

# Francesco Viola

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,627  
citations

279701

23  
h-index

302012

39  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2256  
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of green roofs in urban Water-Energy-Food-Ecosystem nexus: A review. <i>Science of the Total Environment</i> , 2021, 756, 143876.	3.9	62
2	A Nonparametric Procedure to Assess the Accuracy of the Normality Assumption for Annual Rainfall Totals, Based on the Marginal Statistics of Daily Rainfall: An Application to the NOAA/NCDC Rainfall Database. <i>Journal of Applied Meteorology and Climatology</i> , 2021, 60, 595-605.	0.6	0
3	Modelling the mutual interactions between hydrology, society and water supply systems. <i>Hydrological Sciences Journal</i> , 2021, 66, 1265-1274.	1.2	9
4	Comparison of blue-green solutions for urban flood mitigation: A multi-city large-scale analysis. <i>PLoS ONE</i> , 2021, 16, e0246429.	1.1	20
5	On the Role of Serial Correlation and Field Significance in Detecting Changes in Extreme Precipitation Frequency. <i>Water Resources Research</i> , 2021, 57, e2021WR030172.	1.7	10
6	Climate change projections for olive yields in the Mediterranean Basin. <i>International Journal of Climatology</i> , 2020, 40, 769-781.	1.5	55
7	Analysis of potential benefits on flood mitigation of a CAM green roof in Mediterranean urban areas. <i>Building and Environment</i> , 2020, 183, 107179.	3.0	24
8	EHSMu: a New Ecohydrological Streamflow Model to Estimate Runoff in Urban Areas. <i>Water Resources Management</i> , 2020, 34, 4865-4879.	1.9	8
9	Hydrologic Impacts of Surface Elevation and Spatial Resolution in Statistical Correction Approaches: Case Study of Flumendosa Basin, Italy. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, .	0.8	4
10	Impacts of Hydrological Changes on Annual Runoff Distribution in Seasonally Dry Basins. <i>Water Resources Management</i> , 2019, 33, 2319-2333.	1.9	7
11	Linking Climate, Basin Morphology and Vegetation Characteristics to Fu's Parameter in Data Poor Conditions. <i>Water (Switzerland)</i> , 2019, 11, 2333.	1.2	2
12	Budyko's Based Method for Annual Runoff Characterization across Different Climatic Areas: an Application to United States. <i>Water Resources Management</i> , 2018, 32, 3189-3202.	1.9	25
13	Evaluation of Precipitation From EURO-CORDEX Regional Climate Simulations in a Small-scale Mediterranean Site. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1604-1625.	1.2	28
14	Retention performances of green roofs worldwide at different time scales. <i>Land Degradation and Development</i> , 2018, 29, 1940-1952.	1.8	24
15	Performances of GPM satellite precipitation over the two major Mediterranean islands. <i>Atmospheric Research</i> , 2018, 213, 309-322.	1.8	34
16	Annual runoff assessment in arid and semiarid Mediterranean watersheds under the Budyko's framework. <i>Hydrological Processes</i> , 2017, 31, 1876-1888.	1.1	20
17	Salinity and periodic inundation controls on the soil-plant-atmosphere continuum of gray mangroves. <i>Hydrological Processes</i> , 2017, 31, 1271-1282.	1.1	14
18	Analytical estimation of annual runoff distribution in ungauged seasonally dry basins based on a first order Taylor expansion of the Fu's equation. <i>Advances in Water Resources</i> , 2017, 109, 320-332.	1.7	7

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19	Retention performance of green roofs in representative climates worldwide. <i>Journal of Hydrology</i> , 2017, 553, 763-772.	2.3	57
20	An automatic tool for reconstructing monthly time-series of hydro-climatic variables at ungauged basins. <i>Environmental Modelling and Software</i> , 2017, 95, 381-400.	1.9	14
21	Generation of Natural Runoff Monthly Series at Ungauged Sites Using a Regional Regressive Model. <i>Water (Switzerland)</i> , 2016, 8, 209.	1.2	19
22	The SESAMO early warning system for rainfall-triggered landslides. <i>Journal of Hydroinformatics</i> , 2016, 18, 256-276.	1.1	22
23	Adaptation of water resources systems to changing society and environment: a statement by the International Association of Hydrological Sciences. <i>Hydrological Sciences Journal</i> , 2016, 61, 2803-2817.	1.2	57
24	Co-evolution of hydrological components under climate change scenarios in the Mediterranean area. <i>Science of the Total Environment</i> , 2016, 544, 515-524.	3.9	26
25	Climate change effects on the hydrological regime of small non-perennial river basins. <i>Science of the Total Environment</i> , 2016, 542, 76-92.	3.9	82
26	Wind speed and temperature trends impacts on reference evapotranspiration in Southern Italy. <i>Theoretical and Applied Climatology</i> , 2016, 123, 43-62.	1.3	30
27	Comparative Analysis of Spatial Interpolation Methods in the Mediterranean Area: Application to Temperature in Sicily. <i>Water (Switzerland)</i> , 2015, 7, 1866-1888.	1.2	50
28	Effect of climate change on asphalt binder selection for road construction in Italy. <i>Transportation Research, Part D: Transport and Environment</i> , 2015, 37, 40-47.	3.2	29
29	Future Climate Forcings and Olive Yield in a Mediterranean Orchard. <i>Water (Switzerland)</i> , 2014, 6, 1562-1580.	1.2	13
30	Spatial distribution of temperature trends in Sicily. <i>International Journal of Climatology</i> , 2014, 34, 1-17.	1.5	45
31	The state of water resources in major Mediterranean islands. <i>Water Resources</i> , 2014, 41, 639-648.	0.3	12
32	Annual flow duration curves assessment in ephemeral small basins. <i>Journal of Hydrology</i> , 2014, 519, 258-270.	2.3	26
33	EHSM: a conceptual ecohydrological model for daily streamflow simulation. <i>Hydrological Processes</i> , 2014, 28, 3361-3372.	1.1	28
34	Ecohydrological modelling of flow duration curve in Mediterranean river basins. <i>Advances in Water Resources</i> , 2013, 52, 314-327.	1.7	29
35	Olive Yield and Future Climate Forcings. <i>Procedia Environmental Sciences</i> , 2013, 19, 132-138.	1.3	11
36	Rainfall statistics changes in Sicily. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 2449-2458.	1.9	96

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37	Olive yield as a function of soil moisture dynamics. <i>Ecohydrology</i> , 2012, 5, 99-107.	1.1	20
38	Comparative analysis of different techniques for spatial interpolation of rainfall data to create a serially complete monthly time series of precipitation for Sicily, Italy. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2011, 13, 396-408.	1.4	168
39	Regional flow duration curves for ungauged sites in Sicily. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 323-331.	1.9	37
40	Climate changes' effects on vegetation water stress in Mediterranean areas. <i>Ecohydrology</i> , 2010, 3, 166-176.	1.1	20
41	Annual runoff regional frequency analysis in Sicily. <i>Physics and Chemistry of the Earth</i> , 2009, 34, 679-687.	1.2	18
42	Daily streamflow prediction with uncertainty in ephemeral catchments using the GLUE methodology. <i>Physics and Chemistry of the Earth</i> , 2009, 34, 701-706.	1.2	28
43	Transient soil moisture dynamics and climate change in Mediterranean ecosystems. <i>Water Resources Research</i> , 2008, 44, .	1.7	65
44	Ecohydrology in Mediterranean areas: a numerical model to describe growing seasons out of phase with precipitations. <i>Hydrology and Earth System Sciences</i> , 2008, 12, 303-316.	1.9	33
45	Spatial distribution of rainfall trends in Sicily (1921â€“2000). <i>Physics and Chemistry of the Earth</i> , 2006, 31, 1201-1211.	1.2	235
46	Parametric uncertainty or hydrological changes?. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 364, 134-139.	1.0	0