Franco Meggio

List of Publications by Year
in descending order

31 papers	1,177 citations	516215 16 h-index	476904 29 g-index
31 all docs	31 docs citations	31 times ranked	1846 citing authors

#	Article	IF	Citations
1	The interplay between grape ripening and weather anomalies in Northern Italy â€“ A modelling exercise. Oeno One, 2022, 56, 353-373.	0.7	3
2	Grapevine Rootstocks Differently Affect Physiological and Molecular Responses of the Scion under Water Deficit Condition. Agronomy, 2021, 11, 289.	1.3	11
3	Evaluating the Spectral and Physiological Responses of Grapevines (Vitis vinifera L.) to Heat and Water Stresses under Different Vineyard Cooling and Irrigation Strategies. Agronomy, 2021, 11, 1940.	1.3	19
4	Systematic Investigation of the Effects of a Novel Protein Hydrolysate on the Growth, Physiological Parameters, Fruit Development and Yield of Grapevine (Vitis Vinifera L., cv Sauvignon Blanc) under Water Stress Conditions. Agronomy, 2020, 10, 1785.	1.3	10
5	Medium-Resolution Multispectral Data from Sentinel-2 to Assess the Damage and the Recovery Time of Late Frost on Vineyards. Remote Sensing, 2020, 12, 1896.	1.8	19
6	Partitioning of seasonal aboveâ€ground biomass of four vineyard-grown varieties: Development of a modelling framework to infer temperature-rate response functions. Scientia Horticulturae, 2019, 258, 108796.	1.7	2
7	Analysis and impact of recent climate trends on grape composition in north-east Italy. BIO Web of Conferences, 2019, 13, 04014.	0.1	8
8	Extreme Weather Events in Agriculture: A Systematic Review. Sustainability, 2019, 11, 2547.	1.6	97
9	Assessing Across-Scale Optical Diversity and Productivity Relationships in Grasslands of the Italian Alps. Remote Sensing, 2019, 11, 614.	1.8	11
10	Flooding Responses on Grapevine: A Physiological, Transcriptional, and Metabolic Perspective. Frontiers in Plant Science, 2019, 10, 339.	1.7	39
11	Infrared Thermography to Estimate Vine Water Status: Optimizing Canopy Measurements and Thermal Indices for the Varieties Merlot and Moscato in Northern Italy. Agronomy, 2019, 9, 821.	1.3	19
12	Assessing the Feasibility of Using Sentinel-2 Imagery to Quantify the Impact of Heatwaves on Irrigated Vineyards. Remote Sensing, 2019, 11, 2869.	1.8	29
13	Application of the Kinect sensor for three dimensional characterization of vine canopy. Advances in Animal Biosciences, 2017, 8, 525-529.	1.0	7
14	Carbon sequestration potential of Italian orchards and vineyards. Acta Horticulturae, 2017, , 145-150.	0.1	2
15	Grapevine Rootstocks Differentially Affect the Rate of Ripening and Modulate Auxin-Related Genes in Cabernet Sauvignon Berries. Frontiers in Plant Science, 2016, 7, 69.	1.7	67
16	Effect of water and salt stress on energy partitioning of two grapevine rootstock genotypes: a quantitative assessment. Acta Horticulturae, 2016, , 121-128.	0.1	0
17	Transcriptome pathways in leaf and root of grapevine genotypes with contrasting drought tolerance. Acta Horticulturae, 2016, , 161-168.	0.1	5
18	Carbon budget of a temperate-climate vineyard â€“ â€¨a green future for viticulture?. Acta Horticulturae, 2016, , 455-460.	0.1	2

#	Article	IF	Citations
19	A survey of carbon sequestration potential of orchards and vineyards in Italy. European Journal of Horticultural Science, 2016, 81, 106-114.	0.3	44
20	Carbon budget of the vineyard â€“ A new feature of sustainability. BIO Web of Conferences, 2015, 5, 01024.	0.1	3
21	Time course of biochemical, physiological, and molecular responses to field-mimicked conditions of drought, salinity, and recovery in two maize lines. Frontiers in Plant Science, 2015, 6, 314.	1.7	24
22	Sulfadiazine uptake and effects in common hazel (Corylus avellana L.). Environmental Science and Pollution Research, 2015, 22, 13362-13371.	2.7	15
23	Comprehensive transcript profiling of two grapevine rootstock genotypes contrasting in drought susceptibility links the phenylpropanoid pathway to enhanced tolerance. Journal of Experimental Botany, 2015, 66, 5739-5752.	2.4	133
24	The Role of Vineyards in the Carbon Balance Throughout Italy. Environmental Science and Engineering, 2015, , 159-171.	0.1	5
25	Biochemical and physiological responses of two grapevine rootstock genotypes to drought and salt treatments. Australian Journal of Grape and Wine Research, 2014, 20, 310-323.	1.0	76
26	A comparison of different modelling solutions for studying grapevine phenology under present and future climate scenarios. Agricultural and Forest Meteorology, 2014, 195-196, 192-205.	1.9	42
27	Daily MODIS Land Surface Temperature Data for the Analysis of the Heat Requirements of Grapevine Varieties. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 2128-2135.	2.7	17
28	Assessment of vineyard water status variability by thermal and multispectral imagery using an unmanned aerial vehicle (UAV). Irrigation Science, 2012, 30, 511-522.	1.3	335
29	Accumulation and Effects of Sulfadimethoxine inSalix FragilisL. Plants: A Preliminary Study to Phytoremediation Purposes. International Journal of Phytoremediation, 2012, 14, 388-402.	1.7	29
30	Use of multi-annual MODIS Land Surface Temperature data for the characterization of the heat requirements for grapevine varieties. , 2011, , .		6
31	Grape quality assessment in vineyards affected by iron deficiency chlorosis using narrow-band physiological remote sensing indices. Remote Sensing of Environment, 2010, 114, 1968-1986.	4.6	98