

# Simona Consoli

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50  
papers

1,099  
citations

20  
h-index

32  
g-index

53  
ext. papers

1,290  
ext. citations

3.9  
avg, IF

4.57  
L-index

#	Paper	IF	Citations
50	Assessing the use of ERA5-Land reanalysis and spatial interpolation methods for retrieving precipitation estimates at basin scale. <i>Atmospheric Research</i> , <b>2022</b> , 271, 106131	5.4	0
49	Adaptation of citrus orchards to deficit irrigation strategies. <i>Agricultural Water Management</i> , <b>2021</b> , 247, 106734	5.9	8
48	Modelling nonlinear dynamics of Crassulacean acid metabolism productivity and water use for global predictions. <i>Plant, Cell and Environment</i> , <b>2021</b> , 44, 34-48	8.4	0
47	Electrical resistivity imaging for monitoring soil water motion patterns under different drip irrigation scenarios. <i>Irrigation Science</i> , <b>2021</b> , 39, 145-157	3.1	3
46	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> , <b>2020</b> , 146, 05020002	1.1	10
45	Suitability of the MODIS-NDVI Time-Series for a Posteriori Evaluation of the Citrus Tristeza Virus Epidemic. <i>Remote Sensing</i> , <b>2020</b> , 12, 1965	5	2
44	Treatment of Winery Wastewater with a Multistage Constructed Wetland System for Irrigation Reuse. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1260	3	12
43	On the Performance of a Novel Hybrid Constructed Wetland for Stormwater Treatment and Irrigation Reuse in Mediterranean Climate. <i>Lecture Notes in Civil Engineering</i> , <b>2020</b> , 151-159	0.3	1
42	Combining Electrical Resistivity Tomography and Satellite Images for Improving Evapotranspiration Estimates of Citrus Orchards. <i>Remote Sensing</i> , <b>2019</b> , 11, 373	5	17
41	How to Overcome Barriers for Wastewater Agricultural Reuse in Sicily (Italy)?. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 335	3	15
40	Assessing the extent of citrus trees root apparatus under deficit irrigation via multi-method geo-electrical imaging. <i>Scientific Reports</i> , <b>2019</b> , 9, 9913	4.9	19
39	Physiological and Biochemical Responses of Orange Trees to Different Deficit Irrigation Regimes. <i>Plants</i> , <b>2019</b> , 8,	4.5	7
38	Evapotranspiration from Horizontal Subsurface Flow Constructed Wetlands Planted with Different Perennial Plant Species. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 2159	3	12
37	Wastewater tertiary treatment options to match reuse standards in agriculture. <i>Agricultural Water Management</i> , <b>2018</b> , 210, 232-242	5.9	41
36	Artificial Neural Networks for Predicting the Water Retention Curve of Sicilian Agricultural Soils. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 1431	3	19
35	Evaluation of Sediment Deposition in a Mediterranean Reservoir: Comparison of Long Term Bathymetric Measurements and SWAT Estimations. <i>Land Degradation and Development</i> , <b>2017</b> , 28, 566-578	4.4	12
34	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> , <b>2016</b> , 174, 10-23	13.2	45

33	Testing the water balance model criteria using TDR measurements, micrometeorological data and satellite-based information. <i>Agricultural Water Management</i> , <b>2016</b> , 170, 68-80	5.9	15
32	Assessing environmental impacts of constructed wetland effluents for vegetable crop irrigation. <i>International Journal of Phytoremediation</i> , <b>2016</b> , 18, 626-33	3.9	13
31	Response of Orange Trees to Deficit Irrigation Strategies: Effects on Plant Nutrition, Yield, and Fruit Quality. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2015</b> , 141, 04015014	1.1	10
30	DEFICIT IRRIGATION STRATEGIES: PRELIMINARY ASSESSMENT ON A SICILIAN YOUNG ORANGE ORCHARD. <i>Acta Horticulturae</i> , <b>2015</b> , 1713-1718	0.3	1
29	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> , <b>2015</b> , 19, 2213-2225	5.5	58
28	Mapping crop evapotranspiration by integrating vegetation indices into a soil water balance model. <i>Agricultural Water Management</i> , <b>2014</b> , 143, 71-81	5.9	32
27	Sustainable management of limited water resources in a young orange orchard. <i>Agricultural Water Management</i> , <b>2014</b> , 132, 60-68	5.9	42
26	Comparisons of satellite-based models for estimating evapotranspiration fluxes. <i>Journal of Hydrology</i> , <b>2014</b> , 513, 475-489	6	21
25	Corrected surface energy balance to measure and model the evapotranspiration of irrigated orange orchards in semi-arid Mediterranean conditions. <i>Irrigation Science</i> , <b>2013</b> , 31, 1159-1171	3.1	26
24	Long-Term Climatic Variability in Calabria and Effects on Drought and Agrometeorological Parameters. <i>Water Resources Management</i> , <b>2013</b> , 27, 601-617	3.7	44
23	Recent Micrometeorological Studies of Sensible Heat Flux in the Plant-atmosphere System. <i>Procedia Environmental Sciences</i> , <b>2013</b> , 19, 256-261		2
22	Determination of Evapotranspiration and Annual Biomass Productivity of a Cactus Pear [ <i>Opuntia ficus-indica</i> L. (Mill.)] Orchard in a Semiarid Environment. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2013</b> , 139, 680-690	1.1	25
21	Risk assessment of treated municipal wastewater reuse in Sicily. <i>Water Science and Technology</i> , <b>2013</b> , 67, 89-98	2.2	24
20	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> , <b>2012</b> , 152, 58-64	5.8	29
19	Treated municipal wastewater reuse in vegetable production. <i>Agricultural Water Management</i> , <b>2012</b> , 104, 163-170	5.9	113
18	Estimating Water Requirements of an Irrigated Mediterranean Vineyard Using a Satellite-Based Approach. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2012</b> , 138, 896-904	1.1	14
17	Analysis of treated wastewater reuse potential for irrigation in Sicily. <i>Water Science and Technology</i> , <b>2012</b> , 65, 2024-33	2.2	25
16	A one-layer satellite surface energy balance for estimating evapotranspiration rates and crop water stress indexes. <i>Sensors</i> , <b>2009</b> , 9, 1-21	3.8	27

15	Modelling Escherichia coli concentration in a wastewater reservoir using an operational parameter MRT%FE and first order kinetics. <i>Journal of Environmental Management</i> , <b>2009</b> , 90, 604-14	7.9	5
14	Modelling pollutant removal in a pilot-scale two-stage subsurface flow constructed wetlands. <i>Ecological Engineering</i> , <b>2009</b> , 35, 281-289	3.9	70
13	SURFACE ENERGY BALANCE OVER ORANGE ORCHARD USING SURFACE RENEWAL ANALYSIS. <i>Journal of Agricultural Engineering</i> , <b>2009</b> , 40, 39	1.3	1
12	Integrated Agro-Economic Approach to Deficit Irrigation on Lettuce Crops in Sicily (Italy). <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2008</b> , 134, 437-445	1.1	17
11	WATER MANAGEMENT STRATEGIES UNDER DEFICIT IRRIGATION. <i>Journal of Agricultural Engineering</i> , <b>2008</b> , 39, 27	1.3	10
10	Operating Rules of an Irrigation Purposes Reservoir Using Multi-Objective Optimization. <i>Water Resources Management</i> , <b>2008</b> , 22, 551-564	3.7	26
9	Long-term storage of reclaimed water: the case studies in Sicily (Italy). <i>Desalination</i> , <b>2008</b> , 218, 62-73	10.3	28
8	Effects of reclaimed wastewater irrigation on soil and tomato fruits: A case study in Sicily (Italy). <i>Agricultural Water Management</i> , <b>2007</b> , 93, 65-72	5.9	99
7	Monitoring crop coefficient of orange orchards using energy balance and the remote sensed NDVI <b>2006</b> ,		2
6	Measurement of Light Interception by Navel Orange Orchard Canopies: Case Study of Lindsay, California. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2006</b> , 132, 9-20	1.1	18
5	Estimation of Evapotranspiration of Different-Sized Navel-Orange Tree Orchards Using Energy Balance. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2006</b> , 132, 2-8	1.1	25
4	Remote sensing to estimate ET-fluxes and the performance of an irrigation district in southern Italy. <i>Agricultural Water Management</i> , <b>2006</b> , 81, 295-314	5.9	31
3	Discovering Reservoir Operating Rules by a Rough Set Approach. <i>Water Resources Management</i> , <b>2006</b> , 20, 19-36	3.7	20
2	Remote sensing of crop water requirements in orange orchards using high-spatial-resolution sensors <b>2004</b> ,		3
1	Technology-enhanced Learning for Promoting Technical and Social Competences in Hydrological Science. <i>Technology, Knowledge and Learning</i> ,1	2.9	