Miguel A Rosales

List of Publications by Year
in descending order

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35 papers	2,155 citations	257101 24 h-index	360668 35 g-index
35 all docs	35 docs citations	35 times ranked	2640 citing authors

#	Article	IF	Citations
1	Genotypic differences in some physiological parameters symptomatic for oxidative stress under moderate drought in tomato plants. Plant Science, 2010, 178, 30-40.	1.7	318
2	Physiological analysis of common bean (Phaseolus vulgaris L.) cultivars uncovers characteristics related to terminal drought resistance. Plant Physiology and Biochemistry, 2012, 56, 24-34.	2.8	143
3	Chloride regulates leaf cell size and water relations in tobacco plants. Journal of Experimental Botany, 2016, 67, 873-891.	2.4	125
4	Antioxidant content and ascorbate metabolism in cherry tomato exocarp in relation to temperature and solar radiation. Journal of the Science of Food and Agriculture, 2006, 86, 1545-1551.	1.7	113
5	Biofortification of Se and induction of the antioxidant capacity in lettuce plants. Scientia Horticulturae, 2008, 116, 248-255.	1.7	111
6	Role of nitric oxide under saline stress: implications on proline metabolism. Biologia Plantarum, 2008, 52, 587-591.	1.9	110
7	Silent S-Type Anion Channel Subunit SLAH1 Gates SLAH3 Open for Chloride Root-to-Shoot Translocation. Current Biology, 2016, 26, 2213-2220.	1.8	104
8	The effect of environmental conditions on nutritional quality of cherry tomato fruits: evaluation of two experimental Mediterranean greenhouses. Journal of the Science of Food and Agriculture, 2011, 91, 152-162.	1.7	93
9	Production and detoxification of H₂O₂ in lettuce plants exposed to selenium. Annals of Applied Biology, 2009, 154, 107-116.	1.3	91
10	Chloride as a Beneficial Macronutrient in Higher Plants: New Roles and Regulation. International Journal of Molecular Sciences, 2019, 20, 4686.	1.8	84
11	Response of nitrogen metabolism to boron toxicity in tomato plants. Plant Biology, 2009, 11, 671-677.	1.8	61
12	Ammonia production and assimilation: Its importance as a tolerance mechanism during moderate water deficit in tomato plants. Journal of Plant Physiology, 2011, 168, 816-823.	1.6	60
13	Effect of cytokinins on oxidative stress in tobacco plants under nitrogen deficiency. Environmental and Experimental Botany, 2011, 72, 167-173.	2.0	58
14	Response of nitrogen metabolism in lettuce plants subjected to different doses and forms of selenium. Journal of the Science of Food and Agriculture, 2010, 90, 1914-1919.	1.7	57
15	Involvement of lignification and membrane permeability in the tomato root response to boron toxicity. Plant Science, 2009, 176, 545-552.	1.7	55
16	Abscisic Acid Coordinates Dose-Dependent Developmental and Hydraulic Responses of Roots to Water Deficit. Plant Physiology, 2019, 180, 2198-2211.	2.3	54
17	Chloride as macronutrient increases water use efficiency by anatomicallyâ€driven reduced stomatal conductance and increased mesophyll diffusion to CO 2. Plant Journal, 2019, 99, 815-831.	2.8	53
18	Parameters Symptomatic for Boron Toxicity in Leaves of Tomato Plants. Journal of Botany, 2012, 2012, 1-17.	1.2	52

#	Article	IF	Citations
19	Does Iodine Biofortification Affect Oxidative Metabolism in Lettuce Plants?. Biological Trace Element Research, 2011, 142, 831-842.	1.9	51
20	Sucrolytic activities in cherry tomato fruits in relation to temperature and solar radiation. Scientia Horticulturae, 2007, 113, 244-249.	1.7	45
21	Photorespiration Process and Nitrogen Metabolism in Lettuce Plants (Lactuca sativa L.): Induced Changes in Response to Iodine Biofortification. Journal of Plant Growth Regulation, 2010, 29, 477-486.	2.8	44
22	Nitrogen-Use Efficiency in Relation to Different Forms and Application Rates of Se in Lettuce Plants. Journal of Plant Growth Regulation, 2010, 29, 164-170.	2.8	34
23	Coping With Water Shortage: An Update on the Role of K+, Cl-, and Water Membrane Transport Mechanisms on Drought Resistance. Frontiers in Plant Science, 2019, 10, 1619.	1.7	31
24	Chloride Improves Nitrate Utilization and NUE in Plants. Frontiers in Plant Science, 2020, 11, 442.	1.7	31
25	Cytokinin-Dependent Improvement in Transgenic P_{SARK}::IPT Tobacco under Nitrogen Deficiency. Journal of Agricultural and Food Chemistry, 2011, 59, 10491-10495.	2.4	24
26	Grafting between tobacco plants to enhance salinity tolerance. Journal of Plant Physiology, 2006, 163, 1229-1237.	1.6	21
27	Environmental conditions in relation to stress in cherry tomato fruits in two experimental Mediterranean greenhouses. Journal of the Science of Food and Agriculture, 2009, 89, 735-742.	1.7	21
28	Ammonium formation and assimilation in PSARKâˆ·IPT tobacco transgenic plants under low N. Journal of Plant Physiology, 2012, 169, 157-162.	1.6	21
29	Physiological traits related to terminal drought resistance in common bean (<i>Phaseolus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.7	21
30	Interaction between salt and heat stress: when two wrongs make a right. Plant, Cell and Environment, 2014, 37, 1042-1045.	2.8	16
31	Proline metabolism in cherry tomato exocarp in relation to temperature and solar radiation. Journal of Horticultural Science and Biotechnology, 2007, 82, 739-744.	0.9	14
32	Environmental conditions affect pectin solubilization in cherry tomato fruits grown in two experimental Mediterranean greenhouses. Environmental and Experimental Botany, 2009, 67, 320-327.	2.0	13
33	Chloride nutrition improves drought resistance by enhancing water deficit avoidance and tolerance mechanisms. Journal of Experimental Botany, 2021, 72, 5246-5261.	2.4	12
34	Iodine application affects nitrogen-use efficiency of lettuce plants (Lactuca sativaL.). Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2011, 61, 378-383.	0.3	7
35	Group 6 Late Embryogenesis Abundant (LEA) Proteins in Monocotyledonous Plants: Genomic Organization and Transcript Accumulation Patterns in Response to Stress in Oryza sativa. Plant Molecular Biology Reporter, 2014, 32, 198-208.	1.0	7