

# Paul Christou

## List of Publications by Year in descending order

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261  
papers

22,626  
citations

9264

74  
h-index

10158

140  
g-index

267  
all docs

267  
docs citations

267  
times ranked

13994  
citing authors

#	ARTICLE	IF	CITATIONS
1	“Green revolution” genes encode mutant gibberellin response modulators. <i>Nature</i> , 1999, 400, 256-261.	27.8	1,876
2	The production of recombinant pharmaceutical proteins in plants. <i>Nature Reviews Genetics</i> , 2003, 4, 794-805.	16.3	829
3	Molecular farming in plants: host systems and expression technology. <i>Trends in Biotechnology</i> , 2003, 21, 570-578.	9.3	627
4	<i>Bacillus thuringiensis</i> : a century of research, development and commercial applications. <i>Plant Biotechnology Journal</i> , 2011, 9, 283-300.	8.3	598
5	Plant-based production of biopharmaceuticals. <i>Current Opinion in Plant Biology</i> , 2004, 7, 152-158.	7.1	563
6	Production of Transgenic Rice ( <i>Oryza Sativa</i> L.) Plants from Agronomically Important Indica and Japonica Varieties via Electric Discharge Particle Acceleration of Exogenous DNA into Immature Zygotic Embryos. <i>Bio/technology</i> , 1991, 9, 957-962.	1.5	534
7	Modulation of the polyamine biosynthetic pathway in transgenic rice confers tolerance to drought stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9909-9914.	7.1	532
8	Transgenic multivitamin corn through biofortification of endosperm with three vitamins representing three distinct metabolic pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7762-7767.	7.1	457
9	Stable Transformation of Soybean ( <i>Glycine Max</i> ) by Particle Acceleration. <i>Nature Biotechnology</i> , 1988, 6, 923-926.	17.5	423
10	Combinatorial genetic transformation generates a library of metabolic phenotypes for the carotenoid pathway in maize. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18232-18237.	7.1	330
11	Sowing the seeds of success: pharmaceutical proteins from plants. <i>Current Opinion in Biotechnology</i> , 2005, 16, 167-173.	6.6	315
12	Expression of snowdrop lectin (GNA) in transgenic rice plants confers resistance to rice brown planthopper. <i>Plant Journal</i> , 1998, 15, 469-477.	5.7	299
13	Particle bombardment and the genetic enhancement of crops: myths and realities. <i>Molecular Breeding</i> , 2005, 15, 305-327.	2.1	291
14	Molecular farming for new drugs and vaccines. <i>EMBO Reports</i> , 2005, 6, 593-599.	4.5	286
15	Cereal crops as viable production and storage systems for pharmaceutical scFv antibodies. <i>Plant Molecular Biology</i> , 2000, 42, 583-590.	3.9	283
16	Transgene organization in rice engineered through direct DNA transfer supports a two-phase integration mechanism mediated by the establishment of integration hot spots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 7203-7208.	7.1	262
17	Endosperm-Specific Co-Expression of Recombinant Soybean Ferritin and <i>Aspergillus</i> Phytase in Maize Results in Significant Increases in the Levels of Bioavailable Iron. <i>Plant Molecular Biology</i> , 2005, 59, 869-880.	3.9	252
18	Recent developments and future prospects in insect pest control in transgenic crops. <i>Trends in Plant Science</i> , 2006, 11, 302-308.	8.8	251

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19	Transgene integration, organization and interaction in plants. <i>Plant Molecular Biology</i> , 2003, 52, 247-258.	3.9	241
20	Stable Transformation of Soybean Callus by DNA-Coated Gold Particles. <i>Plant Physiology</i> , 1988, 87, 671-674.	4.8	238
21	Critical evaluation of strategies for mineral fortification of staple food crops. <i>Transgenic Research</i> , 2010, 19, 165-180.	2.4	236
22	Transgenic strategies for the nutritional enhancement of plants. <i>Trends in Plant Science</i> , 2007, 12, 548-555.	8.8	232
23	Plantibodies: applications, advantages and bottlenecks. <i>Current Opinion in Biotechnology</i> , 2002, 13, 161-166.	6.6	208
24	Regulatory approval and a first-in-human phase I clinical trial of a monoclonal antibody produced in transgenic tobacco plants. <i>Plant Biotechnology Journal</i> , 2015, 13, 1106-1120.	8.3	205
25	Progress in plant metabolic engineering. <i>Current Opinion in Biotechnology</i> , 2004, 15, 148-154.	6.6	201
26	Linear transgene constructs lacking vector backbone sequences generate low-copy-number transgenic plants with simple integration patterns. <i>Transgenic Research</i> , 2000, 9, 11-19.	2.4	194
27	Title is missing!. <i>Molecular Breeding</i> , 2001, 7, 85-93.	2.1	192
28	When more is better: multigene engineering in plants. <i>Trends in Plant Science</i> , 2010, 15, 48-56.	8.8	187
29	Molecular characterization of transforming plasmid rearrangements in transgenic rice reveals a recombination hotspot in the CaMV 35S promoter and confirms the predominance of microhomology mediated recombination. <i>Plant Journal</i> , 1999, 17, 591-601.	5.7	177
30	Title is missing!. <i>Molecular Breeding</i> , 1999, 5, 65-73.	2.1	177
31	Genetic transformation of crop plants using microprojectile bombardment. <i>Plant Journal</i> , 1992, 2, 275-281.	5.7	173
32	Resistance to green leafhopper ( <i>Nephotettix virescens</i> ) and brown planthopper ( <i>Nilaparvata lugens</i> ) in transgenic rice expressing snowdrop lectin ( <i>Galanthus nivalis</i> agglutinin; GNA). <i>Journal of Insect Physiology</i> , 2000, 46, 573-583.	2.0	167
33	Promoter diversity in multigene transformation. <i>Plant Molecular Biology</i> , 2010, 73, 363-378.	3.9	155
34	Cost-effective production of a vaginal protein microbicide to prevent HIV transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3727-3732.	7.1	154
35	Travel advice on the road to carotenoids in plants. <i>Plant Science</i> , 2010, 179, 28-48.	3.6	151
36	The regulation of carotenoid pigmentation in flowers. <i>Archives of Biochemistry and Biophysics</i> , 2010, 504, 132-141.	3.0	149

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37	Practical considerations for pharmaceutical antibody production in different crop systems. <i>Molecular Breeding</i> , 2002, 9, 149-158.	2.1	142
38	Patterns of CRISPR/Cas9 activity in plants, animals and microbes. <i>Plant Biotechnology Journal</i> , 2016, 14, 2203-2216.	8.3	141
39	The potential of genetically enhanced plants to address food insecurity. <i>Nutrition Research Reviews</i> , 2004, 17, 23-42.	4.1	140
40	Transgene expression in rice engineered through particle bombardment: molecular factors controlling stable expression and transgene silencing. <i>Planta</i> , 1999, 208, 88-97.	3.2	139
41	Identification of carotenoids using mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2014, 33, 353-372.	5.4	139
42	Potential Applications of Plant Biotechnology against SARS-CoV-2. <i>Trends in Plant Science</i> , 2020, 25, 635-643.	8.8	135
43	Soybean genetic engineering - commercial production of transgenic plants. <i>Trends in Biotechnology</i> , 1990, 8, 145-151.	9.3	134
44	Expression of an engineered cysteine proteinase inhibitor (Oryzacystatin-II <sup>D86</sup> ) for nematode resistance in transgenic rice plants. <i>Theoretical and Applied Genetics</i> , 1998, 96, 266-271.	3.6	130
45	Over-expression of the oat arginine decarboxylase cDNA in transgenic rice ( <i>Oryza sativa</i> L.) affects normal development patterns in vitro and results in putrescine accumulation in transgenic plants. <i>Theoretical and Applied Genetics</i> , 1998, 97, 246-254.	3.6	129
46	Transgenic Plants for Insect Pest Control: A Forward Looking Scientific Perspective. <i>Transgenic Research</i> , 2006, 15, 13-19.	2.4	127
47	The contribution of transgenic plants to better health through improved nutrition: opportunities and constraints. <i>Genes and Nutrition</i> , 2013, 8, 29-41.	2.5	122
48	Characteristics of Genome Editing Mutations in Cereal Crops. <i>Trends in Plant Science</i> , 2017, 22, 38-52.	8.8	122
49	Biosafety and risk assessment framework for selectable marker genes in transgenic crop plants: a case of the science not supporting the politics. <i>Transgenic Research</i> , 2007, 16, 261-280.	2.4	120
50	Nutritionally important carotenoids as consumer products. <i>Phytochemistry Reviews</i> , 2015, 14, 727-743.	6.5	118
51	Engineering Complex Metabolic Pathways in Plants. <i>Annual Review of Plant Biology</i> , 2014, 65, 187-223.	18.7	117
52	Strategies for variety-independent genetic transformation of important cereals, legumes and woody species utilizing particle bombardment. <i>Euphytica</i> , 1995, 85, 13-27.	1.2	116
53	Bottlenecks in carotenoid biosynthesis and accumulation in rice endosperm are influenced by the precursorâ€™product balance. <i>Plant Biotechnology Journal</i> , 2016, 14, 195-205.	8.3	113
54	The genetic manipulation of medicinal and aromatic plants. <i>Plant Cell Reports</i> , 2007, 26, 1689-1715.	5.6	112

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55	Constitutive expression of soybean ferritin cDNA in transgenic wheat and rice results in increased iron levels in vegetative tissues but not in seeds. Transgenic Research, 2000, 9, 445-452.	2.4	110
56	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.	7.1	110
57	Rice cell culture as an alternative production system for functional diagnostic and therapeutic antibodies. Transgenic Research, 1999, 8, 441-449.	2.4	109
58	Title is missing!. , 1999, 5, 471-480.		107
59	Biofortification of plants with altered antioxidant content and composition: genetic engineering strategies. Plant Biotechnology Journal, 2013, 11, 129-141.	8.3	102
60	Transformation technology. Trends in Plant Science, 1996, 1, 423-431.	8.8	101
61	Unexpected Deposition Patterns of Recombinant Proteins in Post-Endoplasmic Reticulum Compartments of Wheat Endosperm. Plant Physiology, 2004, 136, 3457-3466.	4.8	101
62	Rice transformation: bombardment. , 1997, 35, 197-203.		93
63	Matrix attachment regions increase transgene expression levels and stability in transgenic rice plants and their progeny. Plant Journal, 1999, 18, 233-242.	5.7	93
64	Title is missing!. Molecular Breeding, 1998, 4, 501-507.	2.1	91
65	Maize plants: An ideal production platform for effective and safe molecular pharming. Plant Science, 2008, 174, 409-419.	3.6	90
66	A golden era“pro-vitamin A enhancement in diverse crops. In Vitro Cellular and Developmental Biology - Plant, 2011, 47, 205-221.	2.1	90
67	The carotenoid cleavage dioxygenase <sc>CCD</sc>2 catalysing the synthesis of crocetin in spring crocuses and saffron is a plastidial enzyme. New Phytologist, 2016, 209, 650-663.	7.3	88
68	Direct DNA transfer using electric discharge particle acceleration (ACCELLâ„¢ technology). Plant Cell, Tissue and Organ Culture, 1993, 33, 227-236.	2.3	87
69	Nutritious crops producing multiple carotenoids “ a metabolic balancing act. Trends in Plant Science, 2011, 16, 532-540.	8.8	84
70	Molecular Characteristics of Transgenic Wheat and the Effect on Transgene Expression. Transgenic Research, 1998, 7, 463-471.	2.4	83
71	Biofortification of crops with nutrients: factors affecting utilization and storage. Current Opinion in Biotechnology, 2017, 44, 115-123.	6.6	83
72	Biotechnology applied to grain legumes. Field Crops Research, 1997, 53, 83-97.	5.1	82

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73	Expression of Arabidopsis GAI in Transgenic Rice Represses Multiple Gibberellin Responses. <i>Plant Cell</i> , 2001, 13, 1791-1802.	6.6	82
74	Particle-bombardment-mediated co-transformation of elite Chinese rice cultivars with genes conferring resistance to bacterial blight and sap-sucking insect pests. <i>Planta</i> , 1999, 208, 552-563.	3.2	80
75	Metabolic engineering of ketocarotenoid biosynthesis in higher plants. <i>Archives of Biochemistry and Biophysics</i> , 2009, 483, 182-190.	3.0	80
76	The green fluorescent protein (GFP) as a vital screenable marker in rice transformation. <i>Theoretical and Applied Genetics</i> , 1998, 96, 164-169.	3.6	79
77	Introns are key regulatory elements of rice tubulin expression. <i>Planta</i> , 2004, 218, 693-703.	3.2	79
78	Applications of multiplex genome editing in higher plants. <i>Current Opinion in Biotechnology</i> , 2019, 59, 93-102.	6.6	78
79	EU-OSTID: A Collection of Transposon Insertional Mutants for Functional Genomics in Rice. <i>Plant Molecular Biology</i> , 2005, 59, 99-110.	3.9	77
80	The Intracellular Fate of a Recombinant Protein Is Tissue Dependent. <i>Plant Physiology</i> , 2006, 141, 578-586.	4.8	77
81	Phytosiderophores determine thresholds for iron and zinc accumulation in biofortified rice endosperm while inhibiting the accumulation of cadmium. <i>Journal of Experimental Botany</i> , 2017, 68, 4983-4995.	4.8	77
82	The application of GMOs in agriculture and in food production for a better nutrition: two different scientific points of view. <i>Genes and Nutrition</i> , 2013, 8, 255-270.	2.5	75
83	Recent Progress in Plantibody Technology. <i>Current Pharmaceutical Design</i> , 2005, 11, 2439-2457.	1.9	74
84	Recombinant plant-derived pharmaceutical proteins: current technical and economic bottlenecks. <i>Biotechnology Letters</i> , 2014, 36, 2367-2379.	2.2	74
85	Cotransformation frequencies of foreign genes in soybean cell cultures. <i>Theoretical and Applied Genetics</i> , 1990, 79, 337-341.	3.6	73
86	Expression and immunolocalisation of the snowdrop lectin, GNA in transgenic rice plants. <i>Transgenic Research</i> , 1998, 7, 371-378.	2.4	73
87	A recombinant multimeric immunoglobulin expressed in rice shows assembly-dependent subcellular localization in endosperm cells. <i>Plant Biotechnology Journal</i> , 2004, 3, 115-127.	8.3	73
88	Morphological Description of Transgenic Soybean Chimeras Created by the Delivery, Integration and Expression of Foreign DNA Using Electric Discharge Particle Acceleration. <i>Annals of Botany</i> , 1990, 66, 379-386.	2.9	72
89	Title is missing!. <i>Molecular Breeding</i> , 2002, 9, 231-244.	2.1	72
90	Title is missing!. <i>Molecular Breeding</i> , 2000, 6, 345-352.	2.1	71

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91	Transformation of Plants with Multiple Cassettes Generates Simple Transgene Integration Patterns and High Expression Levels. <i>Molecular Breeding</i> , 2005, 16, 247-260.	2.1	71
92	Expression of Arabidopsis GAI in Transgenic Rice Represses Multiple Gibberellin Responses. <i>Plant Cell</i> , 2001, 13, 1791-1802.	6.6	71
93	Prediction of germ-line transformation events in chimeric Ro transgenic soybean plantlets using tissue-specific expression patterns. <i>Plant Journal</i> , 1992, 2, 283-290.	5.7	70
94	Pea Legumin Overexpressed in Wheat Endosperm Assembles into an Ordered Paracrystalline Matrix. <i>Plant Physiology</i> , 2001, 125, 1732-1742.	4.8	70
95	Trace and traceabilityâ€”a call for regulatory harmony. <i>Nature Biotechnology</i> , 2008, 26, 975-978.	17.5	68
96	Going to ridiculous lengthsâ€”European coexistence regulations for GM crops. <i>Nature Biotechnology</i> , 2010, 28, 133-136.	17.5	68
97	Expression of a Heterologous S-Adenosylmethionine Decarboxylase cDNA in Plants Demonstrates That Changes in S-Adenosyl-L-Methionine Decarboxylase Activity Determine Levels of the Higher Polyamines Spermidine and Spermine. <i>Plant Physiology</i> , 2002, 129, 1744-1754.	4.8	66
98	Spermine facilitates recovery from drought but does not confer drought tolerance in transgenic rice plants expressing <i>Datura stramonium</i> S-adenosylmethionine decarboxylase. <i>Plant Molecular Biology</i> , 2009, 70, 253-264.	3.9	66
99	Widely separated multiple transgene integration sites in wheat chromosomes are brought together at interphase. <i>Plant Journal</i> , 2000, 24, 713-723.	5.7	66
100	Native and Artificial Reticuloplasmins Co-Accumulate in Distinct Domains of the Endoplasmic Reticulum and in Post-Endoplasmic Reticulum Compartments. <i>Plant Physiology</i> , 2001, 127, 1212-1223.	4.8	65
101	Combined transcript, proteome, and metabolite analysis of transgenic maize seeds engineered for enhanced carotenoid synthesis reveals pleiotropic effects in core metabolism. <i>Journal of Experimental Botany</i> , 2015, 66, 3141-3150.	4.8	65
102	Transgenic rice plants expressing the ferredoxin-like protein (AP1) from sweet pepper show enhanced resistance to <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> . <i>Plant Science</i> , 2001, 160, 1035-1042.	3.6	64
103	The development of a variety-independent gene-transfer method for rice. <i>Trends in Biotechnology</i> , 1992, 10, 239-246.	9.3	63
104	An <i>in vitro</i> system for the rapid functional characterization of genes involved in carotenoid biosynthesis and accumulation. <i>Plant Journal</i> , 2014, 77, 464-475.	5.7	63
105	The expression of heterologous Fe ( <i>HvYS1</i> ) phyto siderophore transporter in rice increases Fe uptake, translocation and seed loading and excludes heavy metals by selective Fe transport. <i>Plant Biotechnology Journal</i> , 2017, 15, 423-432.	8.3	63
106	Title is missing!. <i>Transgenic Research</i> , 1998, 7, 289-294.	2.4	61
107	The Quest to Understand the Basis and Mechanisms that Control Expression of Introduced Transgenes in Crop Plants. <i>Plant Signaling and Behavior</i> , 2006, 1, 185-195.	2.4	61
108	Nutritionally enhanced crops and food security: scientific achievements versus political expediency. <i>Current Opinion in Biotechnology</i> , 2011, 22, 245-251.	6.6	60

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109	Transposon Insertional Mutagenesis in Rice. <i>Plant Physiology</i> , 2001, 125, 1175-1177.	4.8	58
110	Rice endosperm produces an underglycosylated and potent form of the <scp>HIV</scp>â€œneutralizing monoclonal antibody 2G12. <i>Plant Biotechnology Journal</i> , 2016, 14, 97-108.	8.3	58
111	Metabolic Engineering of Plant Secondary Products: Which Way Forward?. <i>Current Pharmaceutical Design</i> , 2013, 19, 5622-5639.	1.9	58
112	Realising the value of plant molecular pharming to benefit the poor in developing countries and emerging economies. <i>Plant Biotechnology Journal</i> , 2013, 11, 1029-1033.	8.3	57
113	Paradoxical EU agricultural policies on genetically engineered crops. <i>Trends in Plant Science</i> , 2013, 18, 312-324.	8.8	57
114	Molecular pharming in cereal crops. <i>Phytochemistry Reviews</i> , 2008, 7, 579-592.	6.5	56
115	The humanitarian impact of plant biotechnology: recent breakthroughs vs bottlenecks for adoption. <i>Current Opinion in Plant Biology</i> , 2010, 13, 219-225.	7.1	56
116	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. <i>Transgenic Research</i> , 2013, 22, 255-267.	2.4	55
117	Plant Cells as Pharmaceutical Factories. <i>Current Pharmaceutical Design</i> , 2013, 19, 5640-5660.	1.9	55
118	The distribution of carotenoids in hens fed on biofortified maize is influenced by feed composition, absorption, resource allocation and storage. <i>Scientific Reports</i> , 2016, 6, 35346.	3.3	53
119	Transgenic rice as a system to study the stability of transgene expression: multiple heterologous transgenes show similar behaviour in diverse genetic backgrounds. <i>Theoretical and Applied Genetics</i> , 2000, 101, 388-399.	3.6	51
120	Cell type specific expression of a CaMV 35S-GUS gene in transgenic soybean plants. <i>Genesis</i> , 1990, 11, 289-293.	2.1	50
121	Particle gun mediated transformation. <i>Current Opinion in Biotechnology</i> , 1993, 4, 135-141.	6.6	49
122	Cloning and functional characterization of the maize carotenoid isomerase and Î²-carotene hydroxylase genes and their regulation during endosperm maturation. <i>Transgenic Research</i> , 2010, 19, 1053-1068.	2.4	49
123	Expression of two consecutive genes of a secondary metabolic pathway in transgenic tobacco: molecular diversity influences levels of expression and product accumulation. <i>Plant Molecular Biology</i> , 1998, 38, 765-774.	3.9	48
124	Functional expression of tropinone reductase I (trl) and hyoscyamine-6Î²-hydroxylase (h6h) from <i>Hyoscyamus niger</i> in <i>Nicotiana tabacum</i> . <i>Plant Science</i> , 2002, 162, 905-913.	3.6	48
125	High-value products from transgenic maize. <i>Biotechnology Advances</i> , 2011, 29, 40-53.	11.7	48
126	The potential impact of plant biotechnology on the Millennium Development Goals. <i>Plant Cell Reports</i> , 2011, 30, 249-265.	5.6	47



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127	Iron and Zinc in the Embryo and Endosperm of Rice ( <i>Oryza sativa</i> L.) Seeds in Contrasting 2-Deoxymugineic Acid/Nicotianamine Scenarios. <i>Frontiers in Plant Science</i> , 2018, 9, 1190.	3.6	47
128	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. <i>Plant Biotechnology Journal</i> , 2011, 9, 384-393.	8.3	46
129	Genome editing in cereal crops: an overview. <i>Transgenic Research</i> , 2021, 30, 461-498.	2.4	46
130	Transgenic and genome-edited fruits: background, constraints, benefits, and commercial opportunities. <i>Horticulture Research</i> , 2021, 8, 166.	6.3	46
131	Overexpression of the calcium-dependent protein kinase OsCDPK2 in transgenic rice is repressed by light in leaves and disrupts seed development. <i>Transgenic Research</i> , 2000, 9, 453-462.	2.4	45
132	CRISPR/Cas9 activity in the rice OsBE1b gene does not induce off-target effects in the closely related paralog OsBE1a. <i>Molecular Breeding</i> , 2016, 36, 1.	2.1	45
133	CRISPR/Cas9 mutations in the rice Waxy/GBSSI gene induce allele-specific and zygoty-dependent feedback effects on endosperm starch biosynthesis. <i>Plant Cell Reports</i> , 2019, 38, 417-433.	5.6	45
134	Inactivation of rice starch branching enzyme IIb triggers broad and unexpected changes in metabolism by transcriptional reprogramming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26503-26512.	7.1	45
135	Transgenic Central American, West African and Asian Elite Rice Varieties Resulting from Particle Bombardment of Foreign DNA into Mature Seed-derived Explants Utilizing Three Different Bombardment Devices. <i>Annals of Botany</i> , 1998, 82, 795-801.	2.9	44
136	Constitutive versus seed specific expression in transgenic wheat: temporal and spatial control. <i>Transgenic Research</i> , 1999, 8, 73-82.	2.4	44
137	Metabolic engineering of astaxanthin biosynthesis in maize endosperm and characterization of a prototype high oil hybrid. <i>Transgenic Research</i> , 2016, 25, 477-489.	2.4	44
138	Contributions of the international plant science community to the fight against human infectious diseases – part 1: epidemic and pandemic diseases. <i>Plant Biotechnology Journal</i> , 2021, 19, 1901-1920.	8.3	44
139	Knowledge-driven approaches for engineering complex metabolic pathways in plants. <i>Current Opinion in Biotechnology</i> , 2015, 32, 54-60.	6.6	43
140	Opine Synthesis in Wild-Type Plant Tissue. <i>Plant Physiology</i> , 1986, 82, 218-221.	4.8	42
141	Title is missing!. <i>Molecular Breeding</i> , 1998, 4, 99-109.	2.1	42
142	Simultaneous expression of Arabidopsis 3-hydroxyphenylpyruvate dioxygenase and MPBQ methyltransferase in transgenic corn kernels triples the tocopherol content. <i>Transgenic Research</i> , 2011, 20, 177-181.	2.4	42
143	The biotechnology of crop legumes. <i>Euphytica</i> , 1994, 74-74, 165-185.	1.2	40
144	The impact of selection parameters on the phenotype and genotype of transgenic rice callus and plants. <i>Transgenic Research</i> , 1995, 4, 44-51.	2.4	40

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145	No Credible Scientific Evidence is Presented to Support Claims that Transgenic DNA was Introgressed into Traditional Maize Landraces in Oaxaca, Mexico. <i>Transgenic Research</i> , 2002, 11, 3-5.	2.4	40
146	Rice endosperm is cost-effective for the production of recombinant griffithsin with potent activity against HIV. <i>Plant Biotechnology Journal</i> , 2016, 14, 1427-1437.	8.3	40
147	EU legitimizes GM crop exclusion zones. <i>Nature Biotechnology</i> , 2011, 29, 315-317.	17.5	39
148	Plant genetic engineering and agricultural biotechnology 1983-2013. <i>Trends in Biotechnology</i> , 2013, 31, 125-127.	9.3	39
149	Transgenic rice grains expressing a heterologous $\gamma$ -hydroxyphenylpyruvate dioxygenase shift tocopherol synthesis from the $\delta^3$ to the $\delta^2$ isoform without increasing absolute tocopherol levels. <i>Transgenic Research</i> , 2012, 21, 1093-1097.	2.4	38
150	Engineering metabolic pathways in plants by multigene transformation. <i>International Journal of Developmental Biology</i> , 2013, 57, 565-576.	0.6	38
151	The Arabidopsis ORANGE (AtOR) gene promotes carotenoid accumulation in transgenic corn hybrids derived from parental lines with limited carotenoid pools. <i>Plant Cell Reports</i> , 2017, 36, 933-945.	5.6	38
152	Promoter strength influences polyamine metabolism and morphogenic capacity in transgenic rice tissues expressing the oat <i>adc</i> cDNA constitutively. <i>Transgenic Research</i> , 2000, 9, 33-42.	2.4	36
153	Carotenoid-enriched transgenic corn delivers bioavailable carotenoids to poultry and protects them against coccidiosis. <i>Plant Biotechnology Journal</i> , 2016, 14, 160-168.	8.3	36
154	Enhanced insect resistance in Thai rice varieties generated by particle bombardment. <i>Molecular Breeding</i> , 2000, 6, 391-399.	2.1	35
155	Over-expression of a cDNA for human ornithine decarboxylase in transgenic rice plants alters the polyamine pool in a tissue-specific manner. <i>Molecular Genetics and Genomics</i> , 2001, 266, 303-312.	2.1	35
156	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. <i>Transgenic Research</i> , 2002, 11, 373-379.	2.4	33
157	Calling the tunes on transgenic crops: the case for regulatory harmony. <i>Molecular Breeding</i> , 2009, 23, 99-112.	2.1	33
158	Constitutive expression of a barley Fe phytosiderophore transporter increases alkaline soil tolerance and results in iron partitioning between vegetative and storage tissues under stress. <i>Plant Physiology and Biochemistry</i> , 2012, 53, 46-53.	5.8	33
159	Rice transformation: bombardment. , 1997, , 197-203.		33
160	Seeds as a Production System for Molecular Pharming Applications: Status and Prospects. <i>Current Pharmaceutical Design</i> , 2013, 19, 5543-5552.	1.9	32
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