Francesco Granata

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	1,030 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	A nonlinear autoregressive exogenous (NARX) model to predict nitrate concentration in rivers.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	1
49	Air Entrainment in Drop Shafts: A Novel Approach Based on Machine Learning Algorithms and Hybrid Models. *Fluids*, **2022**, 7, 20	1.6	3
48	Precipitation Forecasting in Northern Bangladesh Using a Hybrid Machine Learning Model. *Sustainability*, **2022**, 14, 2663	3.6	3
47	Hybrid Machine Learning Models for Soil Saturated Conductivity Prediction. *Water (Switzerland)*, **2022**, 14, 1729	3	0
46	Forecasting of Extreme Storm Tide Events Using NARX Neural Network-Based Models. *Atmosphere*, **2021**, 12, 512	2.7	12
45	Tide Prediction in the Venice Lagoon Using Nonlinear Autoregressive Exogenous (NARX) Neural Network. *Water (Switzerland)*, **2021**, 13, 1173	3	15
44	Prediction of spring flows using nonlinear autoregressive exogenous (NARX) neural network models. *Environmental Monitoring and Assessment*, **2021**, 193, 350	3.1	11
43	Shortcut nitrification-denitrification and biological phosphorus removal in acetate- and ethanol-fed moving bed biofilm reactors under microaerobic/aerobic conditions. *Bioresource Technology*, **2021**, 330, 124958	11	28
42	Forecasting evapotranspiration in different climates using ensembles of recurrent neural networks. *Agricultural Water Management*, **2021**, 255, 107040	5.9	26
41	Microplastics in Combined Sewer Overflows: An Experimental Study. *Journal of Marine Science and Engineering*, **2021**, 9, 1415	2.4	0
40	A shadowgraphy approach for the 3D Lagrangian description of bubbly flows. *Measurement Science and Technology*, **2020**, 31, 105301	2	4
39	Deformation of Air Bubbles Near a Plunging Jet Using a Machine Learning Approach. *Applied Sciences (Switzerland)*, **2020**, 10, 3879	2.6	9
38	Simultaneous nitrification, denitrification and phosphorus removal in a continuous-flow moving bed biofilm reactor alternating microaerobic and aerobic conditions. *Bioresource Technology*, **2020**, 310, 123453	11	40
37	Assessment of river embankments security: A case study **2020**, 1260-1267		
36	Artificial intelligence based approaches to evaluate actual evapotranspiration in wetlands. *Science of the Total Environment*, **2020**, 703, 135653	10.2	31
35	Groundwater level prediction in Apulia region (Southern Italy) using NARX neural network. *Environmental Research*, **2020**, 190, 110062	7.9	43
34	Generation of Water Demand Time Series through Spline Curves. *Journal of Water Resources Planning and Management - ASCE*, **2020**, 146, 04020080	2.8	1

33	Effect of carbon-to-nitrogen ratio on simultaneous nitrification denitrification and phosphorus removal in a microaerobic moving bed biofilm reactor. *Journal of Environmental Management*, **2019**, 250, 109518	7.9	29
32	Evapotranspiration evaluation models based on machine learning algorithms—A comparative study. *Agricultural Water Management*, **2019**, 217, 303-315	5.9	87
31	Two-Phase PIV-LIF Measurements in a Submerged Bubbly Water Jet. *Journal of Hydraulic Engineering*, **2019**, 145, 04019030	1.8	9
30	Equivalent Discharge Coefficient of Side Weirs in Circular Channels: A Lazy Machine Learning Approach. *Water (Switzerland)*, **2019**, 11, 2406	3	12
29	Optimal energy recovery by means of pumps as turbines (PATs) for improved WDS management. *Water Science and Technology: Water Supply*, **2018**, 18, 1365-1374	1.4	15
28	Machine Learning Models for Spring Discharge Forecasting. *Geofluids*, **2018**, 2018, 1-13	1.5	22
27	The Overall Pulse Model for Water Demand of Aggregated Residential Users. *Procedia Engineering*, **2017**, 186, 483-490		3
26	Machine learning methods for wastewater hydraulics. *Flow Measurement and Instrumentation*, **2017**, 57, 1-9	2.2	28
25	Machine Learning Algorithms for the Forecasting of Wastewater Quality Indicators. *Water (Switzerland)*, **2017**, 9, 105	3	85
24	Probabilistic Models for the Peak Residential Water Demand. *Water (Switzerland)*, **2017**, 9, 417	3	25
23	Diagnostic accuracy of magnetic resonance, computed tomography and contrast enhanced ultrasound in radiological multimodality assessment of peribiliary liver metastases. *PLoS ONE*, **2017**, 12, e0179951	3.7	28
22	Diagnostic performance of magnetic resonance imaging and 3D endoanal ultrasound in detection, staging and assessment post treatment, in anal cancer. *Oncotarget*, **2017**, 8, 22980-22990	3.3	12
21	Early radiological assessment of locally advanced pancreatic cancer treated with electrochemotherapy. *World Journal of Gastroenterology*, **2017**, 23, 4767-4778	5.6	29
20	A stochastic approach for the water demand of residential end users. *Urban Water Journal*, **2016**, 13, 569-582	2.3	20
19	Radiological assessment of anal cancer: an overview and update. *Infectious Agents and Cancer*, **2016**, 11, 52	3.5	16
18	Multidetector computer tomography in the pancreatic adenocarcinoma assessment: an update. *Infectious Agents and Cancer*, **2016**, 11, 57	3.5	26
17	Intravoxel incoherent motion (IVIM) in diffusion-weighted imaging (DWI) for Hepatocellular carcinoma: correlation with histologic grade. *Oncotarget*, **2016**, 7, 79357-79364	3.3	56
16	Support Vector Regression for Rainfall-Runoff Modeling in Urban Drainage: A Comparison with the EPA's Storm Water Management Model. *Water (Switzerland)*, **2016**, 8, 69	3	87

15	Dropshaft cascades in urban drainage systems. *Water Science and Technology*, **2016**, 73, 2052-9	2.2	19
14	A stochastic model for daily residential water demand. *Water Science and Technology: Water Supply*, **2016**, 16, 1753-1767	1.4	17
13	A flow field characterization in a circular channel along a side weir. *Flow Measurement and Instrumentation*, **2016**, 52, 92-100	2.2	7
12	Air-water flows in circular drop manholes. *Urban Water Journal*, **2015**, 12, 477-487	2.3	28
11	Closure to "Novel Approach for Side Weirs in Supercritical Flow" by Francesco Granata, Giovanni de Marinis, Rudy Gargano, and Carla Tricarico. *Journal of Irrigation and Drainage Engineering - ASCE*, **2014**, 140, 07014026	1.1	
10	Flow-improving elements in circular drop manholes. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **2014**, 52, 347-355	1.9	22
9	Integrated Optimal Cost and Pressure Management for Water Distribution Systems. *Procedia Engineering*, **2014**, 70, 1659-1668		16
8	The Overall Pulse Model to Predict the End User Water Demand. *Procedia Engineering*, **2014**, 89, 942-949		3
7	Optimal Water Supply System Management by Leakage Reduction and Energy Recovery. *Procedia Engineering*, **2014**, 89, 573-580		9
6	Discussion of "Hydraulic Characteristics of a Drop Square Manhole with a Downstream Control Gate" by Rita F. Carvalho and Jorge Leandro. *Journal of Irrigation and Drainage Engineering - ASCE*, **2013**, 139, 593-594	1.1	2
5	Novel Approach for Side Weirs in Supercritical Flow. *Journal of Irrigation and Drainage Engineering - ASCE*, **2013**, 139, 672-679	1.1	19
4	Hydraulics of Circular Drop Manholes. *Journal of Irrigation and Drainage Engineering - ASCE*, **2011**, 137, 102-111	1.1	50
3	Artificial Intelligence models for prediction of the tide level in Venice. *Stochastic Environmental Research and Risk Assessment*,1	3.5	11
2	Groundwater level prediction using machine learning algorithms in a drought-prone area. *Neural Computing and Applications*,1	4.8	7
1	River flow rate prediction in the Des Moines watershed (Iowa, USA): a machine learning approach. *Stochastic Environmental Research and Risk Assessment*,1	3.5	0