

Giovanni Rallo

List of Publications by Year in descending order

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papers

990
citations

393982

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1186
citing authors

#	ARTICLE	IF	CITATIONS
1	Ground vegetation covers increase grape yield and must quality in Mediterranean organic vineyards despite variable effects on vine water deficit and nitrogen status. <i>European Journal of Agronomy</i> , 2022, 136, 126483.	1.9	6
2	Discussion of Modeling Approaches for Determining Appropriate Depth of Subsurface Drip Irrigation Tubing in Alfalfa by Rocio Guadalupe Reyes-Esteves and Donald C. Slack. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021, 147, 07020014.	0.6	0
3	Application of Remote Sensing Techniques to Discriminate the Effect of Different Soil Management Treatments over Rainfed Vineyards in Chianti Terroir. <i>Remote Sensing</i> , 2021, 13, 716.	1.8	9
4	Irrigation water saving strategies in Citrus orchards: Analysis of the combined effects of timing and severity of soil water deficit. <i>Agricultural Water Management</i> , 2021, 248, 106773.	2.4	11
5	Updated single and dual crop coefficients for tree and vine fruit crops. <i>Agricultural Water Management</i> , 2021, 250, 106645.	2.4	51
6	Transpiration and Water Use of an Irrigated Traditional Olive Grove with Sap-Flow Observations and the FAO56 Dual Crop Coefficient Approach. <i>Water (Switzerland)</i> , 2021, 13, 2466.	1.2	12
7	Development and Validation of a New Calibration Model for Diviner 2000® Probe Based on Soil Physical Attributes. <i>Water (Switzerland)</i> , 2020, 12, 3414.	1.2	5
8	Red versus green leaves: transcriptomic comparison of foliar senescence between two <i>Prunus cerasifera</i> genotypes. <i>Scientific Reports</i> , 2020, 10, 1959.	1.6	8
9	High-resolution imagery acquired from an unmanned platform to estimate biophysical and geometrical parameters of olive trees under different irrigation regimes. <i>PLoS ONE</i> , 2019, 14, e0210804.	1.1	60
10	Effects of Saline and Deficit Irrigation on Soil-Plant Water Status and Potato Crop Yield under the Semiarid Climate of Tunisia. <i>Sustainability</i> , 2019, 11, 2706.	1.6	5
11	Assessing Hydrus-2D Model to Investigate the Effects of Different On-Farm Irrigation Strategies on Potato Crop under Subsurface Drip Irrigation. <i>Water (Switzerland)</i> , 2019, 11, 540.	1.2	14
12	Predicting soil and plant water status dynamic in olive orchards under different irrigation systems with Hydrus-2D: Model performance and scenario analysis. <i>Agricultural Water Management</i> , 2018, 203, 225-235.	2.4	42
13	On the Use of the Eddy Covariance Latent Heat Flux and Sap Flow Transpiration for the Validation of a Surface Energy Balance Model. <i>Remote Sensing</i> , 2018, 10, 195.	1.8	15
14	Multiple Consequences Induced by Epidermally-Located Anthocyanins in Young, Mature and Senescent Leaves of <i>Prunus</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 917.	1.7	44
15	Application of EMI and FDR Sensors to Assess the Fraction of Transpirable Soil Water over an Olive Grove. <i>Water (Switzerland)</i> , 2018, 10, 168.	1.2	17
16	Using field measurements and FAO-56 model to assess the eco-physiological response of citrus orchards under regulated deficit irrigation. <i>Agricultural Water Management</i> , 2017, 180, 136-147.	2.4	42
17	Assessing the Performance of Thermal Inertia and Hydrus Models to Estimate Surface Soil Water Content. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 975.	1.3	12
18	Using scintillometry to assess reference evapotranspiration methods and their impact on the water balance of olive groves. <i>Agricultural Water Management</i> , 2016, 170, 49-60.	2.4	22

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19	Assessing Field and Laboratory Calibration Protocols for the Diviner 2000 Probe in a Range of Soils with Different Textures. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	32
20	Analysis of Geometrical Relationships and Friction Losses in Small-Diameter Lay-Flat Polyethylene Pipes. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	22
21	Optimizing subsurface dripline installation depth with Hydrus 2D/3D to improve irrigation water use efficiency in the central Tunisia. <i>International Journal of Metrology and Quality Engineering</i> , 2015, 6, 402.	0.4	3
22	Discussion of "Laboratory and Field Calibration of the Diviner 2000 Probe in Two Types of Soil" by J. Haberland, R. Gálvez, C. Kremer, and C. Carter. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015, 141, 07014063.	0.6	4
23	Assessing Hydrus 2D to Simulate Soil Water Content (SWC) and Salt Accumulation Under an SDI System: Application to a Potato Crop in a Semi-Arid Area of Central Tunisia. <i>Irrigation and Drainage</i> , 2015, 64, 263-274.	0.8	37
24	Analytical Approach Determining the Optimal Length of Paired Drip Laterals in Uniformly Sloped Fields. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015, 141, 04014042.	0.6	33
25	Improvement of FAO-56 Model to Estimate Transpiration Fluxes of Drought Tolerant Crops under Soil Water Deficit: Application for Olive Groves. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2014, 140, .	0.6	31
26	Laboratory and Field Calibration of the Diviner 2000 Probe in Two Types of Soil. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2014, 140, .	0.6	7
27	Detecting crop water status in mature olive groves using vegetation spectral measurements. <i>Biosystems Engineering</i> , 2014, 128, 52-68.	1.9	52
28	Mass and Surface Energy Balance Approaches for Monitoring Water Stress in Vineyards. <i>Procedia Environmental Sciences</i> , 2013, 19, 231-238.	1.3	6
29	Evapotranspiration from an Olive Orchard using Remote Sensing-Based Dual Crop Coefficient Approach. <i>Water Resources Management</i> , 2013, 27, 4877-4895.	1.9	39
30	Modelling eco-physiological response of table olive trees (<i>Olea europaea</i> L.) to soil water deficit conditions. <i>Agricultural Water Management</i> , 2013, 120, 79-88.	2.4	37
31	Combined use of eddy covariance and sap flow techniques for partition of ET fluxes and water stress assessment in an irrigated olive orchard. <i>Agricultural Water Management</i> , 2013, 120, 89-97.	2.4	97
32	Assessing daily actual evapotranspiration through energy balance: an experiment to evaluate the self-preservation hypothesis with acquisition time. <i>Proceedings of SPIE</i> , 2013, , .	0.8	4
33	Discussion of "Soil Water Retention Characteristics of Vertisols and Pedotransfer Functions Based on Nearest Neighbor and Neural Networks Approaches to Estimate AWC" by N. G. Patil, D. K. Pal, C. Mandal, and D. K. Mandal. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2013, 139, 512-515.	0.6	3
34	Comparison of SWAP and FAO Agro-Hydrological Models to Schedule Irrigation of Wine Grapes. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2012, 138, 581-591.	0.6	44
35	EDDY COVARIANCE AND SAP FLOW MEASUREMENT OF ENERGY AND MASS EXCHANGES OF WOODY CROPS IN A MEDITERRANEAN ENVIRONMENT. <i>Acta Horticulturae</i> , 2012, , 121-127.	0.1	25
36	Actual evapotranspiration assessment by means of a coupled energy/hydrologic balance model: Validation over an olive grove by means of scintillometry and measurements of soil water contents. <i>Journal of Hydrology</i> , 2010, 392, 70-82.	2.3	45

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37	Estimation of actual evapotranspiration of Mediterranean perennial crops by means of remote-sensing based surface energy balance models. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 1061-1074.	1.9	88