

Franco Meggio

List of Publications by Year in descending order

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Version: 2024-02-01

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	Assessment of vineyard water status variability by thermal and multispectral imagery using an unmanned aerial vehicle (UAV). <i>Irrigation Science</i> , 2012, 30, 511-522.	1.3	335
2	Comprehensive transcript profiling of two grapevine rootstock genotypes contrasting in drought susceptibility links the phenylpropanoid pathway to enhanced tolerance. <i>Journal of Experimental Botany</i> , 2015, 66, 5739-5752.	2.4	133
3	Grape quality assessment in vineyards affected by iron deficiency chlorosis using narrow-band physiological remote sensing indices. <i>Remote Sensing of Environment</i> , 2010, 114, 1968-1986.	4.6	98
4	Extreme Weather Events in Agriculture: A Systematic Review. <i>Sustainability</i> , 2019, 11, 2547.	1.6	97
5	Biochemical and physiological responses of two grapevine rootstock genotypes to drought and salt treatments. <i>Australian Journal of Grape and Wine Research</i> , 2014, 20, 310-323.	1.0	76
6	Grapevine Rootstocks Differentially Affect the Rate of Ripening and Modulate Auxin-Related Genes in Cabernet Sauvignon Berries. <i>Frontiers in Plant Science</i> , 2016, 7, 69.	1.7	67
7	A survey of carbon sequestration potential of orchards and vineyards in Italy. <i>European Journal of Horticultural Science</i> , 2016, 81, 106-114.	0.3	44
8	A comparison of different modelling solutions for studying grapevine phenology under present and future climate scenarios. <i>Agricultural and Forest Meteorology</i> , 2014, 195-196, 192-205.	1.9	42
9	Flooding Responses on Grapevine: A Physiological, Transcriptional, and Metabolic Perspective. <i>Frontiers in Plant Science</i> , 2019, 10, 339.	1.7	39
10	Accumulation and Effects of Sulfadimethoxine in <i>Salix Fragilis</i> L. Plants: A Preliminary Study to Phytoremediation Purposes. <i>International Journal of Phytoremediation</i> , 2012, 14, 388-402.	1.7	29
11	Assessing the Feasibility of Using Sentinel-2 Imagery to Quantify the Impact of Heatwaves on Irrigated Vineyards. <i>Remote Sensing</i> , 2019, 11, 2869.	1.8	29
12	Time course of biochemical, physiological, and molecular responses to field-mimicked conditions of drought, salinity, and recovery in two maize lines. <i>Frontiers in Plant Science</i> , 2015, 6, 314.	1.7	24
13	Infrared Thermography to Estimate Vine Water Status: Optimizing Canopy Measurements and Thermal Indices for the Varieties Merlot and Moscato in Northern Italy. <i>Agronomy</i> , 2019, 9, 821.	1.3	19
14	Medium-Resolution Multispectral Data from Sentinel-2 to Assess the Damage and the Recovery Time of Late Frost on Vineyards. <i>Remote Sensing</i> , 2020, 12, 1896.	1.8	19
15	Evaluating the Spectral and Physiological Responses of Grapevines (<i>Vitis vinifera</i> L.) to Heat and Water Stresses under Different Vineyard Cooling and Irrigation Strategies. <i>Agronomy</i> , 2021, 11, 1940.	1.3	19
16	Daily MODIS Land Surface Temperature Data for the Analysis of the Heat Requirements of Grapevine Varieties. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 2128-2135.	2.7	17
17	Sulfadiazine uptake and effects in common hazel (<i>Corylus avellana</i> L.). <i>Environmental Science and Pollution Research</i> , 2015, 22, 13362-13371.	2.7	15
18	Assessing Across-Scale Optical Diversity and Productivity Relationships in Grasslands of the Italian Alps. <i>Remote Sensing</i> , 2019, 11, 614.	1.8	11

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19	Grapevine Rootstocks Differently Affect Physiological and Molecular Responses of the Scion under Water Deficit Condition. <i>Agronomy</i> , 2021, 11, 289.	1.3	11
20	Systematic Investigation of the Effects of a Novel Protein Hydrolysate on the Growth, Physiological Parameters, Fruit Development and Yield of Grapevine (<i>Vitis Vinifera</i> L., cv Sauvignon Blanc) under Water Stress Conditions. <i>Agronomy</i> , 2020, 10, 1785.	1.3	10
21	Analysis and impact of recent climate trends on grape composition in north-east Italy. <i>BIO Web of Conferences</i> , 2019, 13, 04014.	0.1	8
22	Application of the Kinect sensor for three dimensional characterization of vine canopy. <i>Advances in Animal Biosciences</i> , 2017, 8, 525-529.	1.0	7
23	Use of multi-annual MODIS Land Surface Temperature data for the characterization of the heat requirements for grapevine varieties. , 2011, , .		6
24	Transcriptome pathways in leaf and root of grapevine genotypes with contrasting drought tolerance. <i>Acta Horticulturae</i> , 2016, , 161-168.	0.1	5
25	The Role of Vineyards in the Carbon Balance Throughout Italy. <i>Environmental Science and Engineering</i> , 2015, , 159-171.	0.1	5
26	Carbon budget of the vineyard â€“ A new feature of sustainability. <i>BIO Web of Conferences</i> , 2015, 5, 01024.	0.1	3
27	The interplay between grape ripening and weather anomalies in Northern Italy â€“ A modelling exercise. <i>Oeno One</i> , 2022, 56, 353-373.	0.7	3
28	Carbon budget of a temperate-climate vineyard â€“ â€“a green future for viticulture?. <i>Acta Horticulturae</i> , 2016, , 455-460.	0.1	2
29	Carbon sequestration potential of Italian orchards and vineyards. <i>Acta Horticulturae</i> , 2017, , 145-150.	0.1	2
30	Partitioning of seasonal aboveâ€“ground biomass of four vineyard-grown varieties: Development of a modelling framework to infer temperature-rate response functions. <i>Scientia Horticulturae</i> , 2019, 258, 108796.	1.7	2
31	Effect of water and salt stress on energy partitioning of two grapevine rootstock genotypes: a quantitative assessment. <i>Acta Horticulturae</i> , 2016, , 121-128.	0.1	0