

Juan Manuel Ruiz Sez

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144
papers

5,235
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39
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145
ext. papers

5,893
ext. citations

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avg, IF

5.36
L-index

#	Paper	IF	Citations
144	Boron in Plant Biology. <i>Plant Biology</i> , 2002 , 4, 205-223	3.7	504
143	Resistance to cold and heat stress: accumulation of phenolic compounds in tomato and watermelon plants. <i>Plant Science</i> , 2001 , 160, 315-321	5.3	451
142	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
141	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
140	Salinity-induced glutathione synthesis in <i>Brassica napus</i> . <i>Planta</i> , 2002 , 214, 965-9	4.7	157
139	Evaluation of some nutritional and biochemical indicators in selecting salt-resistant tomato cultivars. <i>Environmental and Experimental Botany</i> , 2005 , 54, 193-201	5.9	128
138	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
137	Role of nitric oxide under saline stress: implications on proline metabolism. <i>Biologia Plantarum</i> , 2008 , 52, 587-591	2.1	97
136	Antioxidant content and ascorbate metabolism in cherry tomato exocarp in relation to temperature and solar radiation. <i>Journal of the Science of Food and Agriculture</i> , 2006 , 86, 1545-1551	4.3	94
135	Silicon-mediated Improvement in Plant Salinity Tolerance: The Role of Aquaporins. <i>Frontiers in Plant Science</i> , 2017 , 8, 948	6.2	93
134	Leaf-macronutrient content and yield in grafted melon plants. A model to evaluate the influence of rootstock genotype. <i>Scientia Horticulturae</i> , 1997 , 71, 227-234	4.1	88
133	Biofortification of Se and induction of the antioxidant capacity in lettuce plants. <i>Scientia Horticulturae</i> , 2008 , 116, 248-255	4.1	87
132	Relationship between boron and phenolic metabolism in tobacco leaves. <i>Phytochemistry</i> , 1998 , 48, 269-272		85
131	Response of plant yield and leaf pigments to saline conditions: Effectiveness of different rootstocks in melon plants (<i>Cucumis melo</i> L.). <i>Soil Science and Plant Nutrition</i> , 1997 , 43, 855-862	1.6	80
130	Proline metabolism and NAD kinase activity in greenbean plants subjected to cold-shock. <i>Phytochemistry</i> , 2002 , 59, 473-8	4	77
129	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
128	Antioxidant response resides in the shoot in reciprocal grafts of drought-tolerant and drought-sensitive cultivars in tomato under water stress. <i>Plant Science</i> , 2012 , 188-189, 89-96	5.3	70

127	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
126	Phenolic profiles of cherry tomatoes as influenced by hydric stress and rootstock technique. <i>Food Chemistry</i> , 2012 , 134, 775-82	8.5	64
125	Proline metabolism in response to highest nitrogen dosages in green bean plants (<i>Phaseolus vulgaris</i> L. cv. Strike). <i>Journal of Plant Physiology</i> , 2001 , 158, 593-598	3.6	63
124	Accumulation of free polyamines enhances the antioxidant response in fruits of grafted tomato plants under water stress. <i>Journal of Plant Physiology</i> , 2016 , 190, 72-8	3.6	62
123	Does grafting provide tomato plants an advantage against H ₂ O ₂ production under conditions of thermal shock?. <i>Physiologia Plantarum</i> , 2003 , 117, 44-50	4.6	61
122	Role of GSH homeostasis under Zn toxicity in plants with different Zn tolerance. <i>Plant Science</i> , 2014 , 227, 110-21	5.3	57
121	Response of phenolic metabolism to the application of carbendazim plus boron in tobacco. <i>Physiologia Plantarum</i> , 1999 , 106, 151-157	4.6	55
120	Changes in biomass, enzymatic activity and protein concentration in roots and leaves of green bean plants (<i>Phaseolus vulgaris</i> L. cv. Strike) under high NH ₄ NO ₃ application rates. <i>Scientia Horticulturae</i> , 2004 , 99, 237-248	4.1	51
119	Can grafting in tomato plants strengthen resistance to thermal stress?. <i>Journal of the Science of Food and Agriculture</i> , 2003 , 83, 1315-1319	4.3	50
118	The Role of Fungicides in the Physiology of Higher Plants: Implications for Defense Responses. <i>Botanical Review</i> , 2003 , 69, 162-172	3.8	49
117	Oxidative metabolism in tomato plants subjected to heat stress. <i>Journal of Horticultural Science and Biotechnology</i> , 2004 , 79, 560-564	1.9	49
116	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
115	Beneficial effects of exogenous iodine in lettuce plants subjected to salinity stress. <i>Plant Science</i> , 2011 , 181, 195-202	5.3	47
114	Response of nitrogen metabolism to boron toxicity in tomato plants. <i>Plant Biology</i> , 2009 , 11, 671-7	3.7	47
113	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
112	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
111	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
110	Nitrogen Metabolism in Tobacco Plants (<i>Nicotiana tabacum</i> L.): Role of Boron as a Possible Regulatory Factor. <i>International Journal of Plant Sciences</i> , 1998 , 159, 121-126	2.6	45

109	Nicotine-free and salt-tolerant tobacco plants obtained by grafting to salinity-resistant rootstocks of tomato. <i>Physiologia Plantarum</i> , 2005 , 124, 465-475	4.6	44
108	Role of Ca ²⁺ in the metabolism of phenolic compounds in tobacco leaves (<i>Nicotiana tabacum</i> L.). <i>Plant Growth Regulation</i> , 2003 , 41, 173-177	3.2	43
107	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
106	Preliminary studies on the involvement of biosynthesis of cysteine and glutathione concentration in the resistance to B toxicity in sunflower plants. <i>Plant Science</i> , 2003 , 165, 811-817	5.3	40
105	Does iodine biofortification affect oxidative metabolism in lettuce plants?. <i>Biological Trace Element Research</i> , 2011 , 142, 831-42	4.5	39
104	Boron Increases Synthesis of Glutathione in Sunflower Plants Subjected to Aluminum Stress. <i>Plant and Soil</i> , 2006 , 279, 25-30	4.2	39
103	Sucrolytic activities in cherry tomato fruits in relation to temperature and solar radiation. <i>Scientia Horticulturae</i> , 2007 , 113, 244-249	4.1	35
102	Grafting under water stress in tomato cherry: improving the fruit yield and quality. <i>Annals of Applied Biology</i> , 2012 , 161, 302-312	2.6	34
101	Role of CaCl ₂ in nitrate assimilation in leaves and roots of tobacco plants (<i>Nicotiana tabacum</i> L.). <i>Plant Science</i> , 1999 , 141, 107-115	5.3	34
100	Relationship between potassium fertilisation and nitrate assimilation in leaves and fruits of cucumber (<i>Cucumis sativus</i>) plants. <i>Annals of Applied Biology</i> , 2002 , 140, 241-245	2.6	33
99	Iodine effects on phenolic metabolism in lettuce plants under salt stress. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 2591-6	5.7	32
98	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
97	Sulphur phytoaccumulation in plant species characteristic of Gypsiferous soils. <i>International Journal of Phytoremediation</i> , 2003 , 5, 203-10	3.9	32
96	Parameters Symptomatic for Boron Toxicity in Leaves of Tomato Plants. <i>Journal of Botany</i> , 2012 , 2012, 1-17	0	31
95	BORON EFFECT ON MINERAL NUTRIENTS OF TOBACCO. <i>Journal of Plant Nutrition</i> , 2002 , 25, 509-522	2.3	30
94	Nitrogen metabolism in pepper plants applied with different bioregulators. <i>Journal of Agricultural and Food Chemistry</i> , 2000 , 48, 2925-9	5.7	30
93	Influence of the proline metabolism and glycine betaine on tolerance to salt stress in tomato (<i>Solanum lycopersicum</i> L.) commercial genotypes. <i>Journal of Plant Physiology</i> , 2018 , 231, 329-336	3.6	30
92	Comparative effect of Al, Se, and Mo toxicity on NO ₃ (-) assimilation in sunflower (<i>Helianthus annuus</i> L.) plants. <i>Journal of Environmental Management</i> , 2007 , 83, 207-12	7.9	29

91	Effect of calcium on mineral nutrient uptake and growth of tobacco. <i>Journal of the Science of Food and Agriculture</i> , 2001 , 81, 1334-1338	4.3	28
90	Foliar level of phosphorus and its bioindicators in Cucumis melo grafted plants. A possible effect of rootstocks. <i>Journal of Plant Physiology</i> , 1996 , 149, 400-404	3.6	28
89	Is phenol oxidation responsible for the short-term effects of boron deficiency on plasma-membrane permeability and function in squash roots?. <i>Plant Physiology and Biochemistry</i> , 2002 , 40, 853-858	5.4	27
88	Proline metabolism in response to nitrogen toxicity in fruit of French Bean plants (<i>Phaseolus vulgaris</i> L. cv Strike). <i>Scientia Horticulturae</i> , 2002 , 93, 225-233	4.1	27
87	Nitrogen Metabolism and Yield Response to Increases in Nitrogen Phosphorus Fertilization: Improvement in Greenhouse Cultivation of Eggplant (<i>Solanum melongena</i> Cv. Bonica). <i>Journal of Agricultural and Food Chemistry</i> , 1997 , 45, 4227-4231	5.7	26
86	Regulation of sulphur assimilation in lettuce plants in the presence of selenium. <i>Plant Growth Regulation</i> , 2008 , 56, 43-51	3.2	26
85	Zinc biofortification improves phytochemicals and amino-acidic profile in Brassica oleracea cv. Bronco. <i>Plant Science</i> , 2017 , 258, 45-51	5.3	25
84	Importance of N source on heat stress tolerance due to the accumulation of proline and quaternary ammonium compounds in tomato plants. <i>Plant Biology</i> , 2004 , 6, 702-7	3.7	25
83	Response of oxidative metabolism in watermelon plants subjected to cold stress. <i>Functional Plant Biology</i> , 2002 , 29, 643-648	2.7	25
82	Comparative study of the toxic effect of Zn in <i>Lactuca sativa</i> and Brassica oleracea plants: I. Growth, distribution, and accumulation of Zn, and metabolism of carboxylates. <i>Environmental and Experimental Botany</i> , 2014 , 107, 98-104	5.9	24
81	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
80	Direct action of the biocide carbendazim on phenolic metabolism in tobacco plants. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 131-7	5.7	24
79	Role of Grafting in Resistance to Water Stress in Tomato Plants: Ammonia Production and Assimilation. <i>Journal of Plant Growth Regulation</i> , 2013 , 32, 831-842	4.7	23
78	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
77	Study of phytohormone profile and oxidative metabolism as key process to identification of salinity response in tomato commercial genotypes. <i>Journal of Plant Physiology</i> , 2017 , 216, 164-173	3.6	22
76	Response of carbon and nitrogen-rich metabolites to nitrogen deficiency in PSARK::IPT tobacco plants. <i>Plant Physiology and Biochemistry</i> , 2012 , 57, 231-7	5.4	22
75	Grafting to improve nitrogen-use efficiency traits in tobacco plants. <i>Journal of the Science of Food and Agriculture</i> , 2006 , 86, 1014-1021	4.3	22
74	Phytohormone profile in <i>Lactuca sativa</i> and Brassica oleracea plants grown under Zn deficiency. <i>Phytochemistry</i> , 2016 , 130, 85-9	4	21

73	Genotype differences in the metabolism of proline and polyamines under moderate drought in tomato plants. <i>Plant Biology</i> , 2014 , 16, 1050-7	3.7	21
72	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
71	Proline metabolism in response to nitrogen deficiency in French Bean plants (<i>Phaseolus vulgaris</i> L. cv Strike). <i>Plant Growth Regulation</i> , 2002 , 36, 261-265	3.2	19
70	Growth conditions, elemental accumulation and induced physiological changes in Chinese cabbage. <i>Chemosphere</i> , 2003 , 52, 1031-40	8.4	19
69	Is the application of carbendazim harmful to healthy plants? Evidence of weak phytotoxicity in tobacco. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 279-83	5.7	19
68	How does grafting affect the ionome of cherry tomato plants under water stress?. <i>Soil Science and Plant Nutrition</i> , 2014 , 60, 145-155	1.6	18
67	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
66	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
65	Grafting between tobacco plants to enhance salinity tolerance. <i>Journal of Plant Physiology</i> , 2006 , 163, 1229-37	3.6	18
64	Roles of some nitrogenous compounds protectors in the resistance to zinc toxicity in <i>Lactuca sativa</i> cv. Phillipus and <i>Brassica oleracea</i> cv. Bronco. <i>Acta Physiologiae Plantarum</i> , 2015 , 37, 1	2.6	17
63	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
62	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
61	Possible role of HMA4a TILLING mutants of <i>Brassica rapa</i> in cadmium phytoremediation programs. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 180, 88-94	7	15
60	Comparative study of Zn deficiency in <i>L. sativa</i> and <i>B. oleracea</i> plants: NH ₄ (+) assimilation and nitrogen derived protective compounds. <i>Plant Science</i> , 2016 , 248, 8-16	5.3	15
59	Effects of climatic control on tomato yield and nutritional quality in Mediterranean screenhouse. <i>Journal of the Science of Food and Agriculture</i> , 2014 , 94, 63-70	4.3	15
58	Hydrogen sulphide increase the tolerance to alkalinity stress in cabbage plants (<i>Brassica oleracea</i> L. 'Bronco'). <i>Scientia Horticulturae</i> , 2018 , 235, 349-356	4.1	13
57	Biofortification with potassium: antioxidant responses during postharvest of cherry tomato fruits in cold storage. <i>Acta Physiologiae Plantarum</i> , 2014 , 36, 283-293	2.6	13
56	Zn-biofortification enhanced nitrogen metabolism and photorespiration process in green leafy vegetable <i>Lactuca sativa</i> L. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 1828-1836	4.3	11

55	Variation in the use efficiency of N under moderate water deficit in tomato plants (<i>Solanum lycopersicum</i>) differing in their tolerance to drought. <i>Acta Physiologiae Plantarum</i> , 2011 , 33, 1861-1865	2.6	11
54	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
53	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
52	Influence of temperature on biomass, iron metabolism and some related bioindicators in tomato and watermelon plants. <i>Journal of Plant Physiology</i> , 2003 , 160, 1065-71	3.6	11
51	Efficiency of the different genotypes of tomato in relation to foliar content of Fe and the response of some bioindicators. <i>Journal of Plant Nutrition</i> , 2000 , 23, 1777-1786	2.3	11
50	Metabolism and efficiency in nitrogen utilization during senescence in pepper plants: Response to nitrogenous fertilization. <i>Journal of Plant Nutrition</i> , 2000 , 23, 91-101	2.3	11
49	Phosphorus Metabolism and Yield Response to Increases in Nitrogen Phosphorus Fertilization: Improvement in Greenhouse Cultivation of Eggplant (<i>Solanum melongena</i> Cv. Bonica). <i>Journal of Agricultural and Food Chemistry</i> , 1998 , 46, 1603-1608	5.7	10
48	Calcium impact on phosphorus and its main bioindicators: Response in the roots and leaves of tobacco. <i>Journal of Plant Nutrition</i> , 1998 , 21, 2273-2285	2.3	10
47	Physiological profile of CAX1a TILLING mutants of <i>Brassica rapa</i> exposed to different calcium doses. <i>Plant Science</i> , 2018 , 272, 164-172	5.3	9
46	Pyruvate kinase activity as an indicator of the level of K(+), Mg(2+), and Ca(2+) in leaves and fruits of the cucumber: the role of potassium fertilization. <i>Journal of Agricultural and Food Chemistry</i> , 1999 , 47, 845-9	5.7	9
45	Study of Zn accumulation and tolerance of HMA4 TILLING mutants of <i>Brassica rapa</i> grown under Zn deficiency and Zn toxicity. <i>Plant Science</i> , 2019 , 287, 110201	5.3	8
44	PSARK::IPT expression causes protection of photosynthesis in tobacco plants during N deficiency. <i>Environmental and Experimental Botany</i> , 2014 , 98, 40-46	5.9	8
43	Regulation of Nitrogen Assimilation by Sulfur in Bean. <i>Journal of Plant Nutrition</i> , 2005 , 28, 1163-1174	2.3	8
42	Preliminary studies on the influence of boron on the foliar biomass and quality of tobacco leaves subjected to NO_3^- fertilisation. <i>Journal of the Science of Food and Agriculture</i> , 2001 , 81, 739-744	4.2	8
41	Implication of potassium on the quality of cherry tomato fruits after postharvest during cold storage. <i>International Journal of Food Sciences and Nutrition</i> , 2014 , 65, 203-11	3.7	7
40	Proline, Betaine, and Choline Responses to Different Phosphorus Levels in Green Bean. <i>Communications in Soil Science and Plant Analysis</i> , 2013 , 44, 465-472	1.5	7
39	Yield and biosynthesis of nitrogenous compounds in fruits of green bean (<i>Phaseolus vulgaris</i> L cv Strike) in response to increasing N fertilisation. <i>Journal of the Science of Food and Agriculture</i> , 2004 , 84, 575-580	4.3	7
38	Nitrogen metabolism and yield response of cucumber (<i>Cucumis sativus</i> L cv Brunex) plants to phosphorus fertilisation. <i>Journal of the Science of Food and Agriculture</i> , 2000 , 80, 2069-2073	4.3	7

37	Floating row covers affect Pb and Cd accumulation and antioxidant status in Chinese cabbage. <i>Scientia Horticulturae</i> , 2001 , 89, 85-92	4.1	7
36	Comparative study of the toxic effect of salinity in different genotypes of tomato plants: Carboxylates metabolism. <i>Scientia Horticulturae</i> , 2017 , 217, 173-178	4.1	6
35	Study of salt-stress tolerance and defensive mechanisms in Brassica rapa CAX1a TILLING mutants. <i>Environmental and Experimental Botany</i> , 2020 , 175, 104061	5.9	6
34	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
33	Iron Metabolism in Tomato and Watermelon Plants: Influence of Nitrogen Source. <i>Journal of Plant Nutrition</i> , 2003 , 26, 2413-2424	2.3	6
32	A Fogging System Improves Antioxidative Defense Responses and Productivity in Tomato. <i>Journal of the American Society for Horticultural Science</i> , 2013 , 138, 267-276	2.3	6
31	Effects of asparagus decline on nutrients and phenolic compounds, spear quality, and allelopathy. <i>Scientia Horticulturae</i> , 2020 , 261, 109029	4.1	6
30	Oxidative Stress in Relation With Micronutrient Deficiency or Toxicity 2018 , 181-194		6
29	Analysis of metabolic and nutritional biomarkers in Brassica oleracea L. cv. Bronco plants under alkaline stress. <i>Journal of Horticultural Science and Biotechnology</i> , 2018 , 93, 279-288	1.9	5
28	Physiological and Nutritional Evaluation of the Application of Phosphite as a Phosphorus Source in Cucumber Plants. <i>Communications in Soil Science and Plant Analysis</i> , 2014 , 45, 204-222	1.5	5
27	Response of oxidative metabolism to the application of carbendazim plus boron in tobacco. <i>Functional Plant Biology</i> , 2001 , 28, 801	2.7	5
26	The application of the silicon-based biostimulant Codasil [®] offset water deficit of lettuce plants. <i>Scientia Horticulturae</i> , 2021 , 285, 110177	4.1	5
25	Effect of CAX1a TILLING mutations and calcium concentration on some primary metabolism processes in Brassica rapa plants. <i>Journal of Plant Physiology</i> , 2019 , 237, 51-60	3.6	4
24	Phosphorus Levels Influence Plasma Membrane H ⁺ -ATPase Activity and K ⁺ , Ca ²⁺ , and Mg ²⁺ Assimilation in Green Bean. <i>Communications in Soil Science and Plant Analysis</i> , 2013 , 44, 456-464	1.5	4
23	Supplemental boron stimulates ammonium assimilation in leaves of tobacco plants (<i>Nicotiana tabacum</i> L.). <i>Plant Growth Regulation</i> , 2002 , 36, 231-236	3.2	4
22	METABOLISM AND EFFICIENCY OF PHOSPHORUS UTILIZATION DURING SENESCENCE IN PEPPER PLANTS: RESPONSE TO NITROGENOUS AND POTASSIUM FERTILIZATION. <i>Journal of Plant Nutrition</i> , 2001 , 24, 1731-1743	2.3	4
21	Influence of CaCl ₂ on the foliar biomass and quality of tobacco leaves. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 3600-5	5.7	4
20	Effects of nitrogen, phosphorous and potassium treatments on phosphorus fractions in melon plants. <i>Communications in Soil Science and Plant Analysis</i> , 1996 , 27, 1417-1425	1.5	4

19	Effect of Soil Temperature on K and Ca Concentrations and on ATPase and Pyruvate Kinase Activity in Potato Roots. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2002 , 37, 325-328	2.4	4
18	Tolerance to cadmium toxicity and phytoremediation potential of three Brassica rapa CAX1a TILLING mutants. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 189, 109961	7	4
17	Influence of nitrogen, phosphorus, and potassium on pigment concentration in cucumber leaves. <i>Communications in Soil Science and Plant Analysis</i> , 1996 , 27, 1001-1012	1.5	3
16	¿Son los pigmentos fotosintéticos buenos indicadores de la relación del nitrógeno, fósforo y potasio en frijol ejotero?. <i>Ecosistemas Y Recursos Agropecuarios</i> , 2018 , 5, 387	1.1	3
15	Nitrogen and photorespiration pathways, salt stress genotypic tolerance effects in tomato plants (<i>Solanum lycopersicum</i> L.). <i>Acta Physiologiae Plantarum</i> , 2020 , 42, 1	2.6	3
14	Assaying the use of sodium thiosulphate as a biostimulant and its effect on cadmium accumulation and tolerance in Brassica oleracea plants. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 200, 110760	7	2
13	Relationship between leaf micronutrient concentrations and fruit yield in new tomato cultivars. <i>Journal of Horticultural Science and Biotechnology</i> , 2005 , 80, 476-480	1.9	2
12	Renewed debate over transpiration and long-distance transport of minerals in plants. <i>Trends in Plant Science</i> , 2002 , 7, 56	13.1	2
11	Influence of nitrogen, phosphorus, and potassium on pigments concentrations in cucumber leaves. <i>Communications in Soil Science and Plant Analysis</i> , 1996 , 27, 1513-1526	1.5	2
10	Effect of bioregulators on the concentration of carbohydrates in pepper fruits. <i>Communications in Soil Science and Plant Analysis</i> , 1996 , 27, 1013-1025	1.5	2
9	NaSH: Phytotoxin or biostimulant in N assimilation in Brassica oleracea L. <i>Brassicaceae</i> plants?. <i>Scientia Horticulturae</i> , 2019 , 249, 471-477	4.1	1
8	The response of proline metabolism to nitrogen deficiency in pods and seeds of French bean (<i>Phaseolus vulgaris</i> L cv Strike) plants. <i>Journal of the Science of Food and Agriculture</i> , 2001 , 81, 1471-1475	4.3	1
7	Calcium silicate ameliorates zinc deficiency and toxicity symptoms in barley plants through improvements in nitrogen metabolism and photosynthesis. <i>Acta Physiologiae Plantarum</i> , 2021 , 43, 1	2.6	1
6	CAX1a TILLING Mutations Modify the Hormonal Balance Controlling Growth and Ion Homeostasis in Brassica rapa Plants Subjected to Salinity. <i>Agronomy</i> , 2020 , 10, 1699	3.6	1
5	Response of carboxylate metabolism to zinc deficiency in Lactuca sativa and Brassica oleracea plants. <i>Journal of Plant Nutrition and Soil Science</i> , 2016 , 179, 758-764	2.3	1
4	Root-zone temperature affects the phytoextraction of iron in contaminated soil. <i>Journal of Plant Nutrition</i> , 2016 , 39, 51-58	2.3	0
3	Improvement of the physiological response of barley plants to both Zinc deficiency and toxicity by the application of calcium silicate.. <i>Plant Science</i> , 2022 , 319, 111259	5.3	0
2	NITROGEN-PHOSPHORUS-POTASSIUM EFFECTS ON FORMS OF SULFUR IN LEAVES AND FRUITS OF CUCUMBER. <i>Journal of Plant Nutrition</i> , 2002 , 25, 2151-2159	2.3	

- 1 Evaluation of Physiological and Quality Parameters of Green Asparagus Spears Subjected to Three Treatments against the Decline Syndrome. *Agronomy*, **2021**, 11, 937 3.6