

# Rudy Gargano

## 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.

45  
papers

817  
citations

17  
h-index

27  
g-index

46  
ext. papers

1,043  
ext. citations

3.1  
avg. IF

4.9  
L-index

#	Paper	IF	Citations
45	Forecasting of Extreme Storm Tide Events Using NARX Neural Network-Based Models. <i>Atmosphere</i> , <b>2021</b> , 12, 512	2.7	12
44	Tide Prediction in the Venice Lagoon Using Nonlinear Autoregressive Exogenous (NARX) Neural Network. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 1173	3	15
43	Prediction of spring flows using nonlinear autoregressive exogenous (NARX) neural network models. <i>Environmental Monitoring and Assessment</i> , <b>2021</b> , 193, 350	3.1	11
42	Shortcut nitrification-denitrification and biological phosphorus removal in acetate- and ethanol-fed moving bed biofilm reactors under microaerobic/aerobic conditions. <i>Bioresource Technology</i> , <b>2021</b> , 330, 124958	11	28
41	Stochastic Generation of District Heat Load. <i>Energies</i> , <b>2021</b> , 14, 5344	3.1	0
40	Microplastics in Combined Sewer Overflows: An Experimental Study. <i>Journal of Marine Science and Engineering</i> , <b>2021</b> , 9, 1415	2.4	0
39	Deformation of Air Bubbles Near a Plunging Jet Using a Machine Learning Approach. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 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. <i>Bioresource Technology</i> , <b>2020</b> , 310, 123453	11	40
37	Artificial intelligence based approaches to evaluate actual evapotranspiration in wetlands. <i>Science of the Total Environment</i> , <b>2020</b> , 703, 135653	10.2	31
36	Discussion of Peak Demand Assessment and Hydraulic Analysis in WDN Design by E. Creaco, P. Signori, S. Papiri, and C. Ciaponi. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2020</b> , 146, 07019003	2.8	
35	Burst Detection in Water Distribution Systems: The Issue of Dataset Collection. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8219	2.6	8
34	Optimal Valve Operation for Restoring Functionality of WDN during Critical Events. <i>Environmental Sciences Proceedings</i> , <b>2020</b> , 2, 32	1	0
33	Generation of Water Demand Time Series through Spline Curves. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2020</b> , 146, 04020080	2.8	1
32	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> , <b>2019</b> , 250, 109518	7.9	29
31	Two-Phase PIV-LIF Measurements in a Submerged Bubbly Water Jet. <i>Journal of Hydraulic Engineering</i> , <b>2019</b> , 145, 04019030	1.8	9
30	Equivalent Discharge Coefficient of Side Weirs in Circular Channels: A Lazy Machine Learning Approach. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 2406	3	12
29	Performance of partitioned water distribution networks under spatial-temporal variability of water demand. <i>Environmental Modelling and Software</i> , <b>2018</b> , 101, 128-136	5.2	15

28	Optimal energy recovery by means of pumps as turbines (PATs) for improved WDS management. <i>Water Science and Technology: Water Supply</i> , <b>2018</b> , 18, 1365-1374	1.4	15
27	Machine Learning Models for Spring Discharge Forecasting. <i>Geofluids</i> , <b>2018</b> , 2018, 1-13	1.5	22
26	The Overall Pulse Model for Water Demand of Aggregated Residential Users. <i>Procedia Engineering</i> , <b>2017</b> , 186, 483-490		3
25	Machine Learning Algorithms for the Forecasting of Wastewater Quality Indicators. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 105	3	85
24	Probabilistic Models for the Peak Residential Water Demand. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 417	3	25
23	A stochastic approach for the water demand of residential end users. <i>Urban Water Journal</i> , <b>2016</b> , 13, 569-582	2.3	20
22	Support Vector Regression for Rainfall-Runoff Modeling in Urban Drainage: A Comparison with the EPA Storm Water Management Model. <i>Water (Switzerland)</i> , <b>2016</b> , 8, 69	3	87
21	A stochastic model for daily residential water demand. <i>Water Science and Technology: Water Supply</i> , <b>2016</b> , 16, 1753-1767	1.4	17
20	Is there Predictive Power in Hydrological Catchment Information for Regional Landslide Hazard Assessment?. <i>Procedia Earth and Planetary Science</i> , <b>2016</b> , 16, 195-203		13
19	A flow field characterization in a circular channel along a side weir. <i>Flow Measurement and Instrumentation</i> , <b>2016</b> , 52, 92-100	2.2	7
18	A novel equation for determining the suction stress of unsaturated soils from the water retention curve based on wetted surface area in pores. <i>Water Resources Research</i> , <b>2015</b> , 51, 6143-6155	5.4	27
17	Air-water flows in circular drop manholes. <i>Urban Water Journal</i> , <b>2015</b> , 12, 477-487	2.3	28
16	Preliminary Estimate of Detention Basin Efficiency at Watershed Scale. <i>Water Resources Management</i> , <b>2014</b> , 28, 897-913	3.7	7
15	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> , <b>2014</b> , 140, 07014026	1.1	
14	Flow-improving elements in circular drop manholes. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , <b>2014</b> , 52, 347-355	1.9	22
13	Integrated Optimal Cost and Pressure Management for Water Distribution Systems. <i>Procedia Engineering</i> , <b>2014</b> , 70, 1659-1668		16
12	The influence of the existing network layout on water distribution system redesign analysis. <i>Journal of Hydroinformatics</i> , <b>2014</b> , 16, 1375-1389	2.6	4
11	The Overall Pulse Model to Predict the End User Water Demand. <i>Procedia Engineering</i> , <b>2014</b> , 89, 942-949		3

10	The Mixed Model for the Residential Flow Demand of a Small Number of Users. <i>Procedia Engineering</i> , <b>2014</b> , 89, 975-981		2
9	Optimal Water Supply System Management by Leakage Reduction and Energy Recovery. <i>Procedia Engineering</i> , <b>2014</b> , 89, 573-580		9
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> , <b>2013</b> , 139, 593-594	1.1	2
7	Novel Approach for Side Weirs in Supercritical Flow. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2013</b> , 139, 672-679	1.1	19
6	Hydraulics of Circular Drop Manholes. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2011</b> , 137, 102-111	1.1	50
5	Discussion of Drop in Combined Sewer Manhole for Supercritical Flow by Flavio De Martino, Corrado Gisogni, and Willi H. Hager. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2004</b> , 130, 171-172	1.1	141
4	Undular Hydraulic Jumps in Circular Conduits. <i>Journal of Hydraulic Engineering</i> , <b>2002</b> , 128, 1008-1013	1.8	12
3	Closure to Reliability as Tool for Hydraulic Network Planning by Rudy Gargano and Domenico Pianese. <i>Journal of Hydraulic Engineering</i> , <b>2002</b> , 128, 128-129	1.8	1
2	Supercritical Flow across Sewer Manholes. <i>Journal of Hydraulic Engineering</i> , <b>2002</b> , 128, 1014-1017	1.8	21
1	Reliability as Tool for Hydraulic Network Planning. <i>Journal of Hydraulic Engineering</i> , <b>2000</b> , 126, 354-364	1.8	76