

Francesco Granata

List of Publications by Citations

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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

1,030
citations

20
h-index

31
g-index

52
ext. papers

1,432
ext. citations

3.5
avg, IF

5.61
L-index

#	Paper	IF	Citations
50	Evapotranspiration evaluation models based on machine learning algorithms: A comparative study. <i>Agricultural Water Management</i> , 2019 , 217, 303-315	5.9	87
49	Support Vector Regression for Rainfall-Runoff Modeling in Urban Drainage: A Comparison with the EPA's Storm Water Management Model. <i>Water (Switzerland)</i> , 2016 , 8, 69	3	87
48	Machine Learning Algorithms for the Forecasting of Wastewater Quality Indicators. <i>Water (Switzerland)</i> , 2017 , 9, 105	3	85
47	Intravoxel incoherent motion (IVIM) in diffusion-weighted imaging (DWI) for Hepatocellular carcinoma: correlation with histologic grade. <i>Oncotarget</i> , 2016 , 7, 79357-79364	3.3	56
46	Hydraulics of Circular Drop Manholes. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2011 , 137, 102-111	1.1	50
45	Groundwater level prediction in Apulia region (Southern Italy) using NARX neural network. <i>Environmental Research</i> , 2020 , 190, 110062	7.9	43
44	Simultaneous nitrification, denitrification and phosphorus removal in a continuous-flow moving bed biofilm reactor alternating microaerobic and aerobic conditions. <i>Bioresource Technology</i> , 2020 , 310, 123453	11	40
43	Artificial intelligence based approaches to evaluate actual evapotranspiration in wetlands. <i>Science of the Total Environment</i> , 2020 , 703, 135653	10.2	31
42	Effect of carbon-to-nitrogen ratio on simultaneous nitrification denitrification and phosphorus removal in a microaerobic moving bed biofilm reactor. <i>Journal of Environmental Management</i> , 2019 , 250, 109518	7.9	29
41	Early radiological assessment of locally advanced pancreatic cancer treated with electrochemotherapy. <i>World Journal of Gastroenterology</i> , 2017 , 23, 4767-4778	5.6	29
40	Machine learning methods for wastewater hydraulics. <i>Flow Measurement and Instrumentation</i> , 2017 , 57, 1-9	2.2	28
39	Air-water flows in circular drop manholes. <i>Urban Water Journal</i> , 2015 , 12, 477-487	2.3	28
38	Diagnostic accuracy of magnetic resonance, computed tomography and contrast enhanced ultrasound in radiological multimodality assessment of peribiliary liver metastases. <i>PLoS ONE</i> , 2017 , 12, e0179951	3.7	28
37	Shortcut nitrification-denitrification and biological phosphorus removal in acetate- and ethanol-fed moving bed biofilm reactors under microaerobic/aerobic conditions. <i>Bioresource Technology</i> , 2021 , 330, 124958	11	28
36	Multidetector computer tomography in the pancreatic adenocarcinoma assessment: an update. <i>Infectious Agents and Cancer</i> , 2016 , 11, 57	3.5	26
35	Forecasting evapotranspiration in different climates using ensembles of recurrent neural networks. <i>Agricultural Water Management</i> , 2021 , 255, 107040	5.9	26
34	Probabilistic Models for the Peak Residential Water Demand. <i>Water (Switzerland)</i> , 2017 , 9, 417	3	25

33	Flow-improving elements in circular drop manholes. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2014 , 52, 347-355	1.9	22
32	Machine Learning Models for Spring Discharge Forecasting. <i>Geofluids</i> , 2018 , 2018, 1-13	1.5	22
31	A stochastic approach for the water demand of residential end users. <i>Urban Water Journal</i> , 2016 , 13, 569-582	2.3	20
30	Novel Approach for Side Weirs in Supercritical Flow. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2013 , 139, 672-679	1.1	19
29	Dropshaft cascades in urban drainage systems. <i>Water Science and Technology</i> , 2016 , 73, 2052-9	2.2	19
28	A stochastic model for daily residential water demand. <i>Water Science and Technology: Water Supply</i> , 2016 , 16, 1753-1767	1.4	17
27	Radiological assessment of anal cancer: an overview and update. <i>Infectious Agents and Cancer</i> , 2016 , 11, 52	3.5	16
26	Integrated Optimal Cost and Pressure Management for Water Distribution Systems. <i>Procedia Engineering</i> , 2014 , 70, 1659-1668		16
25	Optimal energy recovery by means of pumps as turbines (PATs) for improved WDS management. <i>Water Science and Technology: Water Supply</i> , 2018 , 18, 1365-1374	1.4	15
24	Tide Prediction in the Venice Lagoon Using Nonlinear Autoregressive Exogenous (NARX) Neural Network. <i>Water (Switzerland)</i> , 2021 , 13, 1173	3	15
23	Diagnostic performance of magnetic resonance imaging and 3D endoanal ultrasound in detection, staging and assessment post treatment, in anal cancer. <i>Oncotarget</i> , 2017 , 8, 22980-22990	3.3	12
22	Forecasting of Extreme Storm Tide Events Using NARX Neural Network-Based Models. <i>Atmosphere</i> , 2021 , 12, 512	2.7	12
21	Equivalent Discharge Coefficient of Side Weirs in Circular Channels: A Lazy Machine Learning Approach. <i>Water (Switzerland)</i> , 2019 , 11, 2406	3	12
20	Artificial Intelligence models for prediction of the tide level in Venice. <i>Stochastic Environmental Research and Risk Assessment</i> , 1	3.5	11
19	Prediction of spring flows using nonlinear autoregressive exogenous (NARX) neural network models. <i>Environmental Monitoring and Assessment</i> , 2021 , 193, 350	3.1	11
18	Deformation of Air Bubbles Near a Plunging Jet Using a Machine Learning Approach. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3879	2.6	9
17	Two-Phase PIV-LIF Measurements in a Submerged Bubbly Water Jet. <i>Journal of Hydraulic Engineering</i> , 2019 , 145, 04019030	1.8	9
16	Optimal Water Supply System Management by Leakage Reduction and Energy Recovery. <i>Procedia Engineering</i> , 2014 , 89, 573-580		9

15	A flow field characterization in a circular channel along a side weir. <i>Flow Measurement and Instrumentation</i> , 2016 , 52, 92-100	2.2	7
14	Groundwater level prediction using machine learning algorithms in a drought-prone area. <i>Neural Computing and Applications</i> ,1	4.8	7
13	A shadowgraphy approach for the 3D Lagrangian description of bubbly flows. <i>Measurement Science and Technology</i> , 2020 , 31, 105301	2	4
12	The Overall Pulse Model to Predict the End User Water Demand. <i>Procedia Engineering</i> , 2014 , 89, 942-949		3
11	The Overall Pulse Model for Water Demand of Aggregated Residential Users. <i>Procedia Engineering</i> , 2017 , 186, 483-490		3
10	Air Entrainment in Drop Shafts: A Novel Approach Based on Machine Learning Algorithms and Hybrid Models. <i>Fluids</i> , 2022 , 7, 20	1.6	3
9	Precipitation Forecasting in Northern Bangladesh Using a Hybrid Machine Learning Model. <i>Sustainability</i> , 2022 , 14, 2663	3.6	3
8	Discussion of Hydraulic Characteristics of a Drop Square Manhole with a Downstream Control Gate By Rita F. Carvalho and Jorge Leandro. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2013 , 139, 593-594	1.1	2
7	A nonlinear autoregressive exogenous (NARX) model to predict nitrate concentration in rivers.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
6	Generation of Water Demand Time Series through Spline Curves. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020 , 146, 04020080	2.8	1
5	Microplastics in Combined Sewer Overflows: An Experimental Study. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 1415	2.4	0
4	River flow rate prediction in the Des Moines watershed (Iowa, USA): a machine learning approach. <i>Stochastic Environmental Research and Risk Assessment</i> ,1	3.5	0
3	Hybrid Machine Learning Models for Soil Saturated Conductivity Prediction. <i>Water (Switzerland)</i> , 2022 , 14, 1729	3	0
2	Closure to Novel Approach for Side Weirs in Supercritical Flow By Francesco Granata, Giovanni de Marinis, Rudy Gargano, and Carla Tricarico. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2014 , 140, 07014026	1.1	
1	Assessment of river embankments security: A case study 2020 , 1260-1267		