

Teresa Capell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5475989/publications.pdf>

Version: 2024-02-01

125
papers

8,705
citations

36303

51
h-index

45317

90
g-index

127
all docs

127
docs citations

127
times ranked

7882
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Multilevel interactions between native and ectopic isoprenoid pathways affect global metabolism in rice. <i>Transgenic Research</i> , 2022, 31, 249-268. | 2.4 | 4 |
| 2 | Physicochemical characterization of the recombinant lectin scytovirin and microbicidal activity of the SD1 domain produced in rice against HIV-1. <i>Plant Cell Reports</i> , 2022, , 1. | 5.6 | 3 |
| 3 | Metabolic Engineering of Crocin Biosynthesis in <i>Nicotiana</i> Species. <i>Frontiers in Plant Science</i> , 2022, 13, 861140. | 3.6 | 16 |
| 4 | Development of a facile genetic transformation system for the Spanish elite rice paella genotype Bomba. <i>Transgenic Research</i> , 2022, 31, 325-340. | 2.4 | 1 |
| 5 | The Biosynthesis of Non-Endogenous Apocarotenoids in Transgenic <i>Nicotiana glauca</i> . <i>Metabolites</i> , 2022, 12, 575. | 2.9 | 5 |
| 6 | Fruit crops in the era of genome editing: closing the regulatory gap. <i>Plant Cell Reports</i> , 2021, 40, 915-930. | 5.6 | 17 |
| 7 | Engineered Maize Hybrids with Diverse Carotenoid Profiles and Potential Applications in Animal Feeding. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1261, 95-113. | 1.6 | 2 |
| 8 | 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. <i>Plants</i> , 2021, 10, 1456. | 3.5 | 3 |
| 9 | Genome editing in cereal crops: an overview. <i>Transgenic Research</i> , 2021, 30, 461-498. | 2.4 | 46 |
| 10 | Transgenic and genome-edited fruits: background, constraints, benefits, and commercial opportunities. <i>Horticulture Research</i> , 2021, 8, 166. | 6.3 | 46 |
| 11 | 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 |
| 12 | The subcellular localization of two isopentenyl diphosphate isomerases in rice suggests a role for the endoplasmic reticulum in isoprenoid biosynthesis. <i>Plant Cell Reports</i> , 2020, 39, 119-133. | 5.6 | 14 |
| 13 | 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 |
| 14 | Transit Peptides From Photosynthesis-Related Proteins Mediate Import of a Marker Protein Into Different Plastid Types and Within Different Species. <i>Frontiers in Plant Science</i> , 2020, 11, 560701. | 3.6 | 6 |
| 15 | Potential Applications of Plant Biotechnology against SARS-CoV-2. <i>Trends in Plant Science</i> , 2020, 25, 635-643. | 8.8 | 135 |
| 16 | The ratio of phyto siderophores nicotianamine to deoxymugenic acid controls metal homeostasis in rice. <i>Planta</i> , 2019, 250, 1339-1354. | 3.2 | 9 |
| 17 | A simplified techno-economic model for the molecular pharming of antibodies. <i>Biotechnology and Bioengineering</i> , 2019, 116, 2526-2539. | 3.3 | 28 |
| 18 | Unexpected synergistic HIV neutralization by a triple microbicide produced in rice endosperm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7854-E7862. | 7.1 | 28 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Carotenoids moderate the effectiveness of a Bt gene against the European corn borer, <i>Ostrinia nubilalis</i> . PLoS ONE, 2018, 13, e0199317. | 2.5 | 9 |
| 20 | 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. | 2.4 | 10 |
| 21 | Biofortification of crops with nutrients: factors affecting utilization and storage. Current Opinion in Biotechnology, 2017, 44, 115-123. | 6.6 | 83 |
| 22 | 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. | 5.6 | 38 |
| 23 | 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. | 4.8 | 77 |
| 24 | Provitamin A carotenoids from an engineered high-carotenoid maize are bioavailable and zeaxanthin does not compromise β -carotene absorption in poultry. Transgenic Research, 2017, 26, 591-601. | 2.4 | 11 |
| 25 | Reconstruction of the astaxanthin biosynthesis pathway in rice endosperm reveals a metabolic bottleneck at the level of endogenous β -carotene hydroxylase activity. Transgenic Research, 2017, 26, 13-23. | 2.4 | 21 |
| 26 | The expression of heterologous Fe (<i>HvYS1</i>) phytosiderophore transporter in rice increases Fe uptake, translocation and seed loading and excludes heavy metals by selective Fe transport. Plant Biotechnology Journal, 2017, 15, 423-432. | 8.3 | 63 |
| 27 | Characteristics of Genome Editing Mutations in Cereal Crops. Trends in Plant Science, 2017, 22, 38-52. | 8.8 | 122 |
| 28 | The Silencing of Carotenoid β -Hydroxylases by RNA Interference in Different Maize Genetic Backgrounds Increases the β -Carotene Content of the Endosperm. International Journal of Molecular Sciences, 2017, 18, 2515. | 4.1 | 20 |
| 29 | The carotenoid cleavage dioxygenase <i>CCD2</i> catalysing the synthesis of crocetin in spring crocuses and saffron is a plastidial enzyme. New Phytologist, 2016, 209, 650-663. | 7.3 | 88 |
| 30 | A carotenogenic mini-pathway introduced into white corn does not affect development or agronomic performance. Scientific Reports, 2016, 6, 38288. | 3.3 | 12 |
| 31 | Rice endosperm is cost-effective for the production of recombinant griffithsin with potent activity against HIV. Plant Biotechnology Journal, 2016, 14, 1427-1437. | 8.3 | 40 |
| 32 | Carotenoid-enriched transgenic corn delivers bioavailable carotenoids to poultry and protects them against coccidiosis. Plant Biotechnology Journal, 2016, 14, 160-168. | 8.3 | 36 |
| 33 | Metabolic engineering of astaxanthin biosynthesis in maize endosperm and characterization of a prototype high oil hybrid. Transgenic Research, 2016, 25, 477-489. | 2.4 | 44 |
| 34 | Freedom-to-operate analysis of a transgenic multivitamin corn variety. Plant Biotechnology Journal, 2016, 14, 1225-1240. | 8.3 | 9 |
| 35 | Patterns of CRISPR/Cas9 activity in plants, animals and microbes. Plant Biotechnology Journal, 2016, 14, 2203-2216. | 8.3 | 141 |
| 36 | Engineered maize as a source of astaxanthin: processing and application as fish feed. Transgenic Research, 2016, 25, 785-793. | 2.4 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | 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 |
| 38 | Identification of line-specific strategies for improving carotenoid production in synthetic maize through data-driven mathematical modeling. <i>Plant Journal</i> , 2016, 87, 455-471. | 5.7 | 9 |
| 39 | Bottlenecks in carotenoid biosynthesis and accumulation in rice endosperm are influenced by the precursor-product balance. <i>Plant Biotechnology Journal</i> , 2016, 14, 195-205. | 8.3 | 113 |
| 40 | Rice endosperm produces an underglycosylated and potent form of the HIV-neutralizing monoclonal antibody 2G12. <i>Plant Biotechnology Journal</i> , 2016, 14, 97-108. | 8.3 | 58 |
| 41 | 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 |
| 42 | Knowledge-driven approaches for engineering complex metabolic pathways in plants. <i>Current Opinion in Biotechnology</i> , 2015, 32, 54-60. | 6.6 | 43 |
| 43 | Nutritionally important carotenoids as consumer products. <i>Phytochemistry Reviews</i> , 2015, 14, 727-743. | 6.5 | 118 |
| 44 | Cloning and Functional Characterization of the Maize (<i>Zea mays</i> L.) Carotenoid Epsilon Hydroxylase Gene. <i>PLoS ONE</i> , 2015, 10, e0128758. | 2.5 | 5 |
| 45 | A novel carotenoid, 4-keto- β -carotene, as an unexpected by-product during genetic engineering of carotenogenesis in rice callus. <i>Phytochemistry</i> , 2014, 98, 85-91. | 2.9 | 17 |
| 46 | Strategic patent analysis in plant biotechnology: terpenoid indole alkaloid metabolic engineering as a case study. <i>Plant Biotechnology Journal</i> , 2014, 12, 117-134. | 8.3 | 10 |
| 47 | Cloning and functional analysis of the promoters that upregulate carotenogenic gene expression during flower development in <i>Gentiana lutea</i> . <i>Physiologia Plantarum</i> , 2014, 150, 493-504. | 5.2 | 20 |
| 48 | 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 |
| 49 | Recombinant plant-derived pharmaceutical proteins: current technical and economic bottlenecks. <i>Biotechnology Letters</i> , 2014, 36, 2367-2379. | 2.2 | 74 |
| 50 | Can plant biotechnology help break the HIV-malaria link?. <i>Biotechnology Advances</i> , 2014, 32, 575-582. | 11.7 | 10 |
| 51 | Engineering Complex Metabolic Pathways in Plants. <i>Annual Review of Plant Biology</i> , 2014, 65, 187-223. | 18.7 | 117 |
| 52 | Building bridges: an integrated strategy for sustainable food production throughout the value chain. <i>Molecular Breeding</i> , 2013, 32, 743-770. | 2.1 | 28 |
| 53 | Can the world afford to ignore biotechnology solutions that address food insecurity?. <i>Plant Molecular Biology</i> , 2013, 83, 5-19. | 3.9 | 19 |
| 54 | Abscisic acid and the herbicide safener cyprosulfamide cooperatively enhance abiotic stress tolerance in rice. <i>Molecular Breeding</i> , 2013, 32, 463-484. | 2.1 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Efficient recovery of recombinant proteins from cereal endosperm is affected by interaction with endogenous storage proteins. <i>Biotechnology Journal</i> , 2013, 8, 1203-1212. | 3.5 | 7 |
| 56 | 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 |
| 57 | Biofortification of plants with altered antioxidant content and composition: genetic engineering strategies. <i>Plant Biotechnology Journal</i> , 2013, 11, 129-141. | 8.3 | 102 |
| 58 | 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 |
| 59 | Paradoxical EU agricultural policies on genetically engineered crops. <i>Trends in Plant Science</i> , 2013, 18, 312-324. | 8.8 | 57 |
| 60 | Ascorbic acid synthesis and metabolism in maize are subject to complex and genotypeâ€dependent feedback regulation during endosperm development. <i>Biotechnology Journal</i> , 2013, 8, 1221-1230. | 3.5 | 16 |
| 61 | Targeted transcriptomic and metabolic profiling reveals temporal bottlenecks in the maize carotenoid pathway that may be addressed by multigene engineering. <i>Plant Journal</i> , 2013, 75, 441-455. | 5.7 | 27 |
| 62 | A question of balance: achieving appropriate nutrient levels in biofortified staple crops. <i>Nutrition Research Reviews</i> , 2013, 26, 235-245. | 4.1 | 20 |
| 63 | Engineering metabolic pathways in plants by multigene transformation. <i>International Journal of Developmental Biology</i> , 2013, 57, 565-576. | 0.6 | 38 |
| 64 | Transgenic Multivitamin Biofortified Corn: Science, Regulation, and Politics. , 2013, , 335-347. | | 3 |
| 65 | Seeds as a Production System for Molecular Pharming Applications: Status and Prospects. <i>Current Pharmaceutical Design</i> , 2013, 19, 5543-5552. | 1.9 | 32 |
| 66 | Metabolic Engineering of Plant Secondary Products: Which Way Forward?. <i>Current Pharmaceutical Design</i> , 2013, 19, 5622-5639. | 1.9 | 58 |
| 67 | Plant Cells as Pharmaceutical Factories. <i>Current Pharmaceutical Design</i> , 2013, 19, 5640-5660. | 1.9 | 55 |
| 68 | Mice fed on a diet enriched with genetically engineered multivitamin corn show no subâ€acute toxic effects and no subâ€chronic toxicity. <i>Plant Biotechnology Journal</i> , 2012, 10, 1026-1034. | 8.3 | 15 |
| 69 | Functional characterization of the <i>Gentiana lutea</i> zeaxanthin epoxidase (GIZEP) promoter in transgenic tomato plants. <i>Transgenic Research</i> , 2012, 21, 1043-1056. | 2.4 | 16 |
| 70 | Transgenic rice grains expressing a heterologous Î³-hydroxyphenylpyruvate dioxygenase shift tocopherol synthesis from the Î³ to the Î± isoform without increasing absolute tocopherol levels. <i>Transgenic Research</i> , 2012, 21, 1093-1097. | 2.4 | 38 |
| 71 | Combinatorial Genetic Transformation of Cereals and the Creation of Metabolic Libraries for the Carotenoid Pathway. <i>Methods in Molecular Biology</i> , 2012, 847, 419-435. | 0.9 | 16 |
| 72 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 73 | Field trials and tribulationsâ€”making sense of the regulations for experimental field trials of transgenic crops in Europe. <i>Plant Biotechnology Journal</i> , 2012, 10, 511-523. | 8.3 | 24 |
| 74 | Nutritious crops producing multiple carotenoids â€” a metabolic balancing act. <i>Trends in Plant Science</i> , 2011, 16, 532-540. | 8.8 | 84 |
| 75 | 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 |
| 76 | <i>Bacillus thuringiensis</i> : a century of research, development and commercial applications. <i>Plant Biotechnology Journal</i> , 2011, 9, 283-300. | 8.3 | 598 |
| 77 | EU legitimizes GM crop exclusion zones. <i>Nature Biotechnology</i> , 2011, 29, 315-317. | 17.5 | 39 |
| 78 | High-value products from transgenic maize. <i>Biotechnology Advances</i> , 2011, 29, 40-53. | 11.7 | 48 |
| 79 | Simultaneous expression of Arabidopsis Î²-hydroxyphenylpyruvate dioxygenase and MPBQ methyltransferase in transgenic corn kernels triples the tocopherol content. <i>Transgenic Research</i> , 2011, 20, 177-181. | 2.4 | 42 |
| 80 | The potential impact of plant biotechnology on the Millennium Development Goals. <i>Plant Cell Reports</i> , 2011, 30, 249-265. | 5.6 | 47 |
| 81 | Nutritionally enhanced crops and food security: scientific achievements versus political expediency. <i>Current Opinion in Biotechnology</i> , 2011, 22, 245-251. | 6.6 | 60 |
| 82 | A golden eraâ€”pro-vitamin A enhancement in diverse crops. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2011, 47, 205-221. | 2.1 | 90 |
| 83 | Can Microbicides Turn the Tide Against HIV?. <i>Current Pharmaceutical Design</i> , 2010, 16, 468-485. | 1.9 | 15 |
| 84 | Critical evaluation of strategies for mineral fortification of staple food crops. <i>Transgenic Research</i> , 2010, 19, 165-180. | 2.4 | 236 |
| 85 | Molecular characterization of the Arginine decarboxylase gene family in rice. <i>Transgenic Research</i> , 2010, 19, 785-797. | 2.4 | 12 |
| 86 | 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 |
| 87 | Promoter diversity in multigene transformation. <i>Plant Molecular Biology</i> , 2010, 73, 363-378. | 3.9 | 155 |
| 88 | 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 |
| 89 | Transcriptional regulation of the rice arginine decarboxylase (<i>Adc1</i>) and <i>S</i> -adenosylmethionine decarboxylase (<i>Samdc</i>) genes by methyl jasmonate. <i>Plant Physiology and Biochemistry</i> , 2010, 48, 553-559. | 5.8 | 14 |
| 90 | Going to ridiculous lengthsâ€”European coexistence regulations for GM crops. <i>Nature Biotechnology</i> , 2010, 28, 133-136. | 17.5 | 68 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | Travel advice on the road to carotenoids in plants. <i>Plant Science</i> , 2010, 179, 28-48. | 3.6 | 151 |
| 92 | When more is better: multigene engineering in plants. <i>Trends in Plant Science</i> , 2010, 15, 48-56. | 8.8 | 187 |
| 93 | The regulation of carotenoid pigmentation in flowers. <i>Archives of Biochemistry and Biophysics</i> , 2010, 504, 132-141. | 3.0 | 149 |
| 94 | Plant biotechnology: the importance of being accurate. <i>Trends in Biotechnology</i> , 2009, 27, 609-612. | 9.3 | 12 |
| 95 | Calling the tunes on transgenic crops: the case for regulatory harmony. <i>Molecular Breeding</i> , 2009, 23, 99-112. | 2.1 | 33 |
| 96 | 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 |
| 97 | Metabolic engineering of ketocarotenoid biosynthesis in higher plants. <i>Archives of Biochemistry and Biophysics</i> , 2009, 483, 182-190. | 3.0 | 80 |
| 98 | 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 |
| 99 | Molecular pharming in cereal crops. <i>Phytochemistry Reviews</i> , 2008, 7, 579-592. | 6.5 | 56 |
| 100 | Transgenic wheat plants expressing an oat arginine decarboxylase cDNA exhibit increases in polyamine content in vegetative tissue and seeds. <i>Molecular Breeding</i> , 2008, 22, 39-50. | 2.1 | 21 |
| 101 | Trace and traceability—a call for regulatory harmony. <i>Nature Biotechnology</i> , 2008, 26, 975-978. | 17.5 | 68 |
| 102 | Maize plants: An ideal production platform for effective and safe molecular pharming. <i>Plant Science</i> , 2008, 174, 409-419. | 3.6 | 90 |
| 103 | Molecular regulation and biotechnology of carotenoid accumulation in flowers. <i>Journal of Biotechnology</i> , 2008, 136, S239-S240. | 3.8 | 0 |
| 104 | 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 |
| 105 | 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 |
| 106 | Transgenic strategies for the nutritional enhancement of plants. <i>Trends in Plant Science</i> , 2007, 12, 548-555. | 8.8 | 232 |
| 107 | The genetic manipulation of medicinal and aromatic plants. <i>Plant Cell Reports</i> , 2007, 26, 1689-1715. | 5.6 | 112 |
| 108 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | 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 |
| 110 | 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 |
| 111 | Particle bombardment and the genetic enhancement of crops: myths and realities. <i>Molecular Breeding</i> , 2005, 15, 305-327. | 2.1 | 291 |
| 112 | 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 |
| 113 | An alternative strategy for sustainable pest resistance in genetically enhanced crops. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7812-7816. | 7.1 | 110 |
| 114 | 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 |
| 115 | Dedifferentiation-mediated changes in transposition behavior make the Activator transposon an ideal tool for functional genomics in rice. <i>Molecular Breeding</i> , 2004, 13, 177-191. | 2.1 | 10 |
| 116 | Progress in plant metabolic engineering. <i>Current Opinion in Biotechnology</i> , 2004, 15, 148-154. | 6.6 | 201 |
| 117 | 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. <i>Planta</i> , 2003, 218, 125-134. | 3.2 | 25 |
| 118 | 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 |
| 119 | Development of a novel gene transfer system for <i>Cajanus cajan</i> and expression of a monocot arginine decarboxylase cDNA in transformed cell lines. <i>Plant Physiology and Biochemistry</i> , 2001, 39, 575-582. | 5.8 | 6 |
| 120 | Transgenic cell lines as a useful tool to study the biochemistry of down-regulation of an endogenous rice gene using a heterologous diamine-oxidase cDNA. <i>Plant Physiology and Biochemistry</i> , 2000, 38, 729-737. | 5.8 | 7 |
| 121 | A transgenic rice cell lineage expressing the oat arginine decarboxylase (adc) cDNA constitutively accumulates putrescine in callus and seeds but not in vegetative tissues. <i>Plant Molecular Biology</i> , 2000, 43, 537-544. | 3.9 | 31 |
| 122 | Promoter strength influences polyamine metabolism and morphogenic capacity in transgenic rice tissues expressing the oat adc cDNA constitutively. <i>Transgenic Research</i> , 2000, 9, 33-42. | 2.4 | 36 |
| 123 | Rapid high-performance liquid chromatographic method for the quantitation of polyamines as their dansyl derivatives: application to plant and animal tissues. <i>Biomedical Applications</i> , 1995, 666, 329-335. | 1.7 | 135 |
| 124 | Antisenescence properties of guazatine in osmotically stressed oat leaves. <i>Phytochemistry</i> , 1993, 32, 785-788. | 2.9 | 18 |
| 125 | Increasing the vitamin E content of food by in-plant production.. <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources</i> , 0, , 1-10. | 1.0 | 2 |