# Dominique Van Der Straeten

List of Publications by Year
in descending order



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|---|---|---|---|
| 265 papers | 18,110 citations | 7568 77 h-index | 16650 123 g-index |
| 288 all docs | 288 docs citations | 288 times ranked | 15726 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A novel panel of yeast assays for the assessment of thiamin and its biosynthetic intermediates in plant tissues. New Phytologist, 2022, 234, 748-763. | 7.3 | 5 |
| 2 | Mix-and-match: an improved, fast and accessible protocol for hypocotyl micrografting of Arabidopsis seedlings with systemic ACC responses as a case study. Plant Methods, 2022, 18, 24. | 4.3 | 2 |
| 3 | High-speed mapping of Hg and Se in biological tissue via laser ablation-inductively coupled plasma-mass spectrometry. Journal of Analytical Atomic Spectrometry, 2022, 37, 1455-1461. | 3.0 | 9 |
| 4 | Foliar and Root Comparative Metabolomics and Phenolic Profiling of Micro-Tom Tomato (Solanum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Treatments. Plants, 2022, 11, 1829. | 3.5 | 3 |
| 5 | Regulation of Plant Vitamin Metabolism: Backbone of Biofortification for the Alleviation of Hidden Hunger. Molecular Plant, 2021, 14, 40-60. | 8.3 | 25 |
| 6 | An optimized LC-MS/MS method as a pivotal tool to steer thiamine biofortification strategies in rice. Talanta, 2021, 224, 121905. | 5.5 | 5 |
| 7 | Comparable canopy and soil free-living nitrogen fixation rates in a lowland tropical forest. Science of the Total Environment, 2021, 754, 142202. | 8.0 | 10 |
| 8 | The Diverse Salt-Stress Response of Arabidopsis ctr1-1 and ein2-1 Ethylene Signaling Mutants Is Linked to Altered Root Auxin Homeostasis. Plants, 2021, 10, 452. | 3.5 | 10 |
| 9 | Metabolic engineering of rice endosperm towards higher vitamin B1 accumulation. Plant Biotechnology Journal, 2021, 19, 1253-1267. | 8.3 | 26 |
| 10 | N-terminal truncated RHT-1 proteins generated by translational reinitiation cause semi-dwarfing of wheat Green Revolution alleles. Molecular Plant, 2021, 14, 679-687. | 8.3 | 52 |
| 11 | At the Crossroads of Survival and Death: The Reactive Oxygen Speciesâ€“Ethyleneâ€“Sugar Triad and the Unfolded Protein Response. Trends in Plant Science, 2021, 26, 338-351. | 8.8 | 34 |
| 12 | Metabolic engineering provides insight into the regulation of thiamin biosynthesis in plants. Plant Physiology, 2021, 186, 1832-1847. | 4.8 | 10 |
| 13 | Impact of Nutrient Additions on Freeâ€Living Nitrogen Fixation in Litter and Soil of Two Frenchâ€Guianese Lowland Tropical Forests. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006023. | 3.0 | 4 |
| 14 | Cryptochromes are the dominant photoreceptors mediating heliotropic responses of Arabidopsis inflorescences. Plant, Cell and Environment, 2021, 44, 3246-3256. | 5.7 | 4 |
| 15 | The 5-formyl-tetrahydrofolate proteome links folates with C/N metabolism and reveals feedback regulation of folate biosynthesis. Plant Cell, 2021, 33, 3367-3385. | 6.6 | 12 |
| 16 | Imaging Mass Cytometry: A promising multiplex detection tool for plant science research. Molecular Plant, 2021, 14, 1241-1243. | 8.3 | 3 |
| 17 | Ethylene signaling in salt-stressed Arabidopsis thaliana ein2-1 and ctr1-1 mutants â€“ A dissection of molecular mechanisms involved in acclimation. Plant Physiology and Biochemistry, 2021, 167, 999-1010. | 5.8 | 6 |
| 18 | Regulation of nitrogen fixation from free-living organisms in soil and leaf litter of two tropical forests of the Guiana shield. Plant and Soil, 2020, 450, 93-110. | 3.7 | 23 |

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|---|---|---|---|
| 19 | Tools of the Ethylene Trade: A Chemical Kit to Influence Ethylene Responses in Plants and Its Use in Agriculture. Small Methods, 2020, 4, 1900267. | 8.6 | 15 |
| 20 | Phylogeny and Sequence Space: A Combined Approach to Analyze the Evolutionary Trajectories of Homologous Proteins. The Case Study of Aminodeoxychorismate Synthase. Acta Biotheoretica, 2020, 68, 139-156. | 1.5 | 2 |
| 21 | Multiplying the efficiency and impact of biofortification through metabolic engineering. Nature Communications, 2020, 11, 5203. | 12.8 | 106 |
| 22 | Ultraviolet Radiation From a Plant Perspective: The Plant-Microorganism Context. Frontiers in Plant Science, 2020, 11, 597642. | 3.6 | 60 |
| 23 | The involvement of the phytohormone ethylene in the adaptation of Arabidopsis rosettes to enhanced atmospheric carbon dioxide concentrations. Environmental and Experimental Botany, 2020, 177, 104128. | 4.2 | 5 |
| 24 | Editorial: Ethylene Biology and Beyond: Novel Insights in the Ethylene Pathway and Its Interactions. Frontiers in Plant Science, 2020, 11, 248. | 3.6 | 2 |
| 25 | The First Comprehensive LCâ€“MS/MS Method Allowing Dissection of the Thiamine Pathway in Plants. Analytical Chemistry, 2020, 92, 4073-4081. | 6.5 | 11 |
| 26 | Unravelling the functions of biogenic volatiles in boreal and temperate forest ecosystems. European Journal of Forest Research, 2019, 138, 763-787. | 2.5 | 53 |
| 27 | Differential UVR8 Signal across the Stem Controls UV-Bâ€“Induced Inflorescence Phototropism. Plant Cell, 2019, 31, 2070-2088. | 6.6 | 35 |
| 28 | Determination of Phototropism by UV-B Radiation. Methods in Molecular Biology, 2019, 1924, 131-139. | 0.9 | 2 |
| 29 | UVR8-dependent reporters reveal spatial characteristics of signal spreading in plant tissues. Photochemical and Photobiological Sciences, 2019, 18, 1030-1045. | 2.9 | 11 |
| 30 | Evolution of folate biosynthesis and metabolism across algae and land plant lineages. Scientific Reports, 2019, 9, 5731. | 3.3 | 35 |
| 31 | Clinical determination of folates: recent analytical strategies and challenges. Analytical and Bioanalytical Chemistry, 2019, 411, 4383-4399. | 3.7 | 9 |
| 32 | The Ethylene Precursor ACC Affects Early Vegetative Development Independently of Ethylene Signaling. Frontiers in Plant Science, 2019, 10, 1591. | 3.6 | 59 |
| 33 | Silver ions increase plasma membrane permeability through modulation of intracellular calcium levels in tobacco BY-2 cells. Plant Cell Reports, 2018, 37, 809-818. | 5.6 | 11 |
| 34 | The plant hormone ethylene restricts Arabidopsis growth via the epidermis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4130-E4139. | 7.1 | 127 |
| 35 | An ultraviolet B condition that affects growth and defense in Arabidopsis. Plant Science, 2018, 268, 54-63. | 3.6 | 40 |
| 36 | Folate Biofortification of Potato by Tuber-Specific Expression of Four Folate Biosynthesis Genes. Molecular Plant, 2018, 11, 175-188. | 8.3 | 49 |

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| 37 | Following the star: Inflorescence heliotropism. Environmental and Experimental Botany, 2018, 147, 75-85. | 4.2 | 8 |
| 38 | From in planta Function to Vitamin-Rich Food Crops: The ACE of Biofortification. Frontiers in Plant Science, 2018, 9, 1862. | 3.6 | 32 |
| 39 | Insights into the Evolution of Multicellularity from the Sea Lettuce Genome. Current Biology, 2018, 28, 2921-2933.e5. | 3.9 | 134 |
| 40 | Toward Eradication of B-Vitamin Deficiencies: Considerations for Crop Biofortification. Frontiers in Plant Science, 2018, 9, 443. | 3.6 | 41 |
| 41 | The Chara Genome: Secondary Complexity and Implications for Plant Terrestrialization. Cell, 2018, 174, 448-464.e24. | 28.9 | 420 |
| 42 | Branching gene expression during chrysanthemum axillary bud outgrowth regulated by strigolactone and auxin transport. Plant Growth Regulation, 2018, 86, 23-36. | 3.4 | 16 |
| 43 | Ethylene induced plant stress tolerance by Enterobacter sp. SA187 is mediated by 2â€ketoâ€4â€methylthiobutyric acid production. PLoS Genetics, 2018, 14, e1007273. | 3.5 | 95 |
| 44 | Robust Plant Segmentation from Challenging Background with a Multiband Acquisition and a Supervised Machine Learning Algorithm. , 2018, , . | | 0 |
| 45 | Regulation of seedling growth by ethylene and the ethyleneâ€“auxin crosstalk. Planta, 2017, 245, 467-489. | 3.2 | 70 |
| 46 | Constitutively Active Arabidopsis MAP Kinase 3 Triggers Defense Responses Involving Salicylic Acid and SUMM2 Resistance Protein. Plant Physiology, 2017, 174, 1238-1249. | 4.8 | 57 |
| 47 | Ethylene Controls Adventitious Root Initiation Sites in Arabidopsis Hypocotyls Independently of Strigolactones. Journal of Plant Growth Regulation, 2017, 36, 897-911. | 5.1 | 29 |
| 48 | Editorial overview: Biofortification of crops: achievements, future challenges, socio-economic, health and ethical aspects. Current Opinion in Biotechnology, 2017, 44, vii-x. | 6.6 | 13 |
| 49 | Ethylene. , 2017, , 403-410. | | 2 |
| 50 | Folate biofortification in food crops. Current Opinion in Biotechnology, 2017, 44, 202-211. | 6.6 | 78 |
| 51 | Plant Ethylene Detection Using Laser-Based Photo-Acoustic Spectroscopy. Methods in Molecular Biology, 2017, 1573, 11-26. | 0.9 | 4 |
| 52 | Light quality regulates plant architecture in different genotypes of Chrysanthemum morifolium Ramat. Scientia Horticulturae, 2017, 218, 177-186. | 3.6 | 18 |
| 53 | Exploiting DELLA Signaling in Cereals. Trends in Plant Science, 2017, 22, 880-893. | 8.8 | 115 |
| 54 | Dihydrofolate Reductase/Thymidylate Synthase Fine-Tunes the Folate Status and Controls Redox Homeostasis in Plants. Plant Cell, 2017, 29, 2831-2853. | 6.6 | 64 |

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| 55 | Elongator regulates hypocotyl growth in darkness and during photomorphogenesis. Journal of Cell Science, 2017, 131, . | 2.0 | 10 |
| 56 | Multiple PPR protein interactions are involved in the RNA editing system in Arabidopsis mitochondria and plastids. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8883-8888. | 7.1 | 91 |
| 57 | ACCERBATIN, a small molecule at the intersection of auxin and reactive oxygen species homeostasis with herbicidal properties. Journal of Experimental Botany, 2017, 68, 4185-4203. | 4.8 | 7 |
| 58 | Metabolic engineering of micronutrients in crop plants. Annals of the New York Academy of Sciences, 2017, 1390, 59-73. | 3.8 | 38 |
| 59 | Methods matter: a metaâ€regression on the determinants of willingnessâ€toâ€pay studies on biofortified foods. Annals of the New York Academy of Sciences, 2017, 1390, 34-46. | 3.8 | 32 |
| 60 | The socioeconomics of genetically modified biofortified crops: a systematic review and metaâ€analysis. Annals of the New York Academy of Sciences, 2017, 1390, 14-33. | 3.8 | 20 |
| 61 | Accumulation and Transport of 1-Aminocyclopropane-1-Carboxylic Acid (ACC) in Plants: Current Status, Considerations for Future Research and Agronomic Applications. Frontiers in Plant Science, 2017, 8, 38. | 3.6 | 105 |
| 62 | Folates in Plants: Research Advances and Progress in Crop Biofortification. Frontiers in Chemistry, 2017, 5, 21. | 3.6 | 141 |
| 63 | Differential coupling of gibberellin responses byRht-B1csuppressor alleles andRht-B1bin wheat highlights a unique role for the DELLA N-terminus in dormancy. Journal of Experimental Botany, 2017, 68, erw471. | 4.8 | 25 |
| 64 | Real-Time Analysis of the Apical Hook Development. Methods in Molecular Biology, 2017, 1497, 1-8. | 0.9 | 14 |
| 65 | Optimization of non-denaturing protein extraction conditions for plant PPR proteins. PLoS ONE, 2017, 12, e0187753. | 2.5 | 0 |
| 66 | Consumer Acceptance and Willingness-to-Pay for Genetically Modified Foods with Enhanced Vitamin Levels. , 2016, , 195-206. | | 1 |
| 67 | A Comparative Study of Ethylene Emanation upon Nitrogen Deficiency in Natural Accessions of Arabidopsis thaliana. Frontiers in Plant Science, 2016, 7, 70. | 3.6 | 9 |
| 68 | Hormone-controlled UV-B responses in plants. Journal of Experimental Botany, 2016, 67, 4469-4482. | 4.8 | 114 |
| 69 | Response to strigolactone treatment in chrysanthemum axillary buds is influenced by auxin transport inhibition and sucrose availability. Acta Physiologiae Plantarum, 2016, 38, 1. | 2.1 | 24 |
| 70 | Transcriptome Profiling of the Green Alga Spirogyra pratensis (Charophyta) Suggests an Ancestral Role for Ethylene in Cell Wall Metabolism, Photosynthesis, and Abiotic Stress Responses. Plant Physiology, 2016, 172, 533-545. | 4.8 | 52 |
| 71 | Cell type specificity of plant hormonal signals: Case studies and reflections on ethylene. Russian Journal of Plant Physiology, 2016, 63, 577-586. | 1.1 | 4 |
| 72 | REPRESSOR OF ULTRAVIOLET-B PHOTOMORPHOGENESIS function allows efficient phototropin mediated ultraviolet-B phototropism in etiolated seedlings. Plant Science, 2016, 252, 215-221. | 3.6 | 26 |

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| 73 | A Model of Differential Growth-Guided Apical Hook Formation in Plants. Plant Cell, 2016, 28, 2464-2477. | 6.6 | 53 |
| 74 | Degradation and interconversion of plant pteridines during sample preparation and ultra-high performance liquid chromatographyâ€“tandem mass spectrometry. Food Chemistry, 2016, 194, 1189-1198. | 8.2 | 7 |
| 75 | Change in Auxin and Cytokinin Levels Coincides with Altered Expression of Branching Genes during Axillary Bud Outgrowth in Chrysanthemum. PLoS ONE, 2016, 11, e0161732. | 2.5 | 39 |
| 76 | HORMONAL AND GENETIC REGULATION OF AXILLARY BUD OUTGROWTH IN CHRYSANTHEMUM MORIFOLIUM DURING FLORAL INITIATION. Acta Horticulturae, 2015, , 179-185. | 0.2 | 1 |
| 77 | Determination of Five Folate Monoglutamates in Rodent Diets. Journal of Agricultural and Food Chemistry, 2015, 63, 10089-10095. | 5.2 | 1 |
| 78 | Folates from metabolically engineered rice: A long-term study in rats. Molecular Nutrition and Food Research, 2015, 59, 490-500. | 3.3 | 15 |
| 79 | Strategies of seedlings to overcome their sessile nature: auxin in mobility control. Frontiers in Plant Science, 2015, 6, 218. | 3.6 | 35 |
| 80 | The Potential Market for GM Rice with Health Benefits in a Chinese High-Risk Region. Journal of Food Products Marketing, 2015, 21, 231-243. | 3.3 | 15 |
| 81 | Status and market potential of transgenic biofortified crops. Nature Biotechnology, 2015, 33, 25-29. | 17.5 | 86 |
| 82 | Ethylene signalling is mediating the early cadmium-induced oxidative challenge in Arabidopsis thaliana. Plant Science, 2015, 239, 137-146. | 3.6 | 59 |
| 83 | Ethylene biosynthesis is involved in the early oxidative challenge induced by moderate Cd exposure in Arabidopsis thaliana. Environmental and Experimental Botany, 2015, 117, 1-11. | 4.2 | 41 |
| 84 | ALTERNATIVE OXIDASE1a modulates the oxidative challenge during moderate Cd exposure in Arabidopsis thaliana leaves. Journal of Experimental Botany, 2015, 66, 2967-2977. | 4.8 | 38 |
| 85 | A validated ultra-high-performance liquid chromatographyâ€“tandem mass spectrometry method for the selective analysis of free and total folate in plasma and red blood cells. Journal of Chromatography A, 2015, 1398, 20-28. | 3.7 | 20 |
| 86 | Improving folate (vitamin B9) stability in biofortified rice through metabolic engineering. Nature Biotechnology, 2015, 33, 1076-1078. | 17.5 | 140 |
| 87 | Ethylene and Hormonal Cross Talk in Vegetative Growth and Development. Plant Physiology, 2015, 169, 61-72. | 4.8 | 162 |
| 88 | Ultraviolet-B radiation stimulates downward leaf curling in Arabidopsis thaliana. Plant Physiology and Biochemistry, 2015, 93, 9-17. | 5.8 | 35 |
| 89 | Genetically Modified Rice with Health Benefits as a Means to Reduce Micronutrient Malnutrition. , 2014, , 283-299. | | 12 |
| 90 | 1-aminocyclopropane-1-carboxylic acid (ACC) in plants: more than just the precursor of ethylene!. Frontiers in Plant Science, 2014, 5, 640. | 3.6 | 213 |

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| 91 | Differential Accumulation of ELONGATED HYPOCOTYL5 Correlates with Hypocotyl Bending to Ultraviolet-B Light. Plant Physiology, 2014, 166, 40-43. | 4.8 | 15 |
| 92 | Present and future of folate biofortification of crop plants. Journal of Experimental Botany, 2014, 65, 895-906. | 4.8 | 98 |
| 93 | Dynamic infrared imaging analysis of apical hook development in Arabidopsis: the case of brassinosteroids. New Phytologist, 2014, 202, 1398-1411. | 7.3 | 31 |
| 94 | Wounding stress causes rapid increase in concentration of the naturally occurring 2â€²,3â€²-isomers of cyclic guanosine- and cyclic adenosine monophosphate (cGMP and cAMP) in plant tissues. Phytochemistry, 2014, 103, 59-66. | 2.9 | 53 |
| 95 | Photoreceptor-Mediated Bending towards UV-B in Arabidopsis. Molecular Plant, 2014, 7, 1041-1052. | 8.3 | 68 |
| 96 | The Arabidopsis thaliana RNA Editing Factor SLO2, which Affects the Mitochondrial Electron Transport Chain, Participates in Multiple Stress and Hormone Responses. Molecular Plant, 2014, 7, 290-310. | 8.3 | 99 |
| 97 | Cadmium-induced ethylene production and responses in Arabidopsis thaliana rely on ACS2 and ACS6 gene expression. BMC Plant Biology, 2014, 14, 214. | 3.6 | 152 |
| 98 | Folate Profiling in Potato (Solanum tuberosum) Tubers by Ultrahigh-Performance Liquid Chromatographyâ€“Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2014, 62, 3092-3100. | 5.2 | 13 |
| 99 | Conceptual framework for ex-ante evaluation at the micro/macro level of GM crops with health benefits. Trends in Food Science and Technology, 2014, 39, 116-134. | 15.1 | 19 |
| 100 | TR-DB: An open-access database of compounds affecting the ethylene-induced triple response in Arabidopsis. Plant Physiology and Biochemistry, 2014, 75, 128-137. | 5.8 | 8 |
| 101 | Engineering Complex Metabolic Pathways in Plants. Annual Review of Plant Biology, 2014, 65, 187-223. | 18.7 | 117 |
| 102 | Evaluating GM biofortified rice in areas with a high prevalence of folate deficiency. International Journal of Biotechnology, 2014, 13, 257. | 1.2 | 1 |
| 103 | Isolation and characterisation of an antifolate insensitive (afi1) mutant of Arabidopsis thaliana. Plant Biology, 2013, 15, 37-44. | 3.8 | 4 |
| 104 | Rice folate enhancement through metabolic engineering has an impact on rice seed metabolism, but does not affect the expression of the endogenous folate biosynthesis genes. Plant Molecular Biology, 2013, 83, 329-349. | 3.9 | 29 |
| 105 | ERF115 Controls Root Quiescent Center Cell Division and Stem Cell Replenishment. Science, 2013, 342, 860-863. | 12.6 | 263 |
| 106 | Brassinosteroid control of shoot gravitropism interacts with ethylene and depends on auxin signaling components. American Journal of Botany, 2013, 100, 215-225. | 1.7 | 56 |
| 107 | Multiple leaf tracking using computer vision methods with shape constraints. , 2013, , . | | 1 |
| 108 | Xyloglucan endotransglucosylase/hydrolase (XTH) overexpression affects growth and cell wall mechanics in etiolated Arabidopsis hypocotyls. Journal of Experimental Botany, 2013, 64, 2481-2497. | 4.8 | 108 |

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| 109 | Enhancing pterin and para-aminobenzoate content is not sufficient to successfully biofortify potato tubers and Arabidopsis thaliana plants with folate. Journal of Experimental Botany, 2013, 64, 3899-3909. | 4.8 | 53 |
| 110 | How negative product attributes alter consumer perceptions of folate biofortified rice in a high risk region of China. International Journal of Biotechnology, 2013, 12, 269. | 1.2 | 12 |
| 111 | Biofortified Rice to Fight Folate Deficiency. , 2013, , 321-334. | | 1 |
| 112 | Market Potential of Folate Biofortified Rice in China. , 2013, , 357-370. | | 0 |
| 113 | Functional analysis of SLO2 provides new insight into the role of plant PPR proteins. Plant Signaling and Behavior, 2012, 7, 1209-1211. | 2.4 | 6 |
| 114 | Inhibition of p-Aminobenzoate and Folate Syntheses in Plants and Apicomplexan Parasites by Natural Product Rubreserine. Journal of Biological Chemistry, 2012, 287, 22367-22376. | 3.4 | 18 |
| 115 | Rosette Tracker: An Open Source Image Analysis Tool for Automatic Quantification of Genotype Effects Â Â. Plant Physiology, 2012, 160, 1149-1159. | 4.8 | 123 |
| 116 | Ex-ante Evaluation of Biotechnology Innovations: the Case of Folate Biofortified Rice in China. Current Pharmaceutical Biotechnology, 2012, 13, 2751-2760. | 1.6 | 17 |
| 117 | A Simple Mass Balance Model for Lettuce - The Water Balance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1442-1447. | 0.4 | 1 |
| 118 | Ethylene in vegetative development: a tale with a riddle. New Phytologist, 2012, 194, 895-909. | 7.3 | 124 |
| 119 | A model development approach to ensure identifiability of a simple mass balance model for photosynthesis and respiration in a plant growth chamber. Ecological Modelling, 2012, 246, 105-118. | 2.5 | 5 |
| 120 | A non-rigid registration method for multispectral imaging of plants. Proceedings of SPIE, 2012, , . | 0.8 | 4 |
| 121 | Selection and hydroponic growth of potato cultivars for bioregenerative life support systems. Advances in Space Research, 2012, 50, 156-165. | 2.6 | 21 |
| 122 | Potential impact and cost-effectiveness of multi-biofortified rice in China. New Biotechnology, 2012, 29, 432-442. | 4.4 | 92 |
| 123 | A folate independent role for cytosolic HPPK/DHPS upon stress in Arabidopsis thaliana. Phytochemistry, 2012, 73, 23-33. | 2.9 | 23 |
| 124 | SLO2, a mitochondrial pentatricopeptide repeat protein affecting several RNA editing sites, is required for energy metabolism. Plant Journal, 2012, 71, 836-849. | 5.7 | 113 |
| 125 | Developmental Stages in Dynamic Plant Growth Models. , 2011, , . | | 1 |
| 126 | Hierarchy of hormone action controlling apical hook development in Arabidopsis. Plant Journal, 2011, 67, 622-634. | 5.7 | 92 |

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| 127 | Evaluation of automated sample preparation, retention time locked gas chromatographyâ€“mass spectrometry and data analysis methods for the metabolomic study of Arabidopsis species. Journal of Chromatography A, 2011, 1218, 3247-3254. | 3.7 | 37 |
| 128 | XAP5 CIRCADIAN TIMEKEEPER Regulates Ethylene Responses in Aerial Tissues of Arabidopsis Â Â. Plant Physiology, 2011, 155, 988-999. | 4.8 | 27 |
| 129 | The Role of Brassinosteroids in Shoot Gravitropism Â Â. Plant Physiology, 2011, 156, 1331-1336. | 4.8 | 34 |
| 130 | Dissecting the Role of CHITINASE-LIKE1 in Nitrate-Dependent Changes in Root Architecture Â Â. Plant Physiology, 2011, 157, 1313-1326. | 4.8 | 28 |
| 131 | Apoplastic Alkalinization Is Instrumental for the Inhibition of Cell Elongation in the Arabidopsis Root by the Ethylene Precursor 1-Aminocyclopropane-1-Carboxylic Acid Â Â. Plant Physiology, 2011, 155, 2049-2055. | 4.8 | 88 |
| 132 | Leaf Segmentation and Tracking Using Probabilistic Parametric Active Contours. Lecture Notes in Computer Science, 2011, , 75-85. | 1.3 | 15 |
| 133 | Identification of simple mass balance models for plant growth - Towards food production on manned space missions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 335-340. | 0.4 | 4 |
| 134 | Folates and Folic Acid: From Fundamental Research Toward Sustainable Health. Critical Reviews in Plant Sciences, 2010, 29, 14-35. | 5.7 | 114 |
| 135 | Ultra-performance liquid chromatographyâ€“tandem mass spectrometry (UPLCâ€“MS/MS) for the sensitive determination of folates in rice. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 509-513. | 2.3 | 56 |
| 136 | Health impact in China of folate-biofortified rice. Nature Biotechnology, 2010, 28, 554-556. | 17.5 | 47 |
| 137 | Role of PIN-mediated auxin efflux in apical hook development ofArabidopsis thaliana. Development (Cambridge), 2010, 137, 607-617. | 2.5 | 297 |
| 138 | The auxin influx carriers AUX1 and LAX3 are involved in auxin-ethylene interactions during apical hook development inArabidopsis thalianaseedlings. Development (Cambridge), 2010, 137, 597-606. | 2.5 | 226 |
| 139 | Plant Elongator regulates auxin-related genes during RNA polymerase II transcription elongation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1678-1683. | 7.1 | 112 |
| 140 | Willingness-to-accept and purchase genetically modified rice with high folate content in Shanxi Province, China. Appetite, 2010, 54, 118-125. | 3.7 | 99 |
| 141 | Tracking multiple objects using moving snakes. , 2009, , . | | 4 |
| 142 | Ethylene levels are regulated by a plant encoded 1â€aminocyclopropaneâ€1â€carboxylic acid deaminase. Physiologia Plantarum, 2009, 136, 94-109. | 5.2 | 67 |
| 143 | C1 metabolism and chlorophyll synthesis: the Mgâ€protoporphyrin IX methyltransferase activity is dependent on the folate status. New Phytologist, 2009, 182, 137-145. | 7.3 | 51 |
| 144 | Multiâ€sensor plant imaging: Towards the development of a stressâ€catalogue. Biotechnology Journal, 2009, 4, 1152-1167. | 3.5 | 90 |

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|---|---|---|---|
| 145 | Optimisation and validation of a liquid chromatographyâ€“tandem mass spectrometry method for folates in rice. Journal of Chromatography A, 2008, 1215, 125-132. | 3.7 | 54 |
| 146 | Reduced gibberellin response affects ethylene biosynthesis and responsiveness in the Arabidopsis gai eto2â€1 double mutant. New Phytologist, 2008, 177, 128-141. | 7.3 | 17 |
| 147 | Folate biofortification in food plants. Trends in Plant Science, 2008, 13, 28-35. | 8.8 | 112 |
| 148 | Ethylene: Fine-tuning plant growth and development by stimulation and inhibition of elongation. Plant Science, 2008, 175, 59-70. | 3.6 | 74 |
| 149 | Novel mechanisms of ethylene-gibberellin crosstalk revealed by thegai eto2-1double mutant. Plant Signaling and Behavior, 2008, 3, 1113-1115. | 2.4 | 18 |
| 150 | A Genome-Wide and Metabolic Analysis Determined the Adaptive Response of Arabidopsis Cells to Folate Depletion Induced by Methotrexate. Plant Physiology, 2008, 148, 2083-2095. | 4.8 | 41 |
| 151 | Ethylene: Inhibitor and Stimulator of Plant Growth. Plant Cell Monographs, 2008, , 199-221. | 0.4 | 1 |
| 152 | Microtubules And The Control Of Cell Elongation In Arabidopsis Roots. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 73-90. | 0.2 | 5 |
| 153 | Ethylene Upregulates Auxin Biosynthesis inArabidopsisSeedlings to Enhance Inhibition of Root Cell Elongation. Plant Cell, 2007, 19, 2186-2196. | 6.6 | 536 |
| 154 | Regulation of One-Carbon Metabolism in Arabidopsis: The N-Terminal Regulatory Domain of Cystathionine Î³-Synthase Is Cleaved in Response to Folate Starvation. Plant Physiology, 2007, 145, 491-503. | 4.8 | 53 |
| 155 | Cytosolic Hydroxymethyldihydropterin Pyrophosphokinase/Dihydropteroate Synthase from Arabidopsis thaliana. Journal of Biological Chemistry, 2007, 282, 10749-10761. | 3.4 | 36 |
| 156 | Ethylene-induced Arabidopsis hypocotyl elongation is dependent on but not mediated by gibberellins. Journal of Experimental Botany, 2007, 58, 4269-4281. | 4.8 | 64 |
| 157 | Multicolor fluorescence imaging for early detection of the hypersensitive reaction to tobacco mosaic virus. Journal of Plant Physiology, 2007, 164, 253-262. | 3.5 | 88 |
| 158 | Monitoring and screening plant populations with combined thermal and chlorophyll fluorescence imaging. Journal of Experimental Botany, 2007, 58, 773-784. | 4.8 | 215 |
| 159 | The plant stress hormone ethylene controls floral transition via DELLA-dependent regulation of floral meristem-identity genes. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6484-6489. | 7.1 | 334 |
| 160 | Cryptochrome Blue Light Photoreceptors Are Activated through Interconversion of Flavin Redox States. Journal of Biological Chemistry, 2007, 282, 9383-9391. | 3.4 | 349 |
| 161 | To grow or not to grow: what can we learn on ethylene-gibberellin cross-talk by in silico gene expression analysis?. Journal of Experimental Botany, 2007, 59, 1-16. | 4.8 | 63 |
| 162 | Early detection of nutrient and biotic stress in Phaseolus vulgaris. International Journal of Remote Sensing, 2007, 28, 3479-3492. | 2.9 | 52 |

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| 163 | pH stability of individual folates during critical sample preparation steps in prevision of the analysis of plant folates. Phytochemical Analysis, 2007, 18, 496-508. | 2.4 | 100 |
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