Arturo Alvino

List of Publications by Year
in descending order

36 papers	1,677 citations	361045 20 h-index	360668 35 g-index
36 all docs	36 docs citations	36 times ranked	1931 citing authors

#	Article	IF	Citations
1	Restrictions to Carbon Dioxide Conductance and Photosynthesis in Spinach Leaves Recovering from Salt Stress. Plant Physiology, 1999, 119, 1101-1106.	2.3	218
2	Interactive Water and Nitrogen Effects on Senescence of Maize. II. Photosynthetic Decline and Longevity of Individual Leaves. Agronomy Journal, 1988, 80, 865-870.	0.9	172
3	Interactive Water and Nitrogen Effects on Senescence of Maize. I. Leaf Area Duration, Nitrogen Distribution, and Yield. Agronomy Journal, 1988, 80, 859-864.	0.9	135
4	Consequences of salt stress on conductance to CO2 diffusion, Rubisco characteristics and anatomy of spinach leaves. Functional Plant Biology, 1998, 25, 395.	1.1	130
5	Effect of foliar application of N and humic acids on growth and yield of durum wheat. Agronomy for Sustainable Development, 2005, 25, 183-191.	2.2	122
6	Isoprenoids content and photosynthetic limitations in rosemary and spearmint plants under water stress. Agriculture, Ecosystems and Environment, 2005, 106, 243-252.	2.5	110
7	The effect of deficit irrigation on seasonal variations of plant water use in Olea europaea L.. Plant and Soil, 2005, 273, 139-155.	1.8	83
8	Deficit irrigation affects seasonal changes in leaf physiology and oil quality of Olea europaea (cultivars Frantoio and Leccino). Annals of Applied Biology, 2007, 150, 169-186.	1.3	75
9	Drought-stress Effects on Physiology, Growth and Biomass Production of Rainfed and Irrigated Bell Pepper Plants in the Mediterranean Region. Journal of the American Society for Horticultural Science, 2001, 126, 297-304.	0.5	71
10	Remote Sensing for Irrigation of Horticultural Crops. Horticulturae, 2017, 3, 40.	1.2	64
11	The response of sugar beet to drip and low-pressure sprinkler irrigation in southern Italy. Agricultural Water Management, 2003, 60, 135-155.	2.4	54
12	Variation in Ecophysiological Traits and Drought Tolerance of Beech (Fagus sylvatica L.) Seedlings from Different Populations. Frontiers in Plant Science, 2016, 7, 886.	1.7	36
13	Detection of homogeneous wheat areas using multi-temporal UAS images and ground truth data analyzed by cluster analysis. European Journal of Remote Sensing, 2018, 51, 266-275.	1.7	35
14	A Review of Crop Water Stress Assessment Using Remote Sensing. Remote Sensing, 2021, 13, 4155.	1.8	35
15	Crop yield and grain quality of emmer populations grown in central Italy, as affected by nitrogen fertilization. European Journal of Agronomy, 2009, 31, 233-240.	1.9	30
16	Effects of varying nitrogen fertilization on crop yield and grain quality of emmer grown in a typical Mediterranean environment in central Italy. European Journal of Agronomy, 2011, 34, 172-180.	1.9	29
17	Detection of Spatial and Temporal Variability of Wheat Cultivars by High-Resolution Vegetation Indices. Agronomy, 2019, 9, 226.	1.3	29
18	Use of soil and vegetation spectroradiometry to investigate crop water use efficiency of a drip irrigated tomato. European Journal of Agronomy, 2014, 59, 67-77.	1.9	26

#	Article	IF	Citations
19	Agronomic Traits Analysis of Ten Winter Wheat Cultivars Clustered by UAV-Derived Vegetation Indices. Remote Sensing, 2020, 12, 249.	1.8	26
20	Response to low soil water potential in pea genotypes (Pisum sativum L.) with different leaf morphology. Scientia Horticulturae, 1993, 53, 21-34.	1.7	23
21	Proximal sensing and vegetation indices for site-specific evaluation on an irrigated crop tomato. European Journal of Remote Sensing, 2014, 47, 271-283.	1.7	21
22	Effect of shading and air temperature on leaf photosynthesis, fluorescence and growth in lily plants. Scientia Horticulturae, 1997, 69, 259-273.	1.7	20
23	Vegetation Indices Data Clustering for Dynamic Monitoring and Classification of Wheat Yield Crop Traits. Remote Sensing, 2021, 13, 541.	1.8	18
24	Hyperspectral vegetation indices for predicting onion (Allium cepa L.) yield spatial variability. Computers and Electronics in Agriculture, 2015, 116, 109-117.	3.7	17
25	Agronomic traits and vegetation indices of two onion hybrids. Scientia Horticulturae, 2013, 155, 56-64.	1.7	16
26	Solar Fertigation: A Sustainable and Smart IoT-Based Irrigation and Fertilization System for Efficient Water and Nutrient Management. Agronomy, 2022, 12, 1012.	1.3	15
27	Use of proximal sensing and vegetation indexes to detect the inefficient spatial allocation of drip irrigation in a spot area of tomato field crop. Precision Agriculture, 2015, 16, 613-629.	3.1	14
28	Evaluation of the Effect of Irrigation on Biometric Growth, Physiological Response, and Essential Oil of Mentha spicata (L.). Water (Switzerland), 2019, 11, 2264.	1.2	14
29	Cultivar discrimination at different site elevations with remotely sensed vegetation indices. Italian Journal of Agronomy, 2011, 6, 1.	0.4	11
30	Soil porosity in a peach orchard as influenced by water table depth. Agricultural Water Management, 1989, 16, 63-73.	2.4	8
31	Short-term Effects of Fumigation with Gaseous Methanol on Photosynthesis in Horticultural Plants. Journal of the American Society for Horticultural Science, 1999, 124, 377-380.	0.5	7
32	Evaluation of field bean lines grown with a shallow water table maintained at different levels. Field Crops Research, 1983, 6, 179-188.	2.3	4
33	Root dynamics of peach as a function of winter water table level and rootstock. Scientia Horticulturae, 1994, 56, 275-290.	1.7	3
34	Refining Irrigation Strategies in Horticultural Production. Horticulturae, 2021, 7, 29.	1.2	3
35	Foliar senescence in maize plants grown under different water regimes. Agronomy for Sustainable Development, 1999, 19, 591-601.	0.8	3
36	A mathematical approach for estimating light absorption by a crop from continuous radiation measurements and restricted absorption data. Computers and Electronics in Agriculture, 1999, 22, 71-81.	3.7	0