

# Simona Consoli

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,492  
citations

257357

24  
h-index

330025

37  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1699  
citing authors

#	ARTICLE	IF	CITATIONS
1	Treated municipal wastewater reuse in vegetable production. <i>Agricultural Water Management</i> , 2012, 104, 163-170.	2.4	151
2	Effects of reclaimed wastewater irrigation on soil and tomato fruits: A case study in Sicily (Italy). <i>Agricultural Water Management</i> , 2007, 93, 65-72.	2.4	116
3	Modelling pollutant removal in a pilot-scale two-stage subsurface flow constructed wetlands. <i>Ecological Engineering</i> , 2009, 35, 281-289.	1.6	82
4	Monitoring and modelling of soil-plant interactions: the joint use of ERT, sap flow and eddy covariance data to characterize the volume of an orange tree root zone. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2213-2225.	1.9	76
5	A time domain triangle method approach to estimate actual evapotranspiration: Application in a Mediterranean region using MODIS and MSG-SEVIRI products. <i>Remote Sensing of Environment</i> , 2016, 174, 10-23.	4.6	63
6	Sustainable management of limited water resources in a young orange orchard. <i>Agricultural Water Management</i> , 2014, 132, 60-68.	2.4	56
7	Wastewater tertiary treatment options to match reuse standards in agriculture. <i>Agricultural Water Management</i> , 2018, 210, 232-242.	2.4	51
8	Long-Term Climatic Variability in Calabria and Effects on Drought and Agrometeorological Parameters. <i>Water Resources Management</i> , 2013, 27, 601-617.	1.9	48
9	Mapping crop evapotranspiration by integrating vegetation indices into a soil water balance model. <i>Agricultural Water Management</i> , 2014, 143, 71-81.	2.4	43
10	Remote sensing to estimate ET-fluxes and the performance of an irrigation district in southern Italy. <i>Agricultural Water Management</i> , 2006, 81, 295-314.	2.4	37
11	Analysis of treated wastewater reuse potential for irrigation in Sicily. <i>Water Science and Technology</i> , 2012, 65, 2024-2033.	1.2	36
12	A One-Layer Satellite Surface Energy Balance for Estimating Evapotranspiration Rates and Crop Water Stress Indexes. <i>Sensors</i> , 2009, 9, 1-21.	2.1	35
13	Corrected surface energy balance to measure and model the evapotranspiration of irrigated orange orchards in semi-arid Mediterranean conditions. <i>Irrigation Science</i> , 2013, 31, 1159-1171.	1.3	35
14	Determination of Evapotranspiration and Annual Biomass Productivity of a Cactus Pear [ <i>Opuntia ficus-indica</i> (Mill.) Orchard in a Semiarid Environment. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2013, 139, 680-690.	0.6	34
15	Long-term storage of reclaimed water: the case studies in Sicily (Italy). <i>Desalination</i> , 2008, 218, 62-73.	4.0	32
16	Comparisons of satellite-based models for estimating evapotranspiration fluxes. <i>Journal of Hydrology</i> , 2014, 513, 475-489.	2.3	32
17	Estimation of Evapotranspiration of Different-Sized Navel-Orange Tree Orchards Using Energy Balance. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2006, 132, 2-8.	0.6	31
18	Sensible heat flux estimates using two different methods based on surface renewal analysis. A study case over an orange orchard in Sicily. <i>Agricultural and Forest Meteorology</i> , 2012, 152, 58-64.	1.9	31

#	ARTICLE	IF	CITATIONS
19	Artificial Neural Networks for Predicting the Water Retention Curve of Sicilian Agricultural Soils. <i>Water (Switzerland)</i> , 2018, 10, 1431.	1.2	31
20	Assessing the extent of citrus trees root apparatus under deficit irrigation via multi-method geo-electrical imaging. <i>Scientific Reports</i> , 2019, 9, 9913.	1.6	29
21	Combining Electrical Resistivity Tomography and Satellite Images for Improving Evapotranspiration Estimates of Citrus Orchards. <i>Remote Sensing</i> , 2019, 11, 373.	1.8	29
22	Operating Rules of an Irrigation Purposes Reservoir Using Multi-Objective Optimization. <i>Water Resources Management</i> , 2008, 22, 551-564.	1.9	28
23	Treatment of Winery Wastewater with a Multistage Constructed Wetland System for Irrigation Reuse. <i>Water (Switzerland)</i> , 2020, 12, 1260.	1.2	27
24	Discovering Reservoir Operating Rules by a Rough Set Approach. <i>Water Resources Management</i> , 2006, 20, 19-36.	1.9	26
25	Risk assessment of treated municipal wastewater reuse in Sicily. <i>Water Science and Technology</i> , 2013, 67, 89-98.	1.2	25
26	Measurement of Light Interception by Navel Orange Orchard Canopies: Case Study of Lindsay, California. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2006, 132, 9-20.	0.6	23
27	Integrated Agro-Economic Approach to Deficit Irrigation on Lettuce Crops in Sicily (Italy). <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2008, 134, 437-445.	0.6	23
28	Testing the water balance model criteria using TDR measurements, micrometeorological data and satellite-based information. <i>Agricultural Water Management</i> , 2016, 170, 68-80.	2.4	23
29	Adaptation of citrus orchards to deficit irrigation strategies. <i>Agricultural Water Management</i> , 2021, 247, 106734.	2.4	23
30	Evapotranspiration from Horizontal Subsurface Flow Constructed Wetlands Planted with Different Perennial Plant Species. <i>Water (Switzerland)</i> , 2019, 11, 2159.	1.2	22
31	Assessing the use of ERA5-Land reanalysis and spatial interpolation methods for retrieving precipitation estimates at basin scale. <i>Atmospheric Research</i> , 2022, 271, 106131.	1.8	21
32	How to Overcome Barriers for Wastewater Agricultural Reuse in Sicily (Italy)?. <i>Water (Switzerland)</i> , 2019, 11, 335.	1.2	20
33	Comparison of Orange Orchard Evapotranspiration by Eddy Covariance, Sap Flow, and FAO-56 Methods under Different Irrigation Strategies. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2020, 146, .	0.6	19
34	Evaluation of Sediment Deposition in a Mediterranean Reservoir: Comparison of Long Term Bathymetric Measurements and SWAT Estimations. <i>Land Degradation and Development</i> , 2017, 28, 566-578.	1.8	16
35	Estimating Water Requirements of an Irrigated Mediterranean Vineyard Using a Satellite-Based Approach. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2012, 138, 896-904.	0.6	15
36	Electrical resistivity imaging for monitoring soil water motion patterns under different drip irrigation scenarios. <i>Irrigation Science</i> , 2021, 39, 145-157.	1.3	15

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37	Assessing environmental impacts of constructed wetland effluents for vegetable crop irrigation. International Journal of Phytoremediation, 2016, 18, 626-633.	1.7	14
38	WATER MANAGEMENT STRATEGIES UNDER DEFICIT IRRIGATION. Journal of Agricultural Engineering, 2008, 39, 27.	0.7	11
39	Response of Orange Trees to Deficit Irrigation Strategies: Effects on Plant Nutrition, Yield, and Fruit Quality. Journal of Irrigation and Drainage Engineering - ASCE, 2015, 141, .	0.6	11
40	Modelling nonlinear dynamics of Crassulacean acid metabolism productivity and water use for global predictions. Plant, Cell and Environment, 2021, 44, 34-48.	2.8	11
41	Physiological and Biochemical Responses of Orange Trees to Different Deficit Irrigation Regimes. Plants, 2019, 8, 423.	1.6	10
42	Modelling Escherichia coli concentration in a wastewater reservoir using an operational parameter MRT%FE and first order kinetics. Journal of Environmental Management, 2009, 90, 604-614.	3.8	7
43	Long-term monitoring of deficit irrigation regimes on citrus orchards in Sicily. Journal of Agricultural Engineering, 2021, 52, .	0.7	6
44	Monitoring crop coefficient of orange orchards using energy balance and the remote sensed NDVI. , 2006, , .		4
45	Suitability of the MODIS-NDVI Time-Series for a Posteriori Evaluation of the Citrus Tristeza Virus Epidemic. Remote Sensing, 2020, 12, 1965.	1.8	4
46	Remote sensing of crop water requirements in orange orchards using high-spatial-resolution sensors. , 2004, , .		3
47	Recent Micrometeorological Studies of Sensible Heat Flux in the Plant-atmosphere System. Procedia Environmental Sciences, 2013, 19, 256-261.	1.3	2
48	DEFICIT IRRIGATION STRATEGIES: PRELIMINARY ASSESSMENT ON A SICILIAN YOUNG ORANGE ORCHARD. Acta Horticulturae, 2015, , 1713-1718.	0.1	2
49	SURFACE ENERGY BALANCE OVER ORANGE ORCHARD USING SURFACE RENEWAL ANALYSIS. Journal of Agricultural Engineering, 2009, 40, 39.	0.7	1
50	Technology-enhanced Learning for Promoting Technical and Social Competences in Hydrological Science. Technology, Knowledge and Learning, 2021, 26, 985-997.	3.1	1
51	REMOTE SENSING AND SURFACE ENERGY FLUX MODELS TO DERIVE EVAPOTRANSPIRATION AND CROP COEFFICIENT. Journal of Agricultural Engineering, 2008, 39, 29.	0.7	0
52	Time-domain based feature space at FLUXNET sites for vegetation patterns identification. , 2019, , .		0