# Christopher I Cazzonelli

List of Publications by Year
in descending order



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|---|---|---|---|
| 62 papers | 3,174 citations | 236925 25 h-index | 161849 54 g-index |
| 73 all docs | 73 docs citations | 73 times ranked | 3721 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Abscisic acid supports colonization of Eucalyptus grandis roots by the mutualistic ectomycorrhizal fungus Pisolithus microcarpus. New Phytologist, 2022, 233, 966-982. | 7.3 | 12 |
| 2 | Mechanical stress acclimation in plants: Linking hormones and somatic memory to thigmomorphogenesis. Plant, Cell and Environment, 2022, 45, 989-1010. | 5.7 | 13 |
| 3 | Purification and use of carotenoid standards to quantify cis-trans geometrical carotenoid isomers in plant tissues. Methods in Enzymology, 2022, , 57-85. | 1.0 | 10 |
| 4 | Horticultural innovation by viral-induced gene regulation of carotenogenesis. Horticulture Research, 2022, 9, . | 6.3 | 4 |
| 5 | Precision Pollination Strategies for Advancing Horticultural Tomato Crop Production. Agronomy, 2022, 12, 518. | 3.0 | 9 |
| 6 | A foliar pigment-based bioassay for interrogating chloroplast signalling revealed that carotenoid isomerisation regulates chlorophyll abundance. Plant Methods, 2022, 18, 18. | 4.3 | 4 |
| 7 | Smart Glass Film Reduced Ascorbic Acid in Red and Orange Capsicum Fruit Cultivars without Impacting Shelf Life. Plants, 2022, 11, 985. | 3.5 | 8 |
| 8 | A novel cover material improves cooling energy and fertigation efficiency for glasshouse eggplant production. Energy, 2022, 251, 123871. | 8.8 | 14 |
| 9 | Contrasting impacts of herbivore induction and elevated atmospheric CO<sub>2</sub> on silicon defences and consequences for subsequent herbivores. Entomologia Experimentalis Et Applicata, 2022, 170, 681-688. | 1.4 | 3 |
| 10 | Tangerine tomato roots show increased accumulation of acyclic carotenoids, less abscisic acid, drought sensitivity, and impaired endomycorrhizal colonization. Plant Science, 2022, 321, 111308. | 3.6 | 3 |
| 11 | Current Technologies and Target Crops: A Review on Australian Protected Cropping. Crops, 2022, 2, 172-185. | 1.4 | 6 |
| 12 | Shortâ€term resistance that persists: Rapidly induced silicon antiâ€herbivore defence affects carbonâ€based plant defences. Functional Ecology, 2021, 35, 82-92. | 3.6 | 22 |
| 13 | Epigenetic Control of Carotenogenesis During Plant Development. Critical Reviews in Plant Sciences, 2021, 40, 23-48. | 5.7 | 16 |
| 14 | Smart glass impacts stomatal sensitivity of greenhouse Capsicum through altered light. Journal of Experimental Botany, 2021, 72, 3235-3248. | 4.8 | 13 |
| 15 | Short photoperiod attenuates CO2 fertilization effect on shoot biomass in Arabidopsis thaliana. Physiology and Molecular Biology of Plants, 2021, 27, 825-834. | 3.1 | 2 |
| 16 | Antiâ€herbivore silicon defences in a model grass are greatest under Miocene levels of atmospheric CO<sub>2</sub>. Global Change Biology, 2021, 27, 2959-2969. | 9.5 | 9 |
| 17 | Light-altering cover materials and sustainable greenhouse production of vegetables: a review. Plant Growth Regulation, 2021, 95, 1-17. | 3.4 | 27 |
| 18 | Shortâ€term exposure to silicon rapidly enhances plant resistance to herbivory. Ecology, 2021, 102, e03438. | 3.2 | 12 |

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|---|---|---|---|
| 19 | An extreme heatwave enhanced the xanthophyll de-epoxidation state in leaves of Eucalyptus trees grown in the field. Physiology and Molecular Biology of Plants, 2020, 26, 211-218. | 3.1 | 11 |
| 20 | Effect of high light on canopy-level photosynthesis and leaf mesophyll ion flux in tomato. Planta, 2020, 252, 80. | 3.2 | 15 |
| 21 | Prolonged cold exposure to Arabidopsis juvenile seedlings extends vegetative growth and increases the number of shoot branches. Plant Signaling and Behavior, 2020, 15, 1789320. | 2.4 | 5 |
| 22 | Contrasting effects of Miocene and Anthropocene levels of atmospheric CO<sub>2</sub>on silicon accumulation in a model grass. Biology Letters, 2020, 16, 20200608. | 2.3 | 10 |
| 23 | Lightâ€limited photosynthesis under energyâ€saving film decreases eggplant yield. Food and Energy Security, 2020, 9, e245. | 4.3 | 31 |
| 24 | Environmental impacts on carotenoid metabolism in leaves. Plant Growth Regulation, 2020, 92, 455-477. | 3.4 | 33 |
| 25 | Prior exposure of Arabidopsis seedlings to mechanical stress heightens jasmonic acid-mediated defense against necrotrophic pathogens. BMC Plant Biology, 2020, 20, 548. | 3.6 | 18 |
| 26 | Microbes in Helicoverpa armigera oral secretions contribute to increased senescence around plant wounds. Ecological Entomology, 2020, 45, 1224-1229. | 2.2 | 0 |
| 27 | cis/trans Carotenoid Extraction, Purification, Detection, Quantification, and Profiling in Plant Tissues. Methods in Molecular Biology, 2020, 2083, 145-163. | 0.9 | 18 |
| 28 | A cis-carotene derived apocarotenoid regulates etioplast and chloroplast development. ELife, 2020, 9, . | 6.0 | 49 |
| 29 | Simulated Herbivory: The Key to Disentangling Plant Defence Responses. Trends in Ecology and Evolution, 2019, 34, 447-458. | 8.7 | 64 |
| 30 | Molecular Evolution and Interaction of Membrane Transport and Photoreception in Plants. Frontiers in Genetics, 2019, 10, 956. | 2.3 | 21 |
| 31 | Metabolic similarity of plant and human: implications for efficacy and regulatory compliance of herbal therapies. Australian Herbal Insight, 2019, 2, . | 0.1 | 0 |
| 32 | Leaf-age dependent response of carotenoid accumulation to elevated CO2 in Arabidopsis. Archives of Biochemistry and Biophysics, 2018, 647, 67-75. | 3.0 | 29 |
| 33 | cis-carotene biosynthesis, evolution and regulation in plants: The emergence of novel signaling metabolites. Archives of Biochemistry and Biophysics, 2018, 654, 172-184. | 3.0 | 46 |
| 34 | Establishment of an Arabidopsis callus system to study the interrelations of biosynthesis, degradation and accumulation of carotenoids. PLoS ONE, 2018, 13, e0192158. | 2.5 | 52 |
| 35 | A chloroplast retrograde signal, 3â€™-phosphoadenosine 5â€™-phosphate, acts as a secondary messenger in abscisic acid signaling in stomatal closure and germination. ELife, 2017, 6, . | 6.0 | 132 |
| 36 | The promoter of theArabidopsisPIN6 auxin transporter enabled strong expression in the vasculature of roots, leaves, floral stems and reproductive organs. Plant Signaling and Behavior, 2014, 9, e27898. | 2.4 | 20 |

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|---|---|---|---|
| 37 | A chromatin modifying enzyme, SDG8, is involved in morphological, gene expression, and epigenetic responses to mechanical stimulation. Frontiers in Plant Science, 2014, 5, 533. | 3.6 | 44 |
| 38 | The mitochondrial outer membrane <scp>AAA ATP</scp>ase At<scp>OM</scp>66 affects cell death and pathogen resistance in <scp>A</scp>rabidopsis thaliana. Plant Journal, 2014, 80, 709-727. | 5.7 | 80 |
| 39 | Periodic root branching in Arabidopsis requires synthesis of an uncharacterized carotenoid derivative. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1300-9. | 7.1 | 139 |
| 40 | An Uncharacterized Apocarotenoid-Derived Signal Generated in Î¶-Carotene Desaturase Mutants Regulates Leaf Development and the Expression of Chloroplast and Nuclear Genes inArabidopsisÂ Â. Plant Cell, 2014, 26, 2524-2537. | 6.6 | 160 |
| 41 | Role of the Arabidopsis PIN6 Auxin Transporter in Auxin Homeostasis and Auxin-Mediated Development. PLoS ONE, 2013, 8, e70069. | 2.5 | 65 |
| 42 | Inflorescence stem grafting made easy in Arabidopsis. Plant Methods, 2012, 8, 50. | 4.3 | 23 |
| 43 | Transgene Silencing and Transgene-Derived siRNA Production in Tobacco Plants Homozygous for an Introduced AtMYB90 Construct. PLoS ONE, 2012, 7, e30141. | 2.5 | 20 |
| 44 | Carotenoids in nature: insights from plants and beyond. Functional Plant Biology, 2011, 38, 833. | 2.1 | 397 |
| 45 | The 5â€² untranslated region of the VR-ACS1 mRNA acts as a strong translational enhancer in plants. Transgenic Research, 2010, 19, 667-674. | 2.4 | 20 |
| 46 | Transcriptional Control of SET DOMAIN GROUP 8 and CAROTENOID ISOMERASE during Arabidopsis Development. Molecular Plant, 2010, 3, 174-191. | 8.3 | 65 |
| 47 | Biosynthesis and Regulation of Carotenoids in Plantsâ€"Micronutrients, Vitamins and Health Benefits. , 2010, , 117-137. | | 9 |
| 48 | Source to sink: regulation of carotenoid biosynthesis in plants. Trends in Plant Science, 2010, 15, 266-274. | 8.8 | 732 |
| 49 | A Spontaneous Dominant-Negative Mutation within a 35S::AtMYB90 Transgene Inhibits Flower Pigment Production in Tobacco. PLoS ONE, 2010, 5, e9917. | 2.5 | 13 |
| 50 | Promoting gene expression in plants by permissive histone lysine methylation. Plant Signaling and Behavior, 2009, 4, 484-488. | 2.4 | 26 |
| 51 | Regulation of Carotenoid Composition and Shoot Branching inArabidopsisby a Chromatin Modifying Histone Methyltransferase, SDG8. Plant Cell, 2009, 21, 39-53. | 6.6 | 207 |
| 52 | Potential implications for epigenetic regulation of carotenoid biosynthesis during root and shoot development. Plant Signaling and Behavior, 2009, 4, 339-341. | 2.4 | 30 |
| 53 | Alternative splicing, activation of cryptic exons and amino acid substitutions in carotenoid biosynthetic genes are associated with lutein accumulation in wheat endosperm. Functional and Integrative Genomics, 2009, 9, 363-376. | 3.5 | 118 |
| 54 | InÂvivo characterization of plant promoter element interaction using synthetic promoters. Transgenic Research, 2008, 17, 437-457. | 2.4 | 30 |

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|---|---|---|---|
| 55 | An in vivo, luciferase-based, Agrobacterium-infiltration assay system: implications for post-transcriptional gene silencing. Planta, 2006, 224, 582-597. | 3.2 | 39 |
| 56 | Characterization of a Strong, Constitutive Mung Bean (Vigna radiata L.) Promoter with a Complex Mode of Regulation in planta. Transgenic Research, 2005, 14, 941-967. | 2.4 | 34 |
| 57 | Functional characterization of the geminiviral conserved late element (CLE) in uninfected tobacco. Plant Molecular Biology, 2005, 58, 465-481. | 3.9 | 13 |
| 58 | Plant viral intergenic DNA sequence repeats with transcription enhancing activity. Virology Journal, 2005, 2, 16. | 3.4 | 14 |
| 59 | Analysis of RNA-mediated gene silencing using a new vector (pKNOCKOUT) and an in plantaAgrobacterium transient expression system. Plant Molecular Biology Reporter, 2004, 22, 347-359. | 1.8 | 6 |
| 60 | Construction and testing of an intron-containing luciferase reporter gene fromRenilla reniformis. Plant Molecular Biology Reporter, 2003, 21, 271-280. | 1.8 | 12 |
| 61 | TOWARDS THE PRODUCTION OF TRANSGENIC PINEAPPLE TO CONTROL FLOWERING AND RIPENING. Acta Horticulturae, 2000, , 115-122. | 0.2 | 26 |
| 62 | Cloning and characterisation of ripening-induced ethylene biosynthetic genes from non-climacteric pineapple (Ananas comosus) fruits. Functional Plant Biology, 1998, 25, 513. | 2.1 | 43 |