

Santiago Signorelli

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,551
citations

361413

20
h-index

361022

35
g-index

42
all docs

42
docs citations

42
times ranked

1929
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The bud dormancy disconnect: latent buds of grapevine are dormant during summer despite a high metabolic rate. <i>Journal of Experimental Botany</i> , 2022, 73, 2061-2076. | 4.8 | 10 |
| 2 | Postharvest chitosan application maintains the quality of spinach through suppression of bacterial growth and elicitation. <i>Horticulture Environment and Biotechnology</i> , 2022, 63, 217. | 2.1 | 3 |
| 3 | Soil Water Content Directly Affects Bud Burst Rate in Single-Node Cuttings of Perennial Plants. <i>Agronomy</i> , 2022, 12, 360. | 3.0 | 2 |
| 4 | Crop Performance Indexes Applied to Legume Used as Summer Cover Crops under Water Deficit Conditions. <i>Agronomy</i> , 2022, 12, 443. | 3.0 | 3 |
| 5 | Alternative oxidase (AOX) 1a and 1d limit proline-induced oxidative stress and aid salinity recovery in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2022, 188, 1521-1536. | 4.8 | 26 |
| 6 | Endogenous NO accumulation in soybean is associated with initial stomatal response to water deficit. <i>Physiologia Plantarum</i> , 2021, 172, 564-576. | 5.2 | 7 |
| 7 | The barrier to radial oxygen loss impedes the apoplastic entry of iron into the roots of <i>Urochloa humidicola</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 3279-3293. | 4.8 | 16 |
| 8 | Autophagy mutants show delayed chloroplast development during de-etiolation in carbon limiting conditions. <i>Plant Journal</i> , 2021, 108, 459-477. | 5.7 | 6 |
| 9 | GABA and Proline Metabolism in Response to Stress. <i>Plant in Challenging Environments</i> , 2021, , 291-314. | 0.4 | 4 |
| 10 | The initiation of bud burst in grapevine features dynamic regulation of the apoplastic pore size. <i>Journal of Experimental Botany</i> , 2020, 71, 719-729. | 4.8 | 20 |
| 11 | Strategies to revise agrosystems and breeding to control Fusarium wilt of banana. <i>Nature Food</i> , 2020, 1, 599-604. | 14.0 | 32 |
| 12 | γ -Aminobutyric acid and related amino acids in plant immune responses: Emerging mechanisms of action. <i>Plant, Cell and Environment</i> , 2020, 43, 1103-1116. | 5.7 | 73 |
| 13 | The Role of Nitric Oxide in Nitrogen Fixation by Legumes. <i>Frontiers in Plant Science</i> , 2020, 11, 521. | 3.6 | 22 |
| 14 | Drought stress triggers the accumulation of NO and SNOs in cortical cells of <i>Lotus japonicus</i> L. roots and the nitration of proteins with relevant metabolic function. <i>Environmental and Experimental Botany</i> , 2019, 161, 228-241. | 4.2 | 21 |
| 15 | Editorial: Sugars and Autophagy in Plants. <i>Frontiers in Plant Science</i> , 2019, 10, 1190. | 3.6 | 8 |
| 16 | Autophagy in Plants: Both a Puppet and a Puppet Master of Sugars. <i>Frontiers in Plant Science</i> , 2019, 10, 14. | 3.6 | 67 |
| 17 | Linking Autophagy to Abiotic and Biotic Stress Responses. <i>Trends in Plant Science</i> , 2019, 24, 413-430. | 8.8 | 203 |
| 18 | Proline Metabolism and Its Functions in Development and Stress Tolerance. , 2019, , 41-72. | | 48 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Regulation of Proline Accumulation and Its Molecular and Physiological Functions in Stress Defence. , 2019, , 73-97. | | 52 |
| 20 | Rhizobium inoculants for alfalfa in acid soils: A proposal for Uruguay. <i>Agrociencia</i> , 2019, 23, . | 0.1 | 4 |
| 21 | Developmental control of hypoxia during bud burst in grapevine. <i>Plant, Cell and Environment</i> , 2018, 41, 1154-1170. | 5.7 | 43 |
| 22 | Roles for Light, Energy, and Oxygen in the Fate of Quiescent Axillary Buds. <i>Plant Physiology</i> , 2018, 176, 1171-1181. | 4.8 | 35 |
| 23 | Nitric Oxide Enables Germination by a Four-Pronged Attack on ABA-Induced Seed Dormancy. <i>Frontiers in Plant Science</i> , 2018, 9, 296. | 3.6 | 53 |
| 24 | Learning To Breathe: Developmental Phase Transitions in Oxygen Status. <i>Trends in Plant Science</i> , 2017, 22, 140-153. | 8.8 | 54 |
| 25 | Cell cycle arrest in plants: what distinguishes quiescence, dormancy and differentiated G1?. <i>Annals of Botany</i> , 2017, 120, 495-509. | 2.9 | 60 |
| 26 | Identification of γ -pyrroline 5-carboxylate synthase (<i>P5CS</i>) genes involved in the synthesis of proline in <i>Lotus japonicus</i> . <i>Plant Signaling and Behavior</i> , 2017, 12, e1367464. | 2.4 | 25 |
| 27 | The Fermentation Analogy: A Point of View for Understanding the Intriguing Role of Proline Accumulation in Stressed Plants. <i>Frontiers in Plant Science</i> , 2016, 7, 1339. | 3.6 | 64 |
| 28 | Photosynthetic responses mediate the adaptation of two <i>Lotus japonicus</i> ecotypes to low temperature. <i>Plant Science</i> , 2016, 250, 59-68. | 3.6 | 19 |
| 29 | In vivo and in vitro approaches demonstrate proline is not directly involved in the protection against superoxide, nitric oxide, nitrogen dioxide and peroxyxynitrite. <i>Functional Plant Biology</i> , 2016, 43, 870. | 2.1 | 43 |
| 30 | Connecting Proline and β -Aminobutyric Acid in Stressed Plants through Non-Enzymatic Reactions. <i>PLoS ONE</i> , 2015, 10, e0115349. | 2.5 | 112 |
| 31 | Molecular Mechanisms for the Reaction Between \cdot OH Radicals and Proline: Insights on the Role as Reactive Oxygen Species Scavenger in Plant Stress. <i>Journal of Physical Chemistry B</i> , 2014, 118, 37-47. | 2.6 | 146 |
| 32 | Antioxidant and photosystem II responses contribute to explain the drought+heat contrasting tolerance of two forage legumes. <i>Plant Physiology and Biochemistry</i> , 2013, 70, 195-203. | 5.8 | 41 |
| 33 | Proline does not quench singlet oxygen: Evidence to reconsider its protective role in plants. <i>Plant Physiology and Biochemistry</i> , 2013, 64, 80-83. | 5.8 | 66 |
| 34 | Water stress induces a differential and spatially distributed nitro-oxidative stress response in roots and leaves of <i>Lotus japonicus</i> . <i>Plant Science</i> , 2013, 201-202, 137-146. | 3.6 | 118 |
| 35 | Nitrogen dioxide solubility and permeation in lipid membranes. <i>Archives of Biochemistry and Biophysics</i> , 2011, 512, 190-196. | 3.0 | 36 |
| 36 | Increasing complexity models for describing the generation of substrate radicals at the active site of ethanolamine ammonia-lyase/B12. <i>Computational and Theoretical Chemistry</i> , 2011, 975, 52-60. | 2.5 | 3 |