

Juan J Rios

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

1,835
citations

24
h-index

42
g-index

52
ext. papers

2,120
ext. citations

4.4
avg, IF

4.46
L-index

#	Paper	IF	Citations
49	Genotypic differences in some physiological parameters symptomatic for oxidative stress under moderate drought in tomato plants. <i>Plant Science</i> , 2010 , 178, 30-40	5.3	246
48	Oxidative stress and antioxidants in tomato (<i>Solanum lycopersicum</i>) plants subjected to boron toxicity. <i>Annals of Botany</i> , 2007 , 100, 747-56	4.1	185
47	Iodine biofortification and antioxidant capacity of lettuce: potential benefits for cultivation and human health. <i>Annals of Applied Biology</i> , 2008 , 152, 289-299	2.6	102
46	Silicon-mediated Improvement in Plant Salinity Tolerance: The Role of Aquaporins. <i>Frontiers in Plant Science</i> , 2017 , 8, 948	6.2	93
45	Biofortification of Se and induction of the antioxidant capacity in lettuce plants. <i>Scientia Horticulturae</i> , 2008 , 116, 248-255	4.1	87
44	Production and detoxification of H ₂ O ₂ in lettuce plants exposed to selenium. <i>Annals of Applied Biology</i> , 2009 , 154, 107-116	2.6	75
43	The effect of environmental conditions on nutritional quality of cherry tomato fruits: evaluation of two experimental Mediterranean greenhouses. <i>Journal of the Science of Food and Agriculture</i> , 2011 , 91, 152-62	4.3	67
42	High Resolution Melt (HRM) analysis is an efficient tool to genotype EMS mutants in complex crop genomes. <i>Plant Methods</i> , 2011 , 7, 43	5.8	65
41	Effect of cytokinins on oxidative stress in tobacco plants under nitrogen deficiency. <i>Environmental and Experimental Botany</i> , 2011 , 72, 167-173	5.9	48
40	Beneficial effects of exogenous iodine in lettuce plants subjected to salinity stress. <i>Plant Science</i> , 2011 , 181, 195-202	5.3	47
39	Response of nitrogen metabolism to boron toxicity in tomato plants. <i>Plant Biology</i> , 2009 , 11, 671-7	3.7	47
38	Involvement of lignification and membrane permeability in the tomato root response to boron toxicity. <i>Plant Science</i> , 2009 , 176, 545-52	5.3	47
37	Study of the ionome and uptake fluxes in cherry tomato plants under moderate water stress conditions. <i>Plant and Soil</i> , 2010 , 335, 339-347	4.2	47
36	Flavins secreted by roots of iron-deficient <i>Beta vulgaris</i> enable mining of ferric oxide via reductive mechanisms. <i>New Phytologist</i> , 2016 , 209, 733-45	9.8	46
35	Ammonia production and assimilation: its importance as a tolerance mechanism during moderate water deficit in tomato plants. <i>Journal of Plant Physiology</i> , 2011 , 168, 816-23	3.6	45
34	Response of nitrogen metabolism in lettuce plants subjected to different doses and forms of selenium. <i>Journal of the Science of Food and Agriculture</i> , 2010 , 90, 1914-9	4.3	42
33	Does iodine biofortification affect oxidative metabolism in lettuce plants?. <i>Biological Trace Element Research</i> , 2011 , 142, 831-42	4.5	39

32	Distribution of calcium (Ca) and magnesium (Mg) in the leaves of Brassica rapa under varying exogenous Ca and Mg supply. <i>Annals of Botany</i> , 2012 , 109, 1081-9	4.1	37
31	Photorespiration Process and Nitrogen Metabolism in Lettuce Plants (<i>Lactuca sativa</i> L.): Induced Changes in Response to Iodine Biofortification. <i>Journal of Plant Growth Regulation</i> , 2010 , 29, 477-486	4.7	32
30	Parameters Symptomatic for Boron Toxicity in Leaves of Tomato Plants. <i>Journal of Botany</i> , 2012 , 2012, 1-17	0	31
29	Effects of individual and combined metal foliar fertilisers on iron- and manganese-deficient <i>Solanum lycopersicum</i> plants. <i>Plant and Soil</i> , 2016 , 402, 27-45	4.2	30
28	Genetical and comparative genomics of Brassica under altered Ca supply identifies Arabidopsis Ca-transporter orthologs. <i>Plant Cell</i> , 2014 , 26, 2818-30	11.6	27
27	Regulation of sulphur assimilation in lettuce plants in the presence of selenium. <i>Plant Growth Regulation</i> , 2008 , 56, 43-51	3.2	26
26	Nitrogen-Use Efficiency in Relation to Different Forms and Application Rates of Se in Lettuce Plants. <i>Journal of Plant Growth Regulation</i> , 2010 , 29, 164-170	4.7	24
25	STUDY OF THE INTERACTIONS BETWEEN IODINE AND MINERAL NUTRIENTS IN LETTUCE PLANTS. <i>Journal of Plant Nutrition</i> , 2012 , 35, 1958-1969	2.3	23
24	Comparative effect of elicitors on the physiology and secondary metabolites in broccoli plants. <i>Journal of Plant Physiology</i> , 2019 , 239, 1-9	3.6	22
23	Using Perls Staining to Trace the Iron Uptake Pathway in Leaves of a Prunus Rootstock Treated with Iron Foliar Fertilizers. <i>Frontiers in Plant Science</i> , 2016 , 7, 893	6.2	22
22	Changes induced by zinc toxicity in the 2-DE protein profile of sugar beet roots. <i>Journal of Proteomics</i> , 2013 , 94, 149-61	3.9	21
21	Cytokinin-dependent improvement in transgenic P(SARK)::IPT tobacco under nitrogen deficiency. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 10491-5	5.7	19
20	Photosynthesis and metabolism of sugars from lettuce plants (<i>Lactuca sativa</i> L. var. longifolia) subjected to biofortification with iodine. <i>Plant Growth Regulation</i> , 2011 , 65, 137-143	3.2	18
19	Environmental conditions in relation to stress in cherry tomato fruits in two experimental Mediterranean greenhouses. <i>Journal of the Science of Food and Agriculture</i> , 2009 , 89, 735-742	4.3	18
18	Grafting between tobacco plants to enhance salinity tolerance. <i>Journal of Plant Physiology</i> , 2006 , 163, 1229-37	3.6	18
17	Ammonium formation and assimilation in P(SARK)::IPT tobacco transgenic plants under low N. <i>Journal of Plant Physiology</i> , 2012 , 169, 157-62	3.6	17
16	NUTRITIONAL BALANCE CHANGES IN LETTUCE PLANT GROWN UNDER DIFFERENT DOSES AND FORMS OF SELENIUM. <i>Journal of Plant Nutrition</i> , 2013 , 36, 1344-1354	2.3	17
15	Effects of Fe deficiency on the protein profile of Brassica napus phloem sap. <i>Proteomics</i> , 2015 , 15, 3835-43	4.3	13

14	The use of biovesicles to improve the efficiency of Zn foliar fertilization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 173, 899-905	6	13
13	Environmental conditions affect pectin solubilization in cherry tomato fruits grown in two experimental Mediterranean greenhouses. <i>Environmental and Experimental Botany</i> , 2009 , 67, 320-327	5.9	11
12	Proline metabolism in cherry tomato exocarp in relation to temperature and solar radiation. <i>Journal of Horticultural Science and Biotechnology</i> , 2007 , 82, 739-744	1.9	11
11	Growing broccoli under salinity: the influence of cultivar and season on glucosinolates content. <i>Scientia Agricola</i> , 2020 , 77,	2.5	10
10	Interrelations of nutrient and water transporters in plants under abiotic stress. <i>Physiologia Plantarum</i> , 2021 , 171, 595-619	4.6	10
9	Nanobiofertilization as a novel technology for highly efficient foliar application of Fe and B in almond trees. <i>Royal Society Open Science</i> , 2020 , 7, 200905	3.3	9
8	The Expanding Role of Vesicles Containing Aquaporins. <i>Cells</i> , 2018 , 7,	7.9	7
7	Iodine application affects nitrogen-use efficiency of lettuce plants (<i>Lactuca sativa</i> L.). <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2011 , 61, 378-383	1.1	6
6	Foliar Application of Zn Alleviates Salt Stress Symptoms of Pak Choi Plants by Activating Water Relations and Glucosinolate Synthesis. <i>Agronomy</i> , 2020 , 10, 1528	3.6	4
5	Influence of foliar Methyl-jasmonate biostimulation on exudation of glucosinolates and their effect on root pathogens of broccoli plants under salinity condition. <i>Scientia Horticulturae</i> , 2021 , 282, 110027	4.1	3
4	Effect of CAX1a TILLING mutations on photosynthesis performance in salt-stressed <i>Brassica rapa</i> plants. <i>Plant Science</i> , 2021 , 311, 111013	5.3	3
3	Assaying the use of sodium thiosulphate as a biostimulant and its effect on cadmium accumulation and tolerance in <i>Brassica oleracea</i> plants. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 200, 110760	7	2
2	Nanoencapsulated Boron Foliar Supply Increased Expression of NIPs Aquaporins and BOR Transporters of In Vitro <i>Ipomoea batatas</i> Plants. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1788	2.6	1
1	Foliar Application of Boron Nanoencapsulated in Almond Trees Allows B Movement Within Tree and Implements Water Uptake and Transport Involving Aquaporins. <i>Frontiers in Plant Science</i> , 2021 , 12, 752648	6.2	1