

Francesco Granata

List of Publications by Year in descending order

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51
papers

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279701

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times ranked

1704
citing authors

#	ARTICLE	IF	CITATIONS
1	Evapotranspiration evaluation models based on machine learning algorithms—A comparative study. <i>Agricultural Water Management</i> , 2019, 217, 303-315.	2.4	195
2	Machine Learning Algorithms for the Forecasting of Wastewater Quality Indicators. <i>Water (Switzerland)</i> , 2017, 9, 105.	1.2	141
3	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.	1.2	111
4	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.	4.8	93
5	Forecasting evapotranspiration in different climates using ensembles of recurrent neural networks. <i>Agricultural Water Management</i> , 2021, 255, 107040.	2.4	86
6	Groundwater level prediction in Apulia region (Southern Italy) using NARX neural network. <i>Environmental Research</i> , 2020, 190, 110062.	3.7	85
7	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.	4.8	69
8	Intravoxel incoherent motion (IVIM) in diffusion-weighted imaging (DWI) for Hepatocellular carcinoma: correlation with histologic grade. <i>Oncotarget</i> , 2016, 7, 79357-79364.	0.8	68
9	Groundwater level prediction using machine learning algorithms in a drought-prone area. <i>Neural Computing and Applications</i> , 2022, 34, 10751-10773.	3.2	64
10	Artificial intelligence based approaches to evaluate actual evapotranspiration in wetlands. <i>Science of the Total Environment</i> , 2020, 703, 135653.	3.9	60
11	Hydraulics of Circular Drop Manholes. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2011, 137, 102-111.	0.6	59
12	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.	3.8	54
13	Early radiological assessment of locally advanced pancreatic cancer treated with electrochemotherapy. <i>World Journal of Gastroenterology</i> , 2017, 23, 4767.	1.4	53
14	Artificial Intelligence models for prediction of the tide level in Venice. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021, 35, 2537-2548.	1.9	43
15	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.	1.1	42
16	Machine Learning Models for Spring Discharge Forecasting. <i>Geofluids</i> , 2018, 2018, 1-13.	0.3	38
17	Multidetector computer tomography in the pancreatic adenocarcinoma assessment: an update. <i>Infectious Agents and Cancer</i> , 2016, 11, 57.	1.2	34
18	Machine learning methods for wastewater hydraulics. <i>Flow Measurement and Instrumentation</i> , 2017, 57, 1-9.	1.0	33

#	ARTICLE	IF	CITATIONS
19	Air-water flows in circular drop manholes. <i>Urban Water Journal</i> , 2015, 12, 477-487.	1.0	31
20	Forecasting of Extreme Storm Tide Events Using NARX Neural Network-Based Models. <i>Atmosphere</i> , 2021, 12, 512.	1.0	31
21	Tide Prediction in the Venice Lagoon Using Nonlinear Autoregressive Exogenous (NARX) Neural Network. <i>Water (Switzerland)</i> , 2021, 13, 1173.	1.2	31
22	Probabilistic Models for the Peak Residential Water Demand. <i>Water (Switzerland)</i> , 2017, 9, 417.	1.2	29
23	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.	1.0	26
24	A stochastic model for daily residential water demand. <i>Water Science and Technology: Water Supply</i> , 2016, 16, 1753-1767.	1.0	25
25	Flow-improving elements in circular drop manholes. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2014, 52, 347-355.	0.7	24
26	Prediction of spring flows using nonlinear autoregressive exogenous (NARX) neural network models. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 350.	1.3	24
27	Dropshaft cascades in urban drainage systems. <i>Water Science and Technology</i> , 2016, 73, 2052-2059.	1.2	23
28	A stochastic approach for the water demand of residential end users. <i>Urban Water Journal</i> , 2016, 13, 569-582.	1.0	22
29	Novel Approach for Side Weirs in Supercritical Flow. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2013, 139, 672-679.	0.6	21
30	Radiological assessment of anal cancer: an overview and update. <i>Infectious Agents and Cancer</i> , 2016, 11, 52.	1.2	20
31	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.	0.8	20
32	Integrated Optimal Cost and Pressure Management for Water Distribution Systems. <i>Procedia Engineering</i> , 2014, 70, 1659-1668.	1.2	19
33	River flow rate prediction in the Des Moines watershed (Iowa, USA): a machine learning approach. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 3835-3855.	1.9	19
34	Equivalent Discharge Coefficient of Side Weirs in Circular Channel – A Lazy Machine Learning Approach. <i>Water (Switzerland)</i> , 2019, 11, 2406.	1.2	18
35	An Ensemble Neural Network Model to Forecast Drinking Water Consumption. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2022, 148, .	1.3	16
36	Deformation of Air Bubbles Near a Plunging Jet Using a Machine Learning Approach. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3879.	1.3	12

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37	Precipitation Forecasting in Northern Bangladesh Using a Hybrid Machine Learning Model. Sustainability, 2022, 14, 2663.	1.6	12
38	Optimal Water Supply System Management by Leakage Reduction and Energy Recovery. Procedia Engineering, 2014, 89, 573-580.	1.2	11
39	Two-Phase PIV-LIF Measurements in a Submerged Bubbly Water Jet. Journal of Hydraulic Engineering, 2019, 145, .	0.7	11
40	A nonlinear autoregressive exogenous (NARX) model to predict nitrate concentration in rivers. Environmental Science and Pollution Research, 2022, 29, 40623-40642.	2.7	10
41	Microplastics in Combined Sewer Overflows: An Experimental Study. Journal of Marine Science and Engineering, 2021, 9, 1415.	1.2	9
42	A shadowgraphy approach for the 3D Lagrangian description of bubbly flows. Measurement Science and Technology, 2020, 31, 105301.	1.4	8
43	A flow field characterization in a circular channel along a side weir. Flow Measurement and Instrumentation, 2016, 52, 92-100.	1.0	7
44	Air Entrainment in Drop Shafts: A Novel Approach Based on Machine Learning Algorithms and Hybrid Models. Fluids, 2022, 7, 20.	0.8	7
45	Hybrid Machine Learning Models for Soil Saturated Conductivity Prediction. Water (Switzerland), 2022, 14, 1729.	1.2	7
46	The Overall Pulse Model for Water Demand of Aggregated Residential Users. Procedia Engineering, 2017, 186, 483-490.	1.2	4
47	Generation of Water Demand Time Series through Spline Curves. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	1.3	4
48	The Overall Pulse Model to Predict the End User Water Demand. Procedia Engineering, 2014, 89, 942-949.	1.2	3
49	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.	0.6	2
50	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.	0.6	0
51	Probability of Null Water Demand Characterization. , 0, , .		0