin biosynthesis. <i>Journal of Pineal Research</i> , 2013 , 55, 7-13	10.4	129
58	Protoporphyrinogen Oxidase Overexpressing Transgenic Rice is Resistant to Drought Stress. <i>Crop Science</i> , 2013 , 53, 1076-1085	2.4	6
57	Molecular cloning and functional analysis of serotonin N-acetyltransferase from the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Pineal Research</i> , 2013 , 55, 371-6	10.4	65
56	Transient induction of melatonin biosynthesis in rice (<i>Oryza sativa</i> L.) during the reproductive stage. <i>Journal of Pineal Research</i> , 2013 , 55, 40-5	10.4	38
55	Fitness cost and competitive ability of transgenic herbicide-tolerant rice expressing a protoporphyrinogen oxidase gene. <i>Journal of Ecology and Environment</i> , 2013 , 36, 39-47	2	2
54	Phenotype Comparison between Herbicide Tolerant Transgenic Rice and Weedy Rice. <i>Weed & Turfgrass Science</i> , 2013 , 2, 15-22		

53	Melatonin promotes seminal root elongation and root growth in transgenic rice after germination. <i>Journal of Pineal Research</i> , 2012 , 53, 385-9	10.4	129
52	Induced tyramine overproduction in transgenic rice plants expressing a rice tyrosine decarboxylase under the control of methanol-inducible rice tryptophan decarboxylase promoter. <i>Bioprocess and Biosystems Engineering</i> , 2012 , 35, 205-10	3.7	4
51	Production of ketocarotenoids in transgenic carrot plants with an enhanced level of β -carotene. <i>Plant Biotechnology Reports</i> , 2012 , 6, 133-140	2.5	11
50	Two-year field study shows little evidence that PPO-transgenic rice affects the structure of soil microbial communities. <i>Biology and Fertility of Soils</i> , 2012 , 48, 453-461	6.1	12
49	Tryptamine 5-hydroxylase-deficient Sekiguchi rice induces synthesis of 5-hydroxytryptophan and N-acetyltryptamine but decreases melatonin biosynthesis during senescence process of detached leaves. <i>Journal of Pineal Research</i> , 2012 , 52, 211-6	10.4	88
48	Light-regulated melatonin biosynthesis in rice during the senescence process in detached leaves. <i>Journal of Pineal Research</i> , 2012 , 53, 107-11	10.4	85
47	Methanol is an endogenous elicitor molecule for the synthesis of tryptophan and tryptophan-derived secondary metabolites upon senescence of detached rice leaves. <i>Plant Journal</i> , 2011 , 66, 247-57	6.9	31
46	Molecular cloning of a plant N-acetylserotonin methyltransferase and its expression characteristics in rice. <i>Journal of Pineal Research</i> , 2011 , 50, 304-9	10.4	116
45	Tyramine accumulation in rice cells caused a dwarf phenotype via reduced cell division. <i>Planta</i> , 2011 , 233, 251-60	4.7	12
44	Gene flow from herbicide-tolerant GM rice and the heterosis of GM rice-weed F2 progeny. <i>Planta</i> , 2011 , 233, 807-15	4.7	20
43	Production of serotonin by dual expression of tryptophan decarboxylase and tryptamine 5-hydroxylase in Escherichia coli. <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 1387-94	5.7	37
42	Novel major quantitative trait loci regulating the content of isoflavone in soybean seeds. <i>Genes and Genomics</i> , 2011 , 33, 685-692	2.1	31
41	Porphyryn biosynthesis control under water stress: sustained porphyryn status correlates with drought tolerance in transgenic rice. <i>Plant Physiology</i> , 2011 , 157, 1746-64	6.6	75
40	Methanol elicits the biosynthesis of 4-coumaroylserotonin and feruloylserotonin in rice seedlings. <i>Plant Signaling and Behavior</i> , 2011 , 6, 881-3	2.5	3
39	Enhanced production of melatonin by ectopic overexpression of human serotonin N-acetyltransferase plays a role in cold resistance in transgenic rice seedlings. <i>Journal of Pineal Research</i> , 2010 , 49, 176-82	10.4	139
38	Induced synthesis of caffeoylserotonin in pepper fruits upon infection by the anthracnose fungus, Colletotrichum gloeosporioides. <i>Scientia Horticulturae</i> , 2010 , 124, 290-293	4.1	12
37	Tryptophan boost caused by senescence occurred independently of cytoplasmic glutamine synthetase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010 , 74, 2352-4	2.1	3
36	Overexpression of Rice Ferrochelatase I and II Leads to Increased Susceptibility to Oxyfluorfen Herbicide in Transgenic Rice 2010 , 53, 291-296		7

35	Cytoprotective activities of hydroxycinnamic acid amides of serotonin against oxidative stress-induced damage in HepG2 and HaCaT cells. <i>Phytotherapy Research</i> , 2010 , 81, 1134-41	3.2	20
34	Senescence-induced serotonin biosynthesis and its role in delaying senescence in rice leaves. <i>Plant Physiology</i> , 2009 , 150, 1380-93	6.6	125
33	Induction of serotonin biosynthesis is uncoupled from the coordinated induction of tryptophan biosynthesis in pepper fruits (<i>Capsicum annuum</i>) upon pathogen infection. <i>Planta</i> , 2009 , 230, 1197-206	4.7	37
32	Production of plant-specific tyramine derivatives by dual expression of tyramine N-hydroxycinnamoyltransferase and 4-coumarate:coenzyme A ligase in <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 2009 , 31, 1469-75	3	4
31	Endosperm-specific expression of tyramine N-hydroxycinnamoyltransferase and tyrosine decarboxylase from a single self-processing polypeptide produces high levels of tyramine derivatives in rice seeds. <i>Biotechnology Letters</i> , 2009 , 31, 911-5	3	10
30	Biosynthesis and biotechnological production of serotonin derivatives. <i>Applied Microbiology and Biotechnology</i> , 2009 , 83, 27-34	5.7	56
29	Production of phenylpropanoid amides in recombinant <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2009 , 11, 64-8	9.7	13
28	Ectopic expression of serotonin N-hydroxycinnamoyltransferase and differential production of phenylpropanoid amides in transgenic tomato tissues. <i>Scientia Horticulturae</i> , 2009 , 120, 504-510	4.1	11
27	Enhanced octopamine synthesis through the ectopic expression of tyrosine decarboxylase in rice plants. <i>Plant Science</i> , 2009 , 176, 46-50	5.3	12
26	Resistance pattern and antioxidant enzyme profiles of protoporphyrinogen oxidase (PROTOX) inhibitor-resistant transgenic rice. <i>Pesticide Biochemistry and Physiology</i> , 2008 , 91, 53-65	4.9	23
25	HPLC analysis of serotonin, tryptamine, tyramine, and the hydroxycinnamic acid amides of serotonin and tyramine in food vegetables. <i>Journal of Medicinal Food</i> , 2008 , 11, 385-9	2.8	76
24	Enzymatic features of serotonin biosynthetic enzymes and serotonin biosynthesis in plants. <i>Plant Signaling and Behavior</i> , 2008 , 3, 389-90	2.5	36
23	Conversion of 5-hydroxytryptophan into serotonin by tryptophan decarboxylase in plants, <i>Escherichia coli</i> , and yeast. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008 , 72, 2456-8	2.1	35
22	Toxic tetrapyrrole accumulation in protoporphyrinogen IX oxidase-overexpressing transgenic rice plants. <i>Plant Molecular Biology</i> , 2008 , 67, 535-46	4.6	48
21	Endosperm-specific expression of serotonin N-hydroxycinnamoyltransferase in rice. <i>Plant Foods for Human Nutrition</i> , 2008 , 63, 53-7	3.9	7
20	Expression of serotonin derivative synthetic genes on a single self-processing polypeptide and the production of serotonin derivatives in microbes. <i>Applied Microbiology and Biotechnology</i> , 2008 , 81, 43-9	5.7	18
19	Responses of MxPPO overexpressing transgenic tall fescue plants to two diphenyl-ether herbicides, oxyfluorfen and acifluorfen. <i>Acta Physiologiae Plantarum</i> , 2008 , 30, 745-754	2.6	13
18	Use of <i>Myxococcus xanthus</i> protoporphyrinogen oxidase as a selectable marker for transformation of rice. <i>Pesticide Biochemistry and Physiology</i> , 2007 , 88, 31-35	4.9	14

17	Characterization of rice tryptophan decarboxylases and their direct involvement in serotonin biosynthesis in transgenic rice. <i>Planta</i> , 2007 , 227, 263-72	4.7	146
16	Enhanced synthesis of feruloyltyramine and 4-coumaroyltyramine is associated with tyramine availability in transgenic rice expressing pepper tyramine N-hydroxycinnamoyltransferase. <i>Plant Science</i> , 2007 , 172, 57-63	5.3	13
15	Modifying <i>Myxococcus xanthus</i> protoporphyrinogen oxidase to plant codon usage and high level of oxyfluorfen resistance in transgenic rice. <i>Pesticide Biochemistry and Physiology</i> , 2006 , 86, 186-194	4.9	10
14	Functional analysis of the amine substrate specificity domain of pepper tyramine and serotonin N-hydroxycinnamoyltransferases. <i>Plant Physiology</i> , 2006 , 140, 704-15	6.6	33
13	Enriched production of N-hydroxycinnamic acid amides and biogenic amines in pepper (<i>Capsicum annuum</i>) flowers. <i>Scientia Horticulturae</i> , 2006 , 108, 337-341	4.1	27
12	Enhanced nutraceutical serotonin derivatives of rice seed by hydroxycinnamoyl-CoA:serotonin N-(hydroxycinnamoyl)transferase. <i>Plant Science</i> , 2005 , 168, 783-788	5.3	17
11	Herbicidal and antioxidant responses of transgenic rice overexpressing <i>Myxococcus xanthus</i> protoporphyrinogen oxidase. <i>Plant Physiology and Biochemistry</i> , 2005 , 43, 423-30	5.4	25
10	Ectopic expression of MAP kinase inhibits germination and seedling growth in transgenic rice. <i>Plant Growth Regulation</i> , 2005 , 45, 251-257	3.2	2
9	Expression of recombinant protoporphyrinogen oxidase influences growth and morphological characteristics in transgenic rice. <i>Plant Growth Regulation</i> , 2004 , 42, 283-288	3.2	4
8	Production of coumaroylserotonin and feruloylserotonin in transgenic rice expressing pepper hydroxycinnamoyl-coenzyme A:serotonin N-(hydroxycinnamoyl)transferase. <i>Plant Physiology</i> , 2004 , 135, 346-56	6.6	56
7	The characterization of transgenic rice plants expressing a pepper 5- aristolochene synthase, the first committed step enzyme for capsidiol synthesis in isoprenoid pathway. <i>Plant Science</i> , 2004 , 166, 881-887	5.3	4
6	Pathogen resistance of transgenic rice plants expressing mitogen-activated protein kinase 1, MK1, from <i>Capsicum annuum</i> . <i>Molecules and Cells</i> , 2004 , 17, 81-5	3.5	15
5	Either soluble or plastidic expression of recombinant protoporphyrinogen oxidase modulates tetrapyrrole biosynthesis and photosynthetic efficiency in transgenic rice. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003 , 67, 1472-8	2.1	8
4	Cloning and characterization of a hydroxycinnamoyl-CoA:tyramine N-(hydroxycinnamoyl)transferase induced in response to UV-C and wounding from <i>Capsicum annuum</i> . <i>Plant and Cell Physiology</i> , 2001 , 42, 475-81	4.9	53
3	Partial characterization of farnesyl and geranylgeranyl diphosphatases induced in rice seedlings by UV-C irradiation. <i>Plant and Cell Physiology</i> , 2001 , 42, 864-7	4.9	19
2	Cloning of a sesquiterpene cyclase and its functional expression by domain swapping strategy. <i>Molecules and Cells</i> , 2000 , 10, 220-5	3.5	10
1	Pre-steady-state study of recombinant sesquiterpene cyclases. <i>Biochemistry</i> , 1997 , 36, 8340-8	3.2	67