Paul Christou

List of Publications by Year
in descending order

260 papers	22,626 citations	9234 74 h-index	10127 140 g-index
267 all docs	267 docs citations	267 times ranked	13994 citing authors

#	Article	IF	Citations
1	Multilevel interactions between native and ectopic isoprenoid pathways affect global metabolism in rice. Transgenic Research, 2022, 31, 249-268.	1.3	4
2	Physicochemical characterization of the recombinant lectin scytovirin and microbicidal activity of the SD1 domain produced in rice against HIV-1. Plant Cell Reports, 2022, , 1.	2.8	3
3	Metabolic Engineering of Crocin Biosynthesis in Nicotiana Species. Frontiers in Plant Science, 2022, 13, 861140.	1.7	16
4	Development of a facile genetic transformation system for the Spanish elite rice paella genotype Bomba. Transgenic Research, 2022, 31, 325-340.	1.3	1
5	The Biosynthesis of Non-Endogenous Apocarotenoids in Transgenic Nicotiana glauca. Metabolites, 2022, 12, 575.	1.3	5
6	Fruit crops in the era of genome editing: closing the regulatory gap. Plant Cell Reports, 2021, 40, 915-930.	2.8	17
7	Engineered Maize Hybrids with Diverse Carotenoid Profiles and Potential Applications in Animal Feeding. Advances in Experimental Medicine and Biology, 2021, 1261, 95-113.	0.8	2
8	Modification of cereal plant architecture by genome editing to improve yields. Plant Cell Reports, 2021, 40, 953-978.	2.8	18
9	Î²-carotene and Bacillus thuringiensis insecticidal protein differentially modulate feeding behaviour, mortality and physiology of European corn borer (Ostrinia nubilalis). PLoS ONE, 2021, 16, e0246696.	1.1	4
10	Nitrogen inputs influence vegetative metabolism in maize engineered with a seed-specific carotenoid pathway. Plant Cell Reports, 2021, 40, 899-911.	2.8	1
11	Genome editing in fruit, ornamental, and industrial crops. Transgenic Research, 2021, 30, 499-528.	1.3	13
12	Contributions of the international plant science community to the fight against infectious diseases in humansâ€"part 2: Affordable drugs in edible plants for endemic and reâ€emerging diseases. Plant Biotechnology Journal, 2021, 19, 1921-1936.	4.1	31
13	The Coordinated Upregulated Expression of Genes Involved in MEP, Chlorophyll, Carotenoid and Tocopherol Pathways, Mirrored the Corresponding Metabolite Contents in Rice Leaves during De-Etiolation. Plants, 2021, 10, 1456.	1.6	3
14	Genome editing in cereal crops: an overview. Transgenic Research, 2021, 30, 461-498.	1.3	46
15	Preface: Genome editing in plants. Transgenic Research, 2021, 30, 317-320.	1.3	2
16	Transgenic and genome-edited fruits: background, constraints, benefits, and commercial opportunities. Horticulture Research, 2021, 8, 166.	2.9	46
17	Contributions of the international plant science community to the fight against human infectious diseases â€" part 1: epidemic and pandemic diseases. Plant Biotechnology Journal, 2021, 19, 1901-1920.	4.1	44
18	Recognition motifs rather than phylogenetic origin influence the ability of targeting peptides to import nuclear-encoded recombinant proteins into rice mitochondria. Transgenic Research, 2020, 29, 37-52.	1.3	16

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19	The subcellular localization of two isopentenyl diphosphate isomerases in rice suggests a role for the endoplasmic reticulum in isoprenoid biosynthesis. Plant Cell Reports, 2020, 39, 119-133.	2.8	14
20	Inactivation of rice starch branching enzyme IIb triggers broad and unexpected changes in metabolism by transcriptional reprogramming. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26503-26512.	3.3	45
21	Transit Peptides From Photosynthesis-Related Proteins Mediate Import of a Marker Protein Into Different Plastid Types and Within Different Species. Frontiers in Plant Science, 2020, 11, 560701.	1.7	6
22	Potential Applications of Plant Biotechnology against SARS-CoV-2. Trends in Plant Science, 2020, 25, 635-643.	4.3	135
23	The ratio of phytosiderophores nicotianamine to deoxymugenic acid controls metal homeostasis in rice. Planta, 2019, 250, 1339-1354.	1.6	9
24	CRISPR/Cas9 mutations in the rice Waxy/GBSSI gene induce allele-specific and zygosity-dependent feedback effects on endosperm starch biosynthesis. Plant Cell Reports, 2019, 38, 417-433.	2.8	45
25	A simplified technoâ€economic model for the molecular pharming of antibodies. Biotechnology and Bioengineering, 2019, 116, 2526-2539.	1.7	28
26	Applications of multiplex genome editing in higher plants. Current Opinion in Biotechnology, 2019, 59, 93-102.	3.3	78
27	Zm<scp>PBF</scp> and Zm<scp>GAMYB</scp> transcription factors independently transactivate the promoter of the maize (<i>Zea mays</i>) Î²â€carotene hydroxylase 2 gene. New Phytologist, 2019, 222, 793-804.	3.5	20
28	Iron and Zinc in the Embryo and Endosperm of Rice (Oryza sativa L.) Seeds in Contrasting 2â€²-Deoxymugineic Acid/Nicotianamine Scenarios. Frontiers in Plant Science, 2018, 9, 1190.	1.7	47
29	Unexpected synergistic HIV neutralization by a triple microbicide produced in rice endosperm. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7854-E7862.	3.3	28
30	Carotenoids moderate the effectiveness of a Bt gene against the European corn borer, Ostrinia nubilalis. PLoS ONE, 2018, 13, e0199317.	1.1	9
31	CRISPR/Cas9-induced monoallelic mutations in the cytosolic AGPase large subunit gene APL2 induce the ectopic expression of APL2 and the corresponding small subunit gene APS2b in rice leaves. Transgenic Research, 2018, 27, 423-439.	1.3	10
32	Biofortification of crops with nutrients: factors affecting utilization and storage. Current Opinion in Biotechnology, 2017, 44, 115-123.	3.3	83
33	The Arabidopsis ORANGE (AtOR) gene promotes carotenoid accumulation in transgenic corn hybrids derived from parental lines with limited carotenoid pools. Plant Cell Reports, 2017, 36, 933-945.	2.8	38
34	Phytosiderophores determine thresholds for iron and zinc accumulation in biofortified rice endosperm while inhibiting the accumulation of cadmium. Journal of Experimental Botany, 2017, 68, 4983-4995.	2.4	77
35	Reconstruction of the astaxanthin biosynthesis pathway in rice endosperm reveals a metabolic bottleneck at the level of endogenous Î²-carotene hydroxylase activity. Transgenic Research, 2017, 26, 13-23.	1.3	21
36	The expression of heterologous Fe (<scp>III</scp>) phytosiderophore transporter <i>Hv<scp>YS</scp>1</i> in rice increases Fe uptake, translocation and seed loading and excludes heavy metals by selective Fe transport. Plant Biotechnology Journal, 2017, 15, 423-432.	4.1	63

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37	Characteristics of Genome Editing Mutations in Cereal Crops. Trends in Plant Science, 2017, 22, 38-52.	4.3	122
38	The Silencing of Carotenoid Î²-Hydroxylases by RNA Interference in Different Maize Genetic Backgrounds Increases the Î²-Carotene Content of the Endosperm. International Journal of Molecular Sciences, 2017, 18, 2515.	1.8	20
39	The carotenoid cleavage dioxygenase <scp>CCD</scp>2 catalysing the synthesis of crocetin in spring crocuses and saffron is a plastidial enzyme. New Phytologist, 2016, 209, 650-663.	3.5	88
40	A carotenogenic mini-pathway introduced into white corn does not affect development or agronomic performance. Scientific Reports, 2016, 6, 38288.	1.6	12
41	Rice endosperm is costâ€effective for the production of recombinant griffithsin with potent activity against HIV. Plant Biotechnology Journal, 2016, 14, 1427-1437.	4.1	40
42	Carotenoidâ€enriched transgenic corn delivers bioavailable carotenoids to poultry and protects them against coccidiosis. Plant Biotechnology Journal, 2016, 14, 160-168.	4.1	36
43	Metabolic engineering of astaxanthin biosynthesis in maize endosperm and characterization of a prototype high oil hybrid. Transgenic Research, 2016, 25, 477-489.	1.3	44
44	Freedomâ€toâ€operate analysis of a transgenic multivitamin corn variety. Plant Biotechnology Journal, 2016, 14, 1225-1240.	4.1	9
45	Patterns of CRISPR/Cas9 activity in plants, animals and microbes. Plant Biotechnology Journal, 2016, 14, 2203-2216.	4.1	141
46	Engineered maize as a source of astaxanthin: processing and application as fish feed. Transgenic Research, 2016, 25, 785-793.	1.3	20
47	CRISPR/Cas9 activity in the rice OsBEIIb gene does not induce off-target effects in the closely related paralog OsBEIIa. Molecular Breeding, 2016, 36, 1.	1.0	45
48	The distribution of carotenoids in hens fed on biofortified maize is influenced by feed composition, absorption, resource allocation and storage. Scientific Reports, 2016, 6, 35346.	1.6	53
49	Oral intake of genetically engineered high-carotenoid corn ameliorates hepatomegaly and hepatic steatosis in PTEN haploinsufficient mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 526-535.	1.8	6
50	Identification of lineâ€specific strategies for improving carotenoid production in synthetic maize through dataâ€driven mathematical modeling. Plant Journal, 2016, 87, 455-471.	2.8	9
51	Bottlenecks in carotenoid biosynthesis and accumulation in rice endosperm are influenced by the precursorâ€"product balance. Plant Biotechnology Journal, 2016, 14, 195-205.	4.1	113
52	Rice endosperm produces an underglycosylated and potent form of the <scp>HIV</scp>â€neutralizing monoclonal antibody 2G12. Plant Biotechnology Journal, 2016, 14, 97-108.	4.1	58
53	Regulatory approval and a firstâ€inâ€human phase I clinical trial of a monoclonal antibody produced in transgenic tobacco plants. Plant Biotechnology Journal, 2015, 13, 1106-1120.	4.1	205
54	Combined transcript, proteome, and metabolite analysis of transgenic maize seeds engineered for enhanced carotenoid synthesis reveals pleotropic effects in core metabolism. Journal of Experimental Botany, 2015, 66, 3141-3150.	2.4	65

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55	Knowledge-driven approaches for engineering complex metabolic pathways in plants. Current Opinion in Biotechnology, 2015, 32, 54-60.	3.3	43
56	Nutritionally important carotenoids as consumer products. Phytochemistry Reviews, 2015, 14, 727-743.	3.1	118
57	Cloning and Functional Characterization of the Maize (Zea mays L.) Carotenoid Epsilon Hydroxylase Gene. PLoS ONE, 2015, 10, e0128758.	1.1	5
58	Introduction: Plant-Produced Protein Products. Biotechnology in Agriculture and Forestry, 2014, , 1-11.	0.2	0
59	A novel carotenoid, 4-keto-Î±-carotene, as an unexpected by-product during genetic engineering of carotenogenesis in rice callus. Phytochemistry, 2014, 98, 85-91.	1.4	17
60	Identification of carotenoids using mass spectrometry. Mass Spectrometry Reviews, 2014, 33, 353-372.	2.8	139
61	Strategic patent analysis in plant biotechnology: terpenoid indole alkaloid metabolic engineering as a case study. Plant Biotechnology Journal, 2014, 12, 117-134.	4.1	10
62	Cloning and functional analysis of the promoters that upregulate carotenogenic gene expression during flower development in <i>Gentiana lutea</i>. Physiologia Plantarum, 2014, 150, 493-504.	2.6	20
63	An <i>in vitro</i> system for the rapid functional characterization of genes involved in carotenoid biosynthesis and accumulation. Plant Journal, 2014, 77, 464-475.	2.8	63
64	Recombinant plant-derived pharmaceutical proteins: current technical and economic bottlenecks. Biotechnology Letters, 2014, 36, 2367-2379.	1.1	74
65	Can plant biotechnology help break the HIVâ€“malaria link?. Biotechnology Advances, 2014, 32, 575-582.	6.0	10
66	Engineering Complex Metabolic Pathways in Plants. Annual Review of Plant Biology, 2014, 65, 187-223.	8.6	117
67	Building bridges: an integrated strategy for sustainable food production throughout the value chain. Molecular Breeding, 2013, 32, 743-770.	1.0	28
68	Can the world afford to ignore biotechnology solutions that address food insecurity?. Plant Molecular Biology, 2013, 83, 5-19.	2.0	19
69	Abscisic acid and the herbicide safener cyprosulfamide cooperatively enhance abiotic stress tolerance in rice. Molecular Breeding, 2013, 32, 463-484.	1.0	17
70	Realising the value of plant molecular pharming to benefit the poor in developing countries and emerging economies. Plant Biotechnology Journal, 2013, 11, 1029-1033.	4.1	57
71	Efficient recovery of recombinant proteins from cereal endosperm is affected by interaction with endogenous storage proteins. Biotechnology Journal, 2013, 8, 1203-1212.	1.8	7
72	The contribution of transgenic plants to better health through improved nutrition: opportunities and constraints. Genes and Nutrition, 2013, 8, 29-41.	1.2	122

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73	Biofortification of plants with altered antioxidant content and composition: genetic engineering strategies. Plant Biotechnology Journal, 2013, 11, 129-141.	4.1	102
74	Plant genetic engineering and agricultural biotechnology 1983â€"2013. Trends in Biotechnology, 2013, 31, 125-127.	4.9	39
75	The application of GMOs in agriculture and in food production for a better nutrition: two different scientific points of view. Genes and Nutrition, 2013, 8, 255-270.	1.2	75
76	Plurality of opinion, scientific discourse and pseudoscience: an in depth analysis of the SÃ©ralini et al. study claiming that Roundupâ„¢ Ready corn or the herbicide Roundupâ„¢ cause cancer in rats. Transgenic Research, 2013, 22, 255-267.	1.3	55
77	Paradoxical EU agricultural policies on genetically engineered crops. Trends in Plant Science, 2013, 18, 312-324.	4.3	57
78	Ascorbic acid synthesis and metabolism in maize are subject to complex and genotypeâ€dependent feedback regulation during endosperm development. Biotechnology Journal, 2013, 8, 1221-1230.	1.8	16
79	Targeted transcriptomic and metabolic profiling reveals temporal bottlenecks in the maize carotenoid pathway that may be addressed by multigene engineering. Plant Journal, 2013, 75, 441-455.	2.8	27
80	Fast Quantitative Method for the Analysis of Carotenoids in Transgenic Maize. Journal of Agricultural and Food Chemistry, 2013, 61, 5279-5285.	2.4	27
81	A question of balance: achieving appropriate nutrient levels in biofortified staple crops. Nutrition Research Reviews, 2013, 26, 235-245.	2.1	20
82	Engineering metabolic pathways in plants by multigene transformation. International Journal of Developmental Biology, 2013, 57, 565-576.	0.3	38
83	Editorial (Hot Topic: From Medicinal Plants to Medicines in Plants: Plant Factories for the Production) Tj ETQq1 1 0.784314 rgBT /Overlo	0.9	6
84	Transgenic Multivitamin Biofortified Corn: Science, Regulation, and Politics. , 2013, , 335-347.		3
85	Seeds as a Production System for Molecular Pharming Applications: Status and Prospects. Current Pharmaceutical Design, 2013, 19, 5543-5552.	0.9	32
86	Metabolic Engineering of Plant Secondary Products: Which Way Forward?. Current Pharmaceutical Design, 2013, 19, 5622-5639.	0.9	58
87	Plant Cells as Pharmaceutical Factories. Current Pharmaceutical Design, 2013, 19, 5640-5660.	0.9	55
88	Mice fed on a diet enriched with genetically engineered multivitamin corn show no subâ€acute toxic effects and no subâ€chronic toxicity. Plant Biotechnology Journal, 2012, 10, 1026-1034.	4.1	15
89	Functional characterization of the recombinant HIV-neutralizing monoclonal antibody 2F5 produced in maize seeds. Plant Molecular Biology, 2012, 80, 477-488.	2.0	13
90	Functional characterization of the Gentiana lutea zeaxanthin epoxidase (GlZEP) promoter in transgenic tomato plants. Transgenic Research, 2012, 21, 1043-1056.	1.3	16

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91	Transgenic rice grains expressing a heterologous Ï•hydroxyphenylpyruvate dioxygenase shift tocopherol synthesis from the Î³ to the Î± isoform without increasing absolute tocopherol levels. Transgenic Research, 2012, 21, 1093-1097.	1.3	38
92	Combinatorial Genetic Transformation of Cereals and the Creation of Metabolic Libraries for the Carotenoid Pathway. Methods in Molecular Biology, 2012, 847, 419-435.	0.4	16
93	Constitutive expression of a barley Fe phytosiderophore transporter increases alkaline soil tolerance and results in iron partitioning between vegetative and storage tissues under stress. Plant Physiology and Biochemistry, 2012, 53, 46-53.	2.8	33
94	Field trials and tribulationsâ€"making sense of the regulations for experimental field trials of transgenic crops in Europe. Plant Biotechnology Journal, 2012, 10, 511-523.	4.1	24
95	Nutritious crops producing multiple carotenoids â€" a metabolic balancing act. Trends in Plant Science, 2011, 16, 532-540.	4.3	84
96	Synergistic metabolism in hybrid corn indicates bottlenecks in the carotenoid pathway and leads to the accumulation of extraordinary levels of the nutritionally important carotenoid zeaxanthin. Plant Biotechnology Journal, 2011, 9, 384-393.	4.1	46
97	<i>Bacillus thuringiensis</i>: a century of research, development and commercial applications. Plant Biotechnology Journal, 2011, 9, 283-300.	4.1	598
98	EU legitimizes GM crop exclusion zones. Nature Biotechnology, 2011, 29, 315-317.	9.4	39
99	High-value products from transgenic maize. Biotechnology Advances, 2011, 29, 40-53.	6.0	48
100	Simultaneous expression of Arabidopsis Ï•hydroxyphenylpyruvate dioxygenase and MPBQ methyltransferase in transgenic corn kernels triples the tocopherol content. Transgenic Research, 2011, 20, 177-181.	1.3	42
101	The potential impact of plant biotechnology on the Millennium Development Goals. Plant Cell Reports, 2011, 30, 249-265.	2.8	47
102	Nutritionally enhanced crops and food security: scientific achievements versus political expediency. Current Opinion in Biotechnology, 2011, 22, 245-251.	3.3	60
103	A golden eraâ€"pro-vitamin A enhancement in diverse crops. In Vitro Cellular and Developmental Biology - Plant, 2011, 47, 205-221.	0.9	90
104	Can Microbicides Turn the Tide Against HIV?. Current Pharmaceutical Design, 2010, 16, 468-485.	0.9	15
105	Critical evaluation of strategies for mineral fortification of staple food crops. Transgenic Research, 2010, 19, 165-180.	1.3	236
106	Molecular characterization of the Arginine decarboxylase gene family in rice. Transgenic Research, 2010, 19, 785-797.	1.3	12
107	Cloning and functional characterization of the maize carotenoid isomerase and Î²-carotene hydroxylase genes and their regulation during endosperm maturation. Transgenic Research, 2010, 19, 1053-1068.	1.3	49
108	Promoter diversity in multigene transformation. Plant Molecular Biology, 2010, 73, 363-378.	2.0	155

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109	The humanitarian impact of plant biotechnology: recent breakthroughs vs bottlenecks for adoption. Current Opinion in Plant Biology, 2010, 13, 219-225.	3.5	56
110	Transcriptional regulation of the rice arginine decarboxylase (Adc1) and S-adenosylmethionine decarboxylase (Samdc) genes by methyl jasmonate. Plant Physiology and Biochemistry, 2010, 48, 553-559.	2.8	14
111	Going to ridiculous lengthsâ€"European coexistence regulations for GM crops. Nature Biotechnology, 2010, 28, 133-136.	9.4	68
112	Travel advice on the road to carotenoids in plants. Plant Science, 2010, 179, 28-48.	1.7	151
113	When more is better: multigene engineering in plants. Trends in Plant Science, 2010, 15, 48-56.	4.3	187
114	The regulation of carotenoid pigmentation in flowers. Archives of Biochemistry and Biophysics, 2010, 504, 132-141.	1.4	149
115	Plant biotechnology: the importance of being accurate. Trends in Biotechnology, 2009, 27, 609-612.	4.9	12
116	Calling the tunes on transgenic crops: the case for regulatory harmony. Molecular Breeding, 2009, 23, 99-112.	1.0	33
117	Spermine facilitates recovery from drought but does not confer drought tolerance in transgenic rice plants expressing Datura stramonium S-adenosylmethionine decarboxylase. Plant Molecular Biology, 2009, 70, 253-264.	2.0	66
118	Metabolic engineering of ketocarotenoid biosynthesis in higher plants. Archives of Biochemistry and Biophysics, 2009, 483, 182-190.	1.4	80
119	Transgenic multivitamin corn through biofortification of endosperm with three vitamins representing three distinct metabolic pathways. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7762-7767.	3.3	457
120	Molecular pharming in cereal crops. Phytochemistry Reviews, 2008, 7, 579-592.	3.1	56
121	Transgenic wheat plants expressing an oat arginine decarboxylase cDNA exhibit increases in polyamine content in vegetative tissue and seeds. Molecular Breeding, 2008, 22, 39-50.	1.0	21
122	Stable transgenes bear fruit. Nature Biotechnology, 2008, 26, 653-654.	9.4	14
123	Trace and traceabilityâ€"a call for regulatory harmony. Nature Biotechnology, 2008, 26, 975-978.	9.4	68
124	Maize plants: An ideal production platform for effective and safe molecular pharming. Plant Science, 2008, 174, 409-419.	1.7	90
125	Molecular regulation and biotechnology of carotenoid accumulation in flowers. Journal of Biotechnology, 2008, 136, S239-S240.	1.9	0
126	Cost-effective production of a vaginal protein microbicide to prevent HIV transmission. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3727-3732.	3.3	154

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127	Combinatorial genetic transformation generates a library of metabolic phenotypes for the carotenoid pathway in maize. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18232-18237.	3.3	330
128	Transgenic strategies for the nutritional enhancement of plants. Trends in Plant Science, 2007, 12, 548-555.	4.3	232
129	The genetic manipulation of medicinal and aromatic plants. Plant Cell Reports, 2007, 26, 1689-1715.	2.8	112
130	Biosafety and risk assessment framework for selectable marker genes in transgenic crop plants: a case of the science not supporting the politics. Transgenic Research, 2007, 16, 261-280.	1.3	120
131	Recent developments and future prospects in insect pest control in transgenic crops. Trends in Plant Science, 2006, 11, 302-308.	4.3	251
132	The Quest to Understand the Basis and Mechanisms that Control Expression of Introduced Transgenes in Crop Plants. Plant Signaling and Behavior, 2006, 1, 185-195.	1.2	61
133	Transgenic Plants for Insect Pest Control: A Forward Looking Scientific Perspective. Transgenic Research, 2006, 15, 13-19.	1.3	127
134	The Intracellular Fate of a Recombinant Protein Is Tissue Dependent. Plant Physiology, 2006, 141, 578-586.	2.3	77
135	Monocot Expression Systems for Molecular Farming. , 2005, , 55-67.		3
136	Sowing the seeds of success: pharmaceutical proteins from plants. Current Opinion in Biotechnology, 2005, 16, 167-173.	3.3	315
137	Molecular farming for new drugs and vaccines. EMBO Reports, 2005, 6, 593-599.	2.0	286
138	Particle bombardment and the genetic enhancement of crops: myths and realities. Molecular Breeding, 2005, 15, 305-327.	1.0	291
139	Transformation of Plants with Multiple Cassettes Generates Simple Transgene Integration Patterns and High Expression Levels. Molecular Breeding, 2005, 16, 247-260.	1.0	71
140	Endosperm-Specific Co-Expression of Recombinant Soybean Ferritin and Aspergillus Phytase in Maize Results in Significant Increases in the Levels of Bioavailable Iron. Plant Molecular Biology, 2005, 59, 869-880.	2.0	252
141	EU-OSTID: A Collection of Transposon Insertional Mutants for Functional Genomics in Rice. Plant Molecular Biology, 2005, 59, 99-110.	2.0	77
142	Recent Progress in Plantibody Technology. Current Pharmaceutical Design, 2005, 11, 2439-2457.	0.9	74
143	Large-scale chromatin decondensation induced in a developmentally activated transgene locus. Journal of Cell Science, 2005, 118, 1021-1031.	1.2	22
144	An alternative strategy for sustainable pest resistance in genetically enhanced crops. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7812-7816.	3.3	110

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145	Antibody Production in Transgenic Plants. , 2004, 248, 301-318.		12
146	The potential of genetically enhanced plants to address food insecurity. Nutrition Research Reviews, 2004, 17, 23-42.	2.1	140
147	Modulation of the polyamine biosynthetic pathway in transgenic rice confers tolerance to drought stress. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9909-9914.	3.3	532
148	Unexpected Deposition Patterns of Recombinant Proteins in Post-Endoplasmic Reticulum Compartments of Wheat Endosperm. Plant Physiology, 2004, 136, 3457-3466.	2.3	101
149	A recombinant multimeric immunoglobulin expressed in rice shows assembly-dependent subcellular localization in endosperm cells. Plant Biotechnology Journal, 2004, 3, 115-127.	4.1	73
150	Plant-based production of biopharmaceuticals. Current Opinion in Plant Biology, 2004, 7, 152-158.	3.5	563
151	Transgenic Rice as a Vehicle for the Production of the Industrial Enzyme Transglutaminase. Transgenic Research, 2004, 13, 195-199.	1.3	17
152	Dedifferentiation-mediated changes in transposition behavior make the Activator transposon an ideal tool for functional genomics in rice. Molecular Breeding, 2004, 13, 177-191.	1.0	10
153	Introns are key regulatory elements of rice tubulin expression. Planta, 2004, 218, 693-703.	1.6	79
154	Progress in plant metabolic engineering. Current Opinion in Biotechnology, 2004, 15, 148-154.	3.3	201
155	Transgene integration, organization and interaction in plants. Plant Molecular Biology, 2003, 52, 247-258.	2.0	241
156	Reduction in the endogenous arginine decarboxylase transcript levels in rice leads to depletion of the putrescine and spermidine pools with no concomitant changes in the expression of downstream genes in the polyamine biosynthetic pathway. Planta, 2003, 218, 125-134.	1.6	25
157	Molecular farming in plants: host systems and expression technology. Trends in Biotechnology, 2003, 21, 570-578.	4.9	627
158	The production of recombinant pharmaceutical proteins in plants. Nature Reviews Genetics, 2003, 4, 794-805.	7.7	829
159	Expression of a Heterologous S-Adenosylmethionine Decarboxylase cDNA in Plants Demonstrates That Changes inS-Adenosyl-l-Methionine Decarboxylase Activity Determine Levels of the Higher Polyamines Spermidine and Spermine. Plant Physiology, 2002, 129, 1744-1754.	2.3	66
160	Genetic Transformation of Plants and Their Cells. , 2002, , .		9
161	Functional expression of tropinone reductase I (trI) and hyoscyamine-6Î²-hydroxylase (h6h) from Hyoscyamus niger in Nicotiana tabacum. Plant Science, 2002, 162, 905-913.	1.7	48
162	Endogenous enzyme activities and polyamine levels in diverse rice cultivars depend on the genetic background and are not affected by the presence of the hygromycin phosphotransferase selectable marker. Theoretical and Applied Genetics, 2002, 105, 594-603.	1.8	9

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163	Regeneration of Lonicera tatarica plants via adventitious organogenesis from cultured stem explants. Plant Cell Reports, 2002, 20, 808-813.	2.8	13
164	Plantibodies: applications, advantages and bottlenecks. Current Opinion in Biotechnology, 2002, 13, 161-166.	3.3	208
165	No Credible Scientific Evidence is Presented to Support Claims that Transgenic DNA was Introgressed into Traditional Maize Landraces in Oaxaca, Mexico. Transgenic Research, 2002, 11, 3-5.	1.3	40
166	Deletion of the C-terminal 138 amino acids of the wheat FKBP73 abrogates calmodulin binding, dimerization and male fertility in transgenic rice. Plant Molecular Biology, 2002, 48, 369-381.	2.0	29
167	Overexpression of the wheat FK506-binding protein 73 (FKBP73) and the heat-induced wheat FKBP77 in transgenic wheat reveals different functions of the two isoforms. Transgenic Research, 2002, 11, 373-379.	1.3	33
168	Practical considerations for pharmaceutical antibody production in different crop systems. Molecular Breeding, 2002, 9, 149-158.	1.0	142
169	Title is missing!. Molecular Breeding, 2002, 9, 231-244.	1.0	72
170	Transgenic research advances disease understanding leading to new intervention strategies. Transgenic Research, 2002, 11, 543-544.	1.3	0
171	Foreign DNA: Integration and Expression in Transgenic Plants. , 2002, 24, 107-136.		22
172	Transgenic rice plants expressing the ferredoxin-like protein (AP1) from sweet pepper show enhanced resistance to Xanthomonas oryzae pv. oryzae. Plant Science, 2001, 160, 1035-1042.	1.7	64
173	Expression of Arabidopsis GAI in Transgenic Rice Represses Multiple Gibberellin Responses. Plant Cell, 2001, 13, 1791-1802.	3.1	82
174	Expression of Arabidopsis GAI in Transgenic Rice Represses Multiple Gibberellin Responses. Plant Cell, 2001, 13, 1791.	3.1	1
175	Tagged Transcriptome Display (TTD) in indica rice using Ac transposition. Molecular Genetics and Genomics, 2001, 266, 1-11.	1.0	25
176	Over-expression of a cDNA for human ornithine decarboxylase in transgenic rice plants alters the polyamine pool in a tissue-specific manner. Molecular Genetics and Genomics, 2001, 266, 303-312.	1.0	35
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