Sara Ivarez

List of Publications by Citations

35 papers	1,110 citations	22 h-index	33 g-index
38 ext. papers	1,327 ext. citations	3.4 avg, IF	4.83 L-index

#	Paper	IF	Citations
35	Physiological and biochemical mechanisms of the ornamental Eugenia myrtifolia L. plants for coping with NaCl stress and recovery. *Planta*, **2015**, 242, 829-46	4.7	82
34	Root dynamics of peach trees submitted to partial rootzone drying and continuous deficit irrigation. *Agricultural Water Management*, **2008**, 95, 959-967	5.9	70
33	NaCl-induced physiological and biochemical adaptative mechanisms in the ornamental Myrtus communis L. plants. *Journal of Plant Physiology*, **2015**, 183, 41-51	3.6	69
32	Osmotic and saline effect on growth, water relations, and ion uptake and translocation in Phlomis purpurea plants. *Environmental and Experimental Botany*, **2012**, 78, 138-145	5.9	65
31	Changes in leaf water relations, gas exchange, growth and flowering quality in potted geranium plants irrigated with different water regimes. *Journal of Plant Physiology*, **2009**, 166, 467-76	3.6	60
30	Transpiration, photosynthetic responses, tissue water relations and dry mass partitioning in Callistemon plants during drought conditions. *Scientia Horticulturae*, **2011**, 129, 306-312	4.1	57
29	Long-term effect of salinity on plant quality, water relations, photosynthetic parameters and ion distribution in Callistemon citrinus. *Plant Biology*, **2014**, 16, 757-64	3.7	55
28	Salicylic acid negatively affects the response to salt stress in pea plants. *Plant Biology*, **2011**, 13, 909-17	3.7	54
27	Regulated deficit irrigation in potted Dianthus plants: Effects of severe and moderate water stress on growth and physiological responses. *Scientia Horticulturae*, **2009**, 122, 579-585	4.1	52
26	Influence of DEM resolution on modelling hydrological connectivity in a complex agricultural catchment with woody crops. *Earth Surface Processes and Landforms*, **2018**, 43, 1403-1415	3.7	51
25	Changes in growth rate, root morphology and water use efficiency of potted Callistemon citrinus plants in response to different levels of water deficit. *Scientia Horticulturae*, **2013**, 156, 54-62	4.1	42
24	Comparison of individual and combined effects of salinity and deficit irrigation on physiological, nutritional and ornamental aspects of tolerance in Callistemon laevis plants. *Journal of Plant Physiology*, **2015**, 185, 65-74	3.6	38
23	Long term responses and adaptive strategies of Pistacia lentiscus under moderate and severe deficit irrigation and salinity: Osmotic and elastic adjustment, growth, ion uptake and photosynthetic activity. *Agricultural Water Management*, **2018**, 202, 253-262	5.9	38
22	Effectiveness of Cover Crops to Reduce Loss of Soil Organic Matter in a Rainfed Vineyard. *Land*, **2020**, 9, 230	3.5	38
21	Water relations, nutrient content and developmental responses of Euonymus plants irrigated with water of different degrees of salinity and quality. *Journal of Plant Research*, **2013**, 126, 567-76	2.6	36
20	The long-term resistance mechanisms, critical irrigation threshold and relief capacity shown by Eugenia myrtifolia plants in response to saline reclaimed water. *Plant Physiology and Biochemistry*, **2017**, 111, 244-256	5.4	35
19	Salts and nutrients present in regenerated waters induce changes in water relations, antioxidative metabolism, ion accumulation and restricted ion uptake in Myrtus communis L. plants. *Plant Physiology and Biochemistry*, **2014**, 85, 41-50	5.4	33

18	Soil and Water Conservation in Rainfed Vineyards with Common Sainfoin and Spontaneous Vegetation under Different Ground Conditions. *Water (Switzerland)*, **2018**, 10, 1058	3	30
17	Physiological mechanisms involved in the recovery of euonymus and laurustinus subjected to saline waters. *Agricultural Water Management*, **2013**, 128, 131-139	5.9	26
16	Changes in tissue-water relations, photosynthetic activity, and growth of Myrtus communis plants in response to different conditions of water availability. *Journal of Horticultural Science and Biotechnology*, **2009**, 84, 541-547	1.9	24
15	Regulated deficit irrigation in different phenological stages of potted geranium plants: water consumption, water relations and ornamental quality. *Acta Physiologiae Plantarum*, **2013**, 35, 1257-1267	2.6	23
14	Stability and patterns of topsoil water content in rainfed vineyards, olive groves, and cereal fields under different soil and tillage conditions. *Agricultural Water Management*, **2018**, 201, 167-176	5.9	22
13	Deficit irrigation as a strategy to control growth in ornamental plants and enhance their ability to adapt to drought conditions. *Journal of Horticultural Science and Biotechnology*, **2019**, 94, 137-150	1.9	20
12	Changes in growth, physiological parameters and the hormonal status of Myrtus communis L. plants irrigated with water with different chemical compositions. *Journal of Plant Physiology*, **2016**, 191, 12-21	3.6	19
11	Root System Response to Drought and Salinity: Root Distribution and Water Transport. *Soil Biology*, **2014**, 325-352	1	18
10	Irrigation of Myrtus communis plants with reclaimed water: morphological and physiological responses to different levels of salinity. *Journal of Horticultural Science and Biotechnology*, **2014**, 89, 487-494	1.9	17
9	Application of deficit irrigation in Phillyrea angustifolia for landscaping purposes. *Agricultural Water Management*, **2019**, 218, 193-202	5.9	9
8	Rootstock Effects on Water Relations of Young Almond Trees (cv. Soleta) When Subjected to Water Stress and Rehydration. *Water (Switzerland)*, **2020**, 12, 3319	3	7
7	PHOTOSYNTHETIC RESPONSE, BIOMASS DISTRIBUTION AND WATER STATUS CHANGES IN RHAMNUS ALATERNUS PLANTS DURING DROUGHT. *Acta Horticulturae*, **2012**, 853-860	0.3	5
6	Assessment of soil salinity indexes using electrical conductivity sensors. *Scientia Horticulturae*, **2021**, 285, 110171	4.1	5
5	Influence of mycorrhizal or microbial complex inoculation on laurustinus plants irrigated with reclaimed water. *Journal of Horticultural Science and Biotechnology*, **2020**, 95, 661-672	1.9	3
4	GROWTH, WATER RELATIONS AND ION ACCUMULATION IN PHLOMIS PURPUREA PLANTS UNDER WATER DEFICIT AND SALINITY. *Acta Horticulturae*, **2012**, 719-725	0.3	2
3	Physiological responses of almond trees under regulated deficit irrigation using saline and desalinated reclaimed water. *Agricultural Water Management*, **2021**, 258, 107172	5.9	2
2	The use of reclaimed water is a viable and safe strategy for the irrigation of myrtle plants in a scenario of climate change. *Water Science and Technology: Water Supply*, **2019**, 19, 1741-1747	1.4	1
1	Sentinel-2 Satellite Imagery for Agronomic and Quality Variability Assessment of Pistachio (Pistacia vera L.). *Sustainability*, **2020**, 12, 8437	3.6	0