Santiago Signorelli

List of Publications by Year in descending order

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1 The bad domancy disconnect: latent bads of grapeoine are domant during summer despite a high metabolic rate. Journal of Experimental Extany, 2022, 73, 2061-2076. 4.8 10 2 Posthanest chicasan application maintains the quality of spinach through suppression of bacterial growth and elicitation. Horticulture Environment and Biotechnology, 2022, 63, 217. 3.0 2 3 Soil Water Containt Directly Affects Bud Buist Rate in Single-Node Cuttings of Perennial Plants. 3.0 2 4 Croop Performance Indexes Applied to Legume Used as Summer Cover Crops under Water Deficit 3.0 3 5 Advernative oxidase (ADX) I a and 1d linit proline-induced oxidative stress and aid salinity recovery in Azelsdopsis. Plant Physiology 115(2): 155. 4.8 26 6 Endogenous cup>26Cc (sup) < Scp) NO (scp) a ccumulation in soyban is associated with initial stomatal exceeds to anter deficit. Physiology 115(2): 25(2):	#	Article	IF	CITATIONS
2Postharvest chitosan application maintains the quality of spinach through suppression of bacterial2.133Solf Water Content Directly Affects Bud Burst Rate in Single-Node Cuttings of Perennial Plants.3.024Crop Performance Indexes Applied to Legume Used as Summer Cover Crops under Water Deficit3.035Alternative oxidese (AOX) 1 and 1 limit proline-induced oxidative stress and aid salinity recovery in4.82.06Endogenous csup 36C-(sup vescp) NO/(sep accumulation in sophean is associated with initial stomatal5.277Interbarrier to radial oxygen loss impedes the apoplastic entry of iron into the roots of 4D Urochloa4.8208Autophagy mutants show delayed chloroplast development during deSectiolation in carbon limiting5.279CABA and Proline Metabolism in Response to Stress. Plant in Challenging Environments, 2021, 291-314.0.43010Strategies to revise agrosystems and breeding to control Fusarium with of banana. Nature Food, 2020,14.03212BiseAminoburytic acid and related anino acids in plant immune responses: Emerging mechanisms of action.5.73213The kole of Nitric Oxide in Nitrogen Fixation by Legumes. Frontiers in Plant Science, 2020, 11, 521.4.22114Drought at the ringgene Procession Plant. Science, 2019, 10, 1190.3.63715Intelsci of Nitric Oxide in Nitrogen Fixation by Legumes. Frontiers in Plant Science, 2020, 11, 521.3.63216The Role of Nitric Oxide in Nitrogen Fixation by Legumes. Frontiers in Plant Science, 2019, 10, 3.6 <td< td=""><td>1</td><td>The bud dormancy disconnect: latent buds of grapevine are dormant during summer despite a high metabolic rate. Journal of Experimental Botany, 2022, 73, 2061-2076.</td><td>4.8</td><td>10</td></td<>	1	The bud dormancy disconnect: latent buds of grapevine are dormant during summer despite a high metabolic rate. Journal of Experimental Botany, 2022, 73, 2061-2076.	4.8	10
3Soil Water Content Directly Affects Bud Burst Rate in Single-Node Cuttings of Perennial Plants.8.024Crop Performance Indexes Applied to Legume Used as Summer Cover Crops under Water Deficit8.086Alternative outdace (ADX) La and Li limit proline-induced oxidative stress and aid salinity recovery in4.8266Endogenous cupy Set (Supy 2022, 183, 15211536.5.477The barrier to radial oxygen loss inpedes the apoplastic entry of iron into the roots of Gib Urochloa4.868Autophagy mutants show delayed chioroplast development during de&Ectolation in carbon limiting5.769CABA and Proline Metabolism in Response to Stress. Plant in Challenging Environments, 2021, 291-314.0.4410The initiation of bud burst in grapevine features dynamic regulation of the apoplastic pore size.4.82011Strategies to revise agrosystems and breeding to control Fusarium wilt of banana. Nature Food, 2020.14.03212Plack-minoburyric acid and related amino acids in plant immune responses: Emerging mechanisms of action.6.7713The Role of Nitric Oxide in Nitrogen Fixation by Legumes. Frontiers in Plant Science, 2020, 11, 521.3.6214Prosyst stress triggers the accumulation of No and SNos in cortical cells of Lotus Japonicus L. Experimental Botany, 2021, 71, 719-728.3.63.615Editorial: Sugars and Autophagy in Plants. Frontiers in Plant Science, 2019, 10, 11521.3.63.616Plack-minoburyric acid and related amino acids in plant immune responses: Emerging mechanisms of act	2	Postharvest chitosan application maintains the quality of spinach through suppression of bacterial growth and elicitation. Horticulture Environment and Biotechnology, 2022, 63, 217.	2.1	3
4Crop Performance Indexes Applied to Legume Used as Summer Cover Crops under Water Deficit3.035Alternative oxidase (AOX) I a and 1 d limit proline-induced oxidative stress and aid salinity recovery in Adaddopsis. Plant Physiology, 2022, 188, 1521-1536.4.8266Endogenous csup 3665.277The barrier to radial oxygen loss impedes the apoplastic entry of fron into the roots of ci / Urochloa4.8168Autophagy mutants show delayed chloroplast development during deäCetiolation in carbon limiting conditions. Plant Journal, 2021, 108, 453-477.5.769CABA and Proline Metabolism in Response to Stress. Plant in Challenging Environments, 2021, 291-314.0.4410The initiation of bud burst in grapevine features dynamic regulation of the apoplastic pore size.4.82011Strategles to revise agrosystems and breeding to control Fusarium wilt of banana. Nature Food, 2020, 1, 599-604.1.4.02212PläéAminobutyric acid and related amino acids in plant immune responses: Emerging mechanisms of action. 5.75.77.313The kole of Nitric Oxide in Nitrogen Fixation by Legumes. Frontiers in Plant Science, 2020, 11, 521.3.62.214Drought stress triggers the accumulation of NOa in cortical cells of Lotus Japonicus L. portient and Environment, 2021, 12, 228-241.3.68.615Editorial: Sugars and Autophagy in Plants. Frontiers in Plant Science, 2019, 10, 1190.8.68.6	3	Soil Water Content Directly Affects Bud Burst Rate in Single-Node Cuttings of Perennial Plants. Agronomy, 2022, 12, 360.	3.0	2
3Atternative oxidase (AOX) Ia and 1d limit proline-induced oxidative stress and aid salinity recovery in Avabidopsis. Plant Physiology, 2022, 188, 1521-1536.4.8266Endogenous (sup) ACC (sup) (scp) NO (scp) accumulation in soybean is associated with initial stomatal response to water deficit. Physiologia Plantarum, 2021, 172, 564-576.5.277The barrier to radial oxygen loss impedes the apoplastic entry of iron into the roots of (AUrochloa)4.8108Autophagy mutants show delayed chloroplast development during deacetiolation in carbon limiting conditions. Plant Journal, 2021, 108, 459-477.6.769CABA and Proline Metabolism in Response to Stress. Plant in Challenging Environments, 2021, 291-314.0.4410The initiation of bud burst in grapevine features dynamic regulation of the apoplastic pore size.4.82011Strategies to revise agrosystems and breeding to control Fusarium wilt of banana. Nature Food, 2020,14.03212PacAminobutyric acid and related amino acids in plant immune responses: Emerging mechanisms of action.5.77313The Role of Nitric Oxide in Nitrogen Fixation by Legumes. Frontiers in Plant Science, 2020, 11, 521.3.62214Drought stress triggers the accumulation of NO and SNOs in cortical cells of Lotus japonicus L. 	4	Crop Performance Indexes Applied to Legume Used as Summer Cover Crops under Water Deficit Conditions. Agronomy, 2022, 12, 443.	3.0	3
6Endogenous (sup) ACC (sup) CS (sup) ACC	5	Alternative oxidase (AOX) 1a and 1d limit proline-induced oxidative stress and aid salinity recovery in Arabidopsis. Plant Physiology, 2022, 188, 1521-1536.	4.8	26
7The barrier to radial oxygen loss impedes the apoplastic entry of iron into the roots of (1) Urochloa4.8108Autophagy mutants show delayed chloroplast development during deâCetiolation in carbon limiting conditions. Plant Journal, 2021, 108, 459-477.6.19GABA and Proline Metabolism in Response to Stress. Plant in Challenging Environments, 2021, 291-314.0.44.110The initiation of bud burst in grapevine features dynamic regulation of the apoplastic pore size. Journal of Experimental Botany, 2020, 71, 719-729.4.82011Strategies to revise agrosystems and breeding to control Fusarium wilt of banana. Nature Food, 2020. 1, 599-604.14.03212PâcAnninobutyric acid and related amino acids in plant immune responses: Emerging mechanisms of action. Plant, Cell and Environment, 2020, 43, 1103-1116.5.77313The Role of Nitric Oxide In Nitrogen Fixation by Legumes. Frontiers in Plant Science, 2020, 11, 521.3.6214Drought stress triggers the accumulation of NO and SNOs in cortical cells of Lotus japonicus L Experimental Botany, 2019, 161, 228-241.14.22115Editorial: Sugars and Autophagy in Plants. Frontiers in Plant Science, 2019, 10, 1190.3.6816Autophagy in Plants: Both a Puppet and a Puppet Master of Sugars. Frontiers in Plant Science, 2019, 10,3.667	6	Endogenous [•] <scp>NO</scp> accumulation in soybean is associated with initial stomatal response to water deficit. Physiologia Plantarum, 2021, 172, 564-576.	5.2	7
8Autophagy mutants show delayed chloroplast development during deâcetiolation in carbon limiting5.769CABA and Proline Metabolism in Response to Stress. Plant in Challenging Environments, 2021,, 291-314.0.4410The initiation of bud burst in grapevine features dynamic regulation of the apoplastic pore size.4.82011Strategies to revise agrosystems and breeding to control Fusarium wilt of banana. Nature Food, 2020,14.03212Jää6Aminobutyric acid and related amino acids in plant immune responses: Emerging mechanisms of action. Plant, Cell and Environment, 2020, 43, 1103-1116.5.77313The Role of Nitric Oxide in Nitrogen Fixation by Legumes. Frontiers in Plant Science, 2020, 11, 521.3.62214Drought stress triggers the accumulation of NO and SNOs in cortical cells of Lotus japonicus L. roots and the nitration of proteins with relevant metabolic function. Environmental and Experimental Botany, 2019, 161, 228-241.3.6816Autophagy in Plants: Both a Puppet and a Puppet Master of Sugars. Frontiers in Plant Science, 2019, 10, 14.3.667	7	The barrier to radial oxygen loss impedes the apoplastic entry of iron into the roots of <i>Urochloa humidicola</i> . Journal of Experimental Botany, 2021, 72, 3279-3293.	4.8	16
9CABA and Proline Metabolism in Response to Stress. Plant in Challenging Environments, 2021, , 291-314.0.4410The initiation of bud burst in grapevine features dynamic regulation of the apoplastic pore size. Journal of Experimental Botany, 2020, 71, 719-729.4.82011Strategies to revise agrosystems and breeding to control Fusarium wilt of banana. Nature Food, 2020, 1, 599-604.14.03212JBa6Aminobutyric acid and related amino acids in plant immune responses: Emerging mechanisms of action. Plant, Cell and Environment, 2020, 43, 1103-1116.5.77313The Role of Nitric Oxide in Nitrogen Fixation by Legumes. Frontiers in Plant Science, 2020, 11, 521.3.62214Drought stress triggers the accumulation of NO and SNOs in cortical cells of Lotus japonicus L. roots and the nitration of proteins with relevant metabolic function. Environmental and Experimental Botany, 2019, 161, 228-241.3.6816Autophagy in Plants: Both a Puppet and a Puppet Master of Sugars. Frontiers in Plant Science, 2019, 10, 14.3.667	8	Autophagy mutants show delayed chloroplast development during deâ€etiolation in carbon limiting conditions. Plant Journal, 2021, 108, 459-477.	5.7	6
10The initiation of bud burst in grapevine features dynamic regulation of the apoplastic pore size.4.82011Strategies to revise agrosystems and breeding to control Fusarium wilt of banana. Nature Food, 2020,14.03212PaeAminobutyric acid and related amino acids in plant immune responses: Emerging mechanisms of action.5.77313The Role of Nitric Oxide in Nitrogen Fixation by Legumes. Frontiers in Plant Science, 2020, 11, 521.3.62214Drought stress triggers the accumulation of NO and SNOs in cortical cells of Lotus japonicus L. roots and the nitration of proteins with relevant metabolic function. Environmental and Experimental Botany, 2019, 161, 228-241.3.6816Autophagy in Plants: Both a Puppet and a Puppet Master of Sugars. Frontiers in Plant Science, 2019, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	9	GABA and Proline Metabolism in Response to Stress. Plant in Challenging Environments, 2021, , 291-314.	0.4	4
11Strategies to revise agrosystems and breeding to control Fusarium wilt of banana. Nature Food, 2020, 1, 599-604.14.03212 ³ a6Aminobutyric acid and related amino acids in plant immune responses: Emerging mechanisms of action. Plant, Cell and Environment, 2020, 43, 1103-1116.5.77313The Role of Nitric Oxide in Nitrogen Fixation by Legumes. Frontiers in Plant Science, 2020, 11, 521.3.62214Drought stress triggers the accumulation of NO and SNOs in cortical cells of Lotus japonicus L. roots and the nitration of proteins with relevant metabolic function. Environmental and Experimental Botany, 2019, 161, 228-241.3.6815Editorial: Sugars and Autophagy in Plants. Frontiers in Plant Science, 2019, 10, 1190.3.667	10	The initiation of bud burst in grapevine features dynamic regulation of the apoplastic pore size. Journal of Experimental Botany, 2020, 71, 719-729.	4.8	20
12γă€Aminobutyric acid and related amino acids in plant immune responses: Emerging mechanisms of action.5.77313The Role of Nitric Oxide in Nitrogen Fixation by Legumes. Frontiers in Plant Science, 2020, 11, 521.3.62214Drought stress triggers the accumulation of NO and SNOs in cortical cells of Lotus japonicus L. roots and the nitration of proteins with relevant metabolic function. Environmental and Experimental Botany, 2019, 161, 228-241.4.22115Editorial: Sugars and Autophagy in Plants. Frontiers in Plant Science, 2019, 10, 1190.3.6816Autophagy in Plants: Both a Puppet and a Puppet Master of Sugars. Frontiers in Plant Science, 2019, 10, 14.3.667	11	Strategies to revise agrosystems and breeding to control Fusarium wilt of banana. Nature Food, 2020, 1, 599-604.	14.0	32
13The Role of Nitric Oxide in Nitrogen Fixation by Legumes. Frontiers in Plant Science, 2020, 11, 521.3.62214Drought stress triggers the accumulation of NO and SNOs in cortical cells of Lotus japonicus L. roots and the nitration of proteins with relevant metabolic function. Environmental and Experimental Botany, 2019, 161, 228-241.4.22115Editorial: Sugars and Autophagy in Plants. Frontiers in Plant Science, 2019, 10, 1190.3.6816Autophagy in Plants: Both a Puppet and a Puppet Master of Sugars. Frontiers in Plant Science, 2019, 10,3.667	12	γâ€Aminobutyric acid and related amino acids in plant immune responses: Emerging mechanisms of action. Plant, Cell and Environment, 2020, 43, 1103-1116.	5.7	73
14Drought stress triggers the accumulation of NO and SNOs in cortical cells of Lotus japonicus L. Experimental Botany, 2019, 161, 228-241.4.22115Editorial: Sugars and Autophagy in Plants. Frontiers in Plant Science, 2019, 10, 1190.3.6816Autophagy in Plants: Both a Puppet and a Puppet Master of Sugars. Frontiers in Plant Science, 2019, 10,3.667	13	The Role of Nitric Oxide in Nitrogen Fixation by Legumes. Frontiers in Plant Science, 2020, 11, 521.	3.6	22
15Editorial: Sugars and Autophagy in Plants. Frontiers in Plant Science, 2019, 10, 1190.3.6816Autophagy in Plants: Both a Puppet and a Puppet Master of Sugars. Frontiers in Plant Science, 2019, 10, 14.3.667	14	Drought stress triggers the accumulation of NO and SNOs in cortical cells of Lotus japonicus L. roots and the nitration of proteins with relevant metabolic function. Environmental and Experimental Botany, 2019, 161, 228-241.	4.2	21
Autophagy in Plants: Both a Puppet and a Puppet Master of Sugars. Frontiers in Plant Science, 2019, 10, 14. 3.6 67	15	Editorial: Sugars and Autophagy in Plants. Frontiers in Plant Science, 2019, 10, 1190.	3.6	8
	16	Autophagy in Plants: Both a Puppet and a Puppet Master of Sugars. Frontiers in Plant Science, 2019, 10, 14.	3.6	67
17 Linking Autophagy to Abiotic and Biotic Stress Responses. Trends in Plant Science, 2019, 24, 413-430. 8.8 203	17	Linking Autophagy to Abiotic and Biotic Stress Responses. Trends in Plant Science, 2019, 24, 413-430.	8.8	203

18 Proline Metabolism and Its Functions in Development and Stress Tolerance. , 2019, , 41-72.

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#	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. Agrociencia, 2019, 23, .	0.1	4
21	Developmental control of hypoxia during bud burst in grapevine. Plant, Cell and Environment, 2018, 41, 1154-1170.	5.7	43
22	Roles for Light, Energy, and Oxygen in the Fate of Quiescent Axillary Buds. Plant Physiology, 2018, 176, 1171-1181.	4.8	35
23	Nitric Oxide Enables Germination by a Four-Pronged Attack on ABA-Induced Seed Dormancy. Frontiers in Plant Science, 2018, 9, 296.	3.6	53
24	Learning To Breathe: Developmental Phase Transitions in Oxygen Status. Trends in Plant Science, 2017, 22, 140-153.	8.8	54
25	Cell cycle arrest in plants: what distinguishes quiescence, dormancy and differentiated G1?. Annals of Botany, 2017, 120, 495-509.	2.9	60
26	Identification of Δ ¹ -pyrroline 5-carboxylate synthase (<i>P5CS</i>) genes involved in the synthesis of proline in <i>Lotus japonicus</i> . Plant Signaling and Behavior, 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. Frontiers in Plant Science, 2016, 7, 1339.	3.6	64
28	Photosynthetic responses mediate the adaptation of two Lotus japonicus ecotypes to low temperature. Plant Science, 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 peroxynitrite. Functional Plant Biology, 2016, 43, 870.	2.1	43
30	Connecting Proline and γ-Aminobutyric Acid in Stressed Plants through Non-Enzymatic Reactions. PLoS ONE, 2015, 10, e0115349.	2.5	112
31	Molecular Mechanisms for the Reaction Between ^{•} OH Radicals and Proline: Insights on the Role as Reactive Oxygen Species Scavenger in Plant Stress. Journal of Physical Chemistry B, 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. Plant Physiology and Biochemistry, 2013, 70, 195-203.	5.8	41
33	Proline does not quench singlet oxygen: Evidence to reconsider its protective role in plants. Plant Physiology and Biochemistry, 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 Lotus japonicus. Plant Science, 2013, 201-202, 137-146.	3.6	118
35	Nitrogen dioxide solubility and permeation in lipid membranes. Archives of Biochemistry and Biophysics, 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. Computational and Theoretical Chemistry, 2011, 975, 52-60.	2.5	3