Esteban SÃ¡nchez ChÃ¡vez

List of Publications by Year
in descending order

48 papers	1,586 citations	394421 19 h-index	302126 39 g-index
48 all docs	48 docs citations	48 times ranked	2089 citing authors

#	Article	IF	Citations
1	Resistance to cold and heat stress: accumulation of phenolic compounds in tomato and watermelon plants. Plant Science, 2001, 160, 315-321.	3.6	560
2	Proline metabolism and NAD kinase activity in greenbean plants subjected to cold-shock. Phytochemistry, 2002, 59, 473-478.	2.9	88
3	Does grafting provide tomato plants an advantage against H2 O2 production under conditions of thermal shock?. Physiologia Plantarum, 2003, 117, 44-50.	5.2	75
4	Proline metabolism in response to highest nitrogen dosages in green bean plants (Phaseolus vulgaris) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.5	72
5	Bioactive Compounds and Antioxidant Activity in Different Grafted Varieties of Bell Pepper. Antioxidants, 2015, 4, 427-446.	5.1	70
6	Changes in biomass, enzymatic activity and protein concentration in roots and leaves of green bean plants (Phaseolus vulgaris L. cv. Strike) under high NH4NO3 application rates. Scientia Horticulturae, 2004, 99, 237-248.	3.6	65
7	Effect of Vermicompost and Compost on Lettuce Production. Chilean Journal of Agricultural Research, 2010, 70, 583-589.	1.1	49
8	BORON EFFECT ON MINERAL NUTRIENTS OF TOBACCO. Journal of Plant Nutrition, 2002, 25, 509-522.	1.9	42
9	Carbonic Anhydrase and Zinc in Plant Physiology. Chilean Journal of Agricultural Research, 2012, 72, 140-146.	1.1	42
10	Effect of calcium on mineral nutrient uptake and growth of tobacco. Journal of the Science of Food and Agriculture, 2001, 81, 1334-1338.	3.5	39
11	Proline metabolism in response to nitrogen toxicity in fruit of French Bean plants (Phaseolus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	3.6	33
12	Characterization of the Nutraceutical Quality and Antioxidant Activity in Bell Pepper in Response to Grafting. Molecules, 2013, 18, 15689-15703.	3.8	33
13	Is phenol oxidation responsible for the short-term effects of boron deficiency on plasma-membrane permeability and function in squash roots?. Plant Physiology and Biochemistry, 2002, 40, 853-858.	5.8	31
14	Direct Action of the Biocide Carbendazim on Phenolic Metabolism in Tobacco Plants. Journal of Agricultural and Food Chemistry, 2001, 49, 131-137.	5.2	27
15	Response of oxidative metabolism in watermelon plants subjected to cold stress. Functional Plant Biology, 2002, 29, 643.	2.1	27
16	Phenolic and Oxidative Metabolism as Bioindicators of Nitrogen Deficiency in French Bean Plants (Phaseolus vulgaris L. cv. Strike). Plant Biology, 2000, 2, 272-277.	3.8	23
17	Role of CaCl2 in Ammonium Assimilation in Roots of Tobacco Plants (Nicotiana tabacum L.). Journal of Plant Physiology, 2000, 156, 672-677.	3.5	23
18	Is the Application of Carbendazim Harmful to Healthy Plants? Evidence of Weak Phytotoxicity in Tobacco. Journal of Agricultural and Food Chemistry, 2002, 50, 279-283.	5.2	22

#	Article	IF	Citations
19	Title is missing!. Plant Growth Regulation, 2002, 36, 261-265.	3.4	22
20	Efficiency of foliar application of zinc oxide nanoparticles versus zinc nitrate complexed with chitosan on nitrogen assimilation, photosynthetic activity, and production of green beans (Phaseolus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.6	22
21	Salmonellaspp. andEscherichia coli: survival and growth in plant tissue. New Zealand Journal of Crop and Horticultural Science, 2010, 38, 47-55.	1.3	19
22	Phosphorus and Carbohydrate Metabolism in Green Bean Plants Subjected to Increasing Phosphorus Concentration in the Nutrient Solution. Agronomy, 2021, 11, 245.	3.0	19
23	CHEMICAL TREATMENTS IN â€œGOLDEN DELICIOUS SPURâ€•FRUITS IN RELATION TO RUSSETING AND NUTRITIONAL STATUS. Journal of Plant Nutrition, 2001, 24, 191-202.	1.9	18
24	Influence of temperature on biomass, iron metabolism and some related bioindicators in tomato and watermelon plants. Journal of Plant Physiology, 2003, 160, 1065-1071.	3.5	17
25	Efficiency of Nanoparticle, Sulfate, and Zinc-Chelate Use on Biomass, Yield, and Nitrogen Assimilation in Green Beans. Agronomy, 2019, 9, 128.	3.0	17
26	Impact of the foliar application of magnesium nanofertilizer on physiological and biochemical parameters and yield in green beans. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2020, 48, 2167-2181.	1.1	17
27	Zinc sulphate or zinc nanoparticle applications to leaves of green beans. Folia Horticulturae, 2021, 33, 365-375.	1.8	16
28	Proline, Betaine, and Choline Responses to Different Phosphorus Levels in Green Bean. Communications in Soil Science and Plant Analysis, 2013, 44, 465-472.	1.4	13
29	METABOLISM AND EFFICIENCY OF PHOSPHORUS UTILIZATION DURING SENESCENCE IN PEPPER PLANTS: RESPONSE TO NITROGENOUS AND POTASSIUM FERTILIZATION. Journal of Plant Nutrition, 2001, 24, 1731-1743.	1.9	10
30	Changes in nutrient concentration and oxidative metabolism in pecan leaflets at different doses of zinc. Plant, Soil and Environment, 2021, 67, 33-39.	2.2	10
31	Preliminary studies on the influence of boron on the foliar biomass and quality of tobacco leaves subjected to fertilisation. Journal of the Science of Food and Agriculture, 2001, 81, 739-744.	3.5	8
32	Yield and biosynthesis of nitrogenous compounds in fruits of green bean(Phaseolus vulgaris L cv) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2 84, 575-580.	3.5	7
33	Short communication. Effective pollination period in "RedChief" and "Golden Delicious" apples (Malus) Tj ETQq1 1 0.784314 rgBT /Ov	0.6	7
34	Title is missing!. Plant Growth Regulation, 2002, 36, 231-236.	3.4	6
35	Iron Metabolism in Tomato and Watermelon Plants: Influence of Nitrogen Source. Journal of Plant Nutrition, 2003, 26, 2413-2424.	1.9	6
36	Phosphorus Levels Influence Plasma Membrane H⁺-ATPase Activity and K⁺, Ca²⁺, and Mg²⁺Assimilation in Green Bean. Communications in Soil Science and Plant Analysis, 2013, 44, 456-464.	1.4	6

#	Article	IF	Citations
37	Response of oxidative metabolism to the application of carbendazim plus boron in tobacco. Functional Plant Biology, 2001, 28, 801.	2.1	6
38	Impact of the foliar application of nanoparticles, sulfate and iron chelate on the growth, yield and nitrogen assimilation in green beans. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2021, 49, 12437.	1.1	5
39	The response of proline metabolism to nitrogen deficiency in pods and seeds of French bean (Phaseolus vulgarisL cv Strike) plants. Journal of the Science of Food and Agriculture, 2001, 81, 1471-1475.	3.5	4
40	Biofortification efficiency with magnesium salts on the increase of bioactive compounds and antioxidant capacity in snap beans. Ciencia Rural, 2021, 51, .	0.5	3
41	Processing effect on the bioactive compounds content of Mexican jalapeÃ±o peppers for chipotle () Tj ETQq1 1 0.784314 rgBT /Overl	0.0	2
42	Efficiency and assimilation of nitrogen in bean plants through foliar application of zinc and molybdenum nano fertilizer. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2022, 50, 12719.	1.1	2
43	Computational characterization of sodium selenite using density functional theory. Journal of Molecular Modeling, 2011, 17, 701-708.	1.8	1
44	Influencia de la variedad, portainjerto y Ã©poca de cosecha en la calidad e Ãndices de madurez en pimiento morrÃ³n. Nova Scientia, 2017, 9, 1.	0.1	1
45	Assaying the efficiency of sulfate, chelate and zinc nanoparticle fertilizers in green bean grown in alkaline soil. Journal of Plant Nutrition, 2023, 46, 653-664.	1.9	1
46	Patrones para estimar la fertilidad del suelo mediante la tÃ©cnica de cromatografÃa de Pfeiffer. Terra Latinoamericana, 0, 39, .	0.3	0
47	Role of the Zinc Nutritional Status on Main Physiological Bioindicators of the Pecan Tree. Agricultural Sciences, 2017, 08, 1327-1336.	0.3	0
48	Caracterizacioì n mineral de manzana â€˜Red Deliciousâ€™ y â€˜Golden Deliciousâ€™ de dos paiìses productores. TECNOCIENCIA (MÃ©xico), 2018, 1, 6-17.	0.2	0