Sina Borzooei

List of Publications by Year
in descending order

17	491	759233 12	839539 18
papers	citations	h-index	g-index

18	18	18	250
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimization of the wastewater treatment plant: From energy saving to environmental impact mitigation. Science of the Total Environment, 2019, 691, 1182-1189.	8.0	68
2	Application of unsupervised learning and process simulation for energy optimization of a WWTP under various weather conditions. Water Science and Technology, 2020, 81, 1541-1551.	2.5	60
3	Data scarcity in modelling and simulation of a large-scale WWTP: Stop sign or a challenge. Journal of Water Process Engineering, 2019, 28, 10-20.	5.6	52
4	Energy optimization of a wastewater treatment plant based on energy audit data: small investment with high return. Environmental Science and Pollution Research, 2020, 27, 17972-17985.	5.3	46
5	Wave runup prediction using M5â€² model tree algorithm. Ocean Engineering, 2016, 112, 76-81.	4.3	44
6	Data Mining Application in Assessment of Weather-Based Influent Scenarios for a WWTP: Getting the Most Out of Plant Historical Data. Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	39
7	Modelling solute transport in water disinfection systems: Effects of temperature gradient on the hydraulic and disinfection efficiency of serpentine chlorine contact tanks. Journal of Water Process Engineering, 2020, 37, 101411.	5.6	34
8	Application of natural biodegradable fiber as biofilm medium and carbon source in DEnitrifying AMmonium OXidation (DEAMOX) process for nitrogen removal from wastewater. Journal of the Taiwan Institute of Chemical Engineers, 2021, 119, 108-114.	5.3	33
9	Feasibility analysis for reduction of carbon footprint in a wastewater treatment plant. Journal of Cleaner Production, 2020, 271, 122526.	9.3	23
10	Hybrid modelling of water resource recovery facilities: status and opportunities. Water Science and Technology, 2022, 85, 2503-2524.	2.5	22
11	Assessment of weather-based influent scenarios for a WWTP: Application of a pattern recognition technique. Journal of Environmental Management, 2019, 242, 450-456.	7.8	15
12	Impact Evaluation of Wet-Weather Events on Influent Flow and Loadings of a Water Resource Recovery Facility. Green Energy and Technology, 2019, , 706-711.	0.6	14
13	Deep Learning Optimization for Soft Sensing of Hard-to-Measure Wastewater Key Variables. ACS ES&T Engineering, 2022, 2, 1341-1355.	7.6	12
14	APPLICATION OF SMOOTHED PARTICLE HYDRODYNAMICS IN EVALUATING THE PERFORMANCE OF COASTAL RETROFIT STRUCTURES. Coastal Engineering Proceedings, 2018, , 109.	0.1	9
15	Critical evaluation of respirometric and physicochemical methods for characterization of municipal wastewater during wet-weather events. Journal of Environmental Chemical Engineering, 2021, 9, 105238.	6.7	8
16	Digital solutions for continued operation of WRRFs during pandemics and other interruptions. Water Environment Research, 2021, 93, 2527-2536.	2.7	6
17	Fuel Consumption Monitoring for Travel Demand Modeling. Transportation Research Procedia, 2016, 17, 703-712.	1.5	2