

Alfonso Albacete

List of Publications by Year in Descending Order

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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.

87
papers

2,972
citations

28
h-index

53
g-index

96
ext. papers

3,665
ext. citations

4.8
avg, IF

5.02
L-index

#	Paper	IF	Citations
87	The Use of Ecological Hydromulching Improves Growth in Escarole (<i>Cichorium endivia</i> L.) Plants Subjected to Drought Stress by Fine-Tuning Cytokinins and Abscisic Acid Balance. <i>Agronomy</i> , 2022 , 12, 459	3.6	0
86	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
85	The Efficiency of Different Priming Agents for Improving Germination and Early Seedling Growth of Local Tunisian Barley under Salinity Stress. <i>Plants</i> , 2021 , 10,	4.5	5
84	Contrasting Rootstock-Mediated Growth and Yield Responses in Salinized Pepper Plants (L.) Are Associated with Changes in the Hormonal Balance. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
83	Overproduction of ABA in rootstocks alleviates salinity stress in tomato shoots. <i>Plant, Cell and Environment</i> , 2021 , 44, 2966-2986	8.4	10
82	Alternate bearing in fruit trees: fruit presence induces polar auxin transport in citrus and olive stem and represses IAA release from the bud. <i>Journal of Experimental Botany</i> , 2021 , 72, 2450-2462	7	5
81	Carotene and <i>Bacillus thuringiensis</i> insecticidal protein differentially modulate feeding behaviour, mortality and physiology of European corn borer (<i>Ostrinia nubilalis</i>). <i>PLoS ONE</i> , 2021 , 16, e0246696 ⁰	3.7	0
80	An auxin-mediated regulatory framework for wound-induced adventitious root formation in tomato shoot explants. <i>Plant, Cell and Environment</i> , 2021 , 44, 1642-1662	8.4	4
79	Girdling changes root and shoot hormonal balance but does not alter drought-induced stomatal closure in soybean. <i>Environmental and Experimental Botany</i> , 2021 , 192, 104657	5.9	2
78	Exploring <i>Solanum</i> rootstock biodiversity for improving nutrient use efficiency in tomato. <i>Acta Horticulturae</i> , 2021 , 201-208	0.3	
77	Interaction between Humic Substances and Plant Hormones for Phosphorous Acquisition. <i>Agronomy</i> , 2020 , 10, 640	3.6	20
76	Irrigation frequency transiently alters whole plant gas exchange, water and hormone status, but irrigation volume determines cumulative growth in two herbaceous crops. <i>Environmental and Experimental Botany</i> , 2020 , 176, 104101	5.9	6
75	Soil moisture heterogeneity regulates water use in <i>Populus nigra</i> L. by altering root and xylem sap phytohormone concentrations. <i>Tree Physiology</i> , 2020 , 40, 762-773	4.2	2
74	Alternate wetting and drying irrigation increases water and phosphorus use efficiency independent of substrate phosphorus status of vegetative rice plants. <i>Plant Physiology and Biochemistry</i> , 2020 , 155, 914-926	5.4	6
73	Alternation of wet and dry sides during partial rootzone drying irrigation enhances leaf ethylene evolution. <i>Environmental and Experimental Botany</i> , 2020 , 176, 104095	5.9	9
72	Genetic Analysis of Root-to-Shoot Signaling and Rootstock-Mediated Tolerance to Water Deficit in Tomato. <i>Genes</i> , 2020 , 12,	4.2	4
71	Tolerance to cadmium toxicity and phytoremediation potential of three <i>Brassica rapa</i> CAX1a TILLING mutants. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 189, 109961	7	4

70	Rootstocks for increasing yield stability and sustainability in vegetable crops. <i>Acta Horticulturae</i> , 2020 , 449-470	0.3	4
69	The Use of Red Shade Nets Improves Growth in Salinized Pepper (<i>Capsicum annuum</i> L.) Plants by Regulating Their Ion Homeostasis and Hormone Balance. <i>Agronomy</i> , 2020 , 10, 1766	3.6	2
68	CAX1a TILLING Mutations Modify the Hormonal Balance Controlling Growth and Ion Homeostasis in <i>Brassica rapa</i> Plants Subjected to Salinity. <i>Agronomy</i> , 2020 , 10, 1699	3.6	1
67	Early-stage sugar beet taproot development is characterized by three distinct physiological phases. <i>Plant Direct</i> , 2020 , 4, e00221	3.3	1
66	Impact of overexpression of 9-cis-epoxycarotenoid dioxygenase on growth and gene expression under salinity stress. <i>Plant Science</i> , 2020 , 295, 110268	5.3	15
65	Effect of CAX1a TILLING mutations and calcium concentration on some primary metabolism processes in <i>Brassica rapa</i> plants. <i>Journal of Plant Physiology</i> , 2019 , 237, 51-60	3.6	4
64	The growth impairment of salinized fenugreek (<i>Trigonella foenum-graecum</i> L.) plants is associated to changes in the hormonal balance. <i>Journal of Plant Physiology</i> , 2019 , 232, 311-319	3.6	8
63	Stomatal conductance and foliar phytohormones under water status changes in <i>Annona leptopetala</i> , a woody deciduous species in tropical dry forest. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2018 , 242, 1-7	1.9	2
62	Enhanced Conjugation of Auxin by GH3 Enzymes Leads to Poor Adventitious Rooting in Carnation Stem Cuttings. <i>Frontiers in Plant Science</i> , 2018 , 9, 566	6.2	15
61	Phytohormone Signaling of the Resistance to Plum pox virus (PPV, Sharka Disease) Induced by Almond (<i>Prunus dulcis</i> (Miller) Webb) Grafting to Peach (<i>P. persica</i> L. Batsch). <i>Viruses</i> , 2018 , 10,	6.2	12
60	Overexpression of the vascular brassinosteroid receptor BRL3 confers drought resistance without penalizing plant growth. <i>Nature Communications</i> , 2018 , 9, 4680	17.4	103
59	Phenotypic, molecular and phytohormonal evidence of Plum pox virus silencing in susceptible apricot genotypes. <i>Acta Horticulturae</i> , 2018 , 227-230	0.3	
58	Phytohormonal analysis of the resistance to Plum pox virus induced by grafting from almond to peach. <i>Acta Horticulturae</i> , 2018 , 363-366	0.3	
57	Leaf phytohormone levels and stomatal control in an evergreen woody species under semiarid environment in a Brazilian seasonally dry tropical forest. <i>Plant Growth Regulation</i> , 2018 , 85, 437-445	3.2	7
56	Quantification of Cytokinin Levels and Responses in Abiotic Stresses. <i>Methods in Molecular Biology</i> , 2017 , 1569, 101-111	1.4	1
55	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
54	The interaction between foliar GA application and arbuscular mycorrhizal fungi inoculation improves growth in salinized tomato (<i>Solanum lycopersicum</i> L.) plants by modifying the hormonal balance. <i>Journal of Plant Physiology</i> , 2017 , 214, 134-144	3.6	44
53	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

52	Red blotch disease alters grape berry development and metabolism by interfering with the transcriptional and hormonal regulation of ripening. <i>Journal of Experimental Botany</i> , 2017 , 68, 1225-1238	7	61
51	Genetic analysis of rootstock-mediated nitrogen (N) uptake and root-to-shoot signalling at contrasting N availabilities in tomato. <i>Plant Science</i> , 2017 , 263, 94-106	5.3	11
50	Selecting vegetative/generative/dwarfing rootstocks for improving fruit yield and quality in water stressed sweet peppers. <i>Scientia Horticulturae</i> , 2017 , 214, 9-17	4.1	36
49	Multiple factors influence adventitious rooting in carnation (<i>Dianthus caryophyllus</i> L.) stem cuttings. <i>Plant Growth Regulation</i> , 2017 , 81, 511-521	3.2	4
48	Hormonal and Nutritional Features in Contrasting Rootstock-mediated Tomato Growth under Low-phosphorus Nutrition. <i>Frontiers in Plant Science</i> , 2017 , 8, 533	6.2	16
47	Phytohormone profile in <i>Lactuca sativa</i> and <i>Brassica oleracea</i> plants grown under Zn deficiency. <i>Phytochemistry</i> , 2016 , 130, 85-9	4	21
46	Root-to-Shoot Hormonal Communication in Contrasting Rootstocks Suggests an Important Role for the Ethylene Precursor Aminocyclopropane-1-carboxylic Acid in Mediating Plant Growth under Low-Potassium Nutrition in Tomato. <i>Frontiers in Plant Science</i> , 2016 , 7, 1782	6.2	15
45	Exploring the use of recombinant inbred lines in combination with beneficial microbial inoculants (AM fungus and PGPR) to improve drought stress tolerance in tomato. <i>Environmental and Experimental Botany</i> , 2016 , 131, 47-57	5.9	68
44	Response of carboxylate metabolism to zinc deficiency in <i>Lactuca sativa</i> and <i>Brassica oleracea</i> plants. <i>Journal of Plant Nutrition and Soil Science</i> , 2016 , 179, 758-764	2.3	1
43	Improving agronomic water use efficiency in tomato by rootstock-mediated hormonal regulation of leaf biomass. <i>Plant Science</i> , 2016 , 251, 90-100	5.3	42
42	The Arabidopsis PLAT domain protein1 promotes abiotic stress tolerance and growth in tobacco. <i>Transgenic Research</i> , 2015 , 24, 651-63	3.3	8
41	Unravelling rootstock- π cion interactions to improve food security. <i>Journal of Experimental Botany</i> , 2015 , 66, 2211-26	7	146
40	Ectopic overexpression of the cell wall invertase gene CIN1 leads to dehydration avoidance in tomato. <i>Journal of Experimental Botany</i> , 2015 , 66, 863-78	7	53
39	ROOTSTOCK-MEDIATED VARIATION IN TOMATO VEGETATIVE GROWTH UNDER LOW POTASSIUM OR PHOSPHOROUS SUPPLIES. <i>Acta Horticulturae</i> , 2015 , 147-152	0.3	8
38	ROOTSTOCK-MEDIATED VARIATION IN TOMATO VEGETATIVE GROWTH UNDER DROUGHT, SALINITY AND SOIL IMPEDANCE STRESSES. <i>Acta Horticulturae</i> , 2015 , 141-146	0.3	8
37	Effects of Fe deficiency on the protein profile of <i>Brassica napus</i> phloem sap. <i>Proteomics</i> , 2015 , 15, 3835-43	4.3	13
36	Simple and robust determination of the activity signature of key carbohydrate metabolism enzymes for physiological phenotyping in model and crop plants. <i>Journal of Experimental Botany</i> , 2015 , 66, 5531-42	7	45
35	Influence of municipal solid waste (MSW) compost on hormonal status and biomass partitioning in two forage species growing under saline soil conditions. <i>Ecological Engineering</i> , 2014 , 64, 142-150	3.9	17

34	Early steps of adventitious rooting: morphology, hormonal profiling and carbohydrate turnover in carnation stem cuttings. <i>Physiologia Plantarum</i> , 2014 , 150, 446-62	4.6	57
33	Hormonal and metabolic regulation of source-sink relations under salinity and drought: from plant survival to crop yield stability. <i>Biotechnology Advances</i> , 2014 , 32, 12-30	17.8	124
32	Hormonal and metabolic regulation of tomato fruit sink activity and yield under salinity. <i>Journal of Experimental Botany</i> , 2014 , 65, 6081-95	7	46
31	A rapid phytohormone and phytoalexin screening method for physiological phenotyping. <i>Molecular Plant</i> , 2014 , 7, 1053-1056	14.4	29
30	The Arabidopsis PLAT domain protein1 is critically involved in abiotic stress tolerance. <i>PLoS ONE</i> , 2014 , 9, e112946	3.7	27
29	Response to nitrate/ammonium nutrition of tomato (<i>Solanum lycopersicum</i> L.) plants overexpressing a prokaryotic NH ₄ (+)-dependent asparagine synthetase. <i>Journal of Plant Physiology</i> , 2013 , 170, 676-87	3.6	23
28	Antioxidant enzyme activities and hormonal status in response to Cd stress in the wetland halophyte <i>Kosteletzkya virginica</i> under saline conditions. <i>Physiologia Plantarum</i> , 2013 , 147, 352-68	4.6	62
27	Hormonal responses of nodulated <i>Medicago ciliaris</i> lines differing in salt tolerance. <i>Environmental and Experimental Botany</i> , 2013 , 86, 35-43	5.9	12
26	Deficiency in riboflavin biosynthesis affects tetrapyrrole biosynthesis in etiolated Arabidopsis tissue. <i>Plant Molecular Biology</i> , 2012 , 78, 77-93	4.6	21
25	Role of thioproline on seed germination: interaction ROS-ABA and effects on antioxidative metabolism. <i>Plant Physiology and Biochemistry</i> , 2012 , 59, 30-6	5.4	17
24	Involvement of source-sink relationship and hormonal control in the response of <i>Medicago ciliaris</i> - <i>Sinorhizobium medicae</i> symbiosis to salt stress. <i>Acta Biologica Hungarica</i> , 2012 , 63, 97-112		4
23	Physiological and molecular analysis of the interaction between aluminium toxicity and drought stress in common bean (<i>Phaseolus vulgaris</i>). <i>Journal of Experimental Botany</i> , 2012 , 63, 3109-25	7	50
22	HORMONAL SIGNALLING OF THE TRICHODERMA HARZIANUM-INDUCED RESISTANCE TO FUSARIUM OXYSPORUM AND GROWTH PROMOTION EFFECT IN MELON PLANTS. <i>Acta Horticulturae</i> , 2011 , 61-67	0.3	2
21	HYDROGEN PEROXIDE AS AN INDUCER OF SEED GERMINATION: ITS EFFECTS ON ANTIOXIDATIVE METABOLISM AND PLANT HORMONE CONTENTS IN PEA SEEDLINGS. <i>Acta Horticulturae</i> , 2011 , 229-236	0.3	4
20	BAPTISM OF TOMATO SEEDLINGS BY OSMOTIC STRESS ALTERS ABA RELATIONS AND IMPROVES TOLERANCE TO SALT AND WATER STRESS AFTER TRANSPLANT. <i>Acta Horticulturae</i> , 2011 , 327-334	0.3	3
19	Root-targeted biotechnology to mediate hormonal signalling and improve crop stress tolerance. <i>Plant Cell Reports</i> , 2011 , 30, 807-23	5.1	85
18	Nitrogen Form Alters Hormonal Balance in Salt-treated Tomato (<i>Solanum lycopersicum</i> L.). <i>Journal of Plant Growth Regulation</i> , 2011 , 30, 144-157	4.7	18
17	TELMA: Technology enhanced learning environment for Minimally Invasive Surgery. <i>Procedia Computer Science</i> , 2011 , 3, 316-321	1.6	2

16	The interaction with arbuscular mycorrhizal fungi or <i>Trichoderma harzianum</i> alters the shoot hormonal profile in melon plants. <i>Phytochemistry</i> , 2011 , 72, 223-9	4	71
15	Root-synthesized cytokinins improve shoot growth and fruit yield in salinized tomato (<i>Solanum lycopersicum</i> L.) plants. <i>Journal of Experimental Botany</i> , 2011 , 62, 125-40	7	174
14	Stomatal and mesophyll conductances to CO ₂ are the main limitations to photosynthesis in sugar beet (<i>Beta vulgaris</i>) plants grown with excess zinc. <i>New Phytologist</i> , 2010 , 187, 145-158	9.8	106
13	Interaction between hydrogen peroxide and plant hormones during germination and the early growth of pea seedlings. <i>Plant, Cell and Environment</i> , 2010 , 33, 981-94	8.4	141
12	Principal component analysis of hormone profiling data suggests an important role for cytokinins in regulating leaf growth and senescence of salinized tomato. <i>Plant Signaling and Behavior</i> , 2010 , 5, 45-8	2.5	24
11	Hormonal regulation of source - sink relations to maintain crop productivity under salinity: a case study of root-to-shoot signalling in tomato. <i>Functional Plant Biology</i> , 2010 , 37, 592	2.7	97
10	<i>Trichoderma harzianum</i> and <i>Glomus intraradices</i> modify the hormone disruption induced by <i>Fusarium oxysporum</i> infection in melon plants. <i>Phytopathology</i> , 2010 , 100, 682-8	3.8	48
9	Genetic analysis of physiological components of salt tolerance conferred by <i>Solanum</i> rootstocks. What is the rootstock doing for the scion?. <i>Theoretical and Applied Genetics</i> , 2010 , 121, 105-15	6	34
8	Salt tolerance of nitrogen fixation in <i>Medicago ciliaris</i> is related to nodule sucrose metabolism performance rather than antioxidant system. <i>Symbiosis</i> , 2010 , 51, 187-195	3	10
7	Rootstock-mediated changes in xylem ionic and hormonal status are correlated with delayed leaf senescence, and increased leaf area and crop productivity in salinized tomato. <i>Plant, Cell and Environment</i> , 2009 , 32, 928-38	8.4	157
6	Water relations of the <i>tos1</i> tomato mutant at contrasting evaporative demand. <i>Physiologia Plantarum</i> , 2009 , 137, 36-43	4.6	4
5	Response of nitrogen fixation in relation to nodule carbohydrate metabolism in <i>Medicago ciliaris</i> lines subjected to salt stress. <i>Journal of Plant Physiology</i> , 2009 , 166, 477-88	3.6	40
4	Impact of salinity on early reproductive physiology of tomato (<i>Solanum lycopersicum</i>) in relation to a heterogeneous distribution of toxic ions in flower organs. <i>Functional Plant Biology</i> , 2009 , 36, 125-136	2.7	46
3	Hormonal changes in relation to biomass partitioning and shoot growth impairment in salinized tomato (<i>Solanum lycopersicum</i> L.) plants. <i>Journal of Experimental Botany</i> , 2008 , 59, 4119-31	7	300
2	Hormonal changes during salinity-induced leaf senescence in tomato (<i>Solanum lycopersicum</i> L.). <i>Journal of Experimental Botany</i> , 2008 , 59, 3039-50	7	213
1	Increasing plant vigour and tomato fruit yield under salinity by inducing plant adaptation at the earliest seedling stage. <i>Environmental and Experimental Botany</i> , 2007 , 60, 77-85	5.9	14