

Ignacio Santin

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.

28

papers

342

citations

10

h-index

18

g-index

43

ext. papers

513

ext. citations

3.4

avg, IF

3.9

L-index

#	Paper	IF	Citations
28	New approach for regulation of the internal recirculation flow rate by fuzzy logic in biological wastewater treatments. <i>ISA Transactions</i> , 2021 , 120, 167-167	5.5	2
27	Global Internal Recirculation Alternative Operation to Reduce Nitrogen and Ammonia Limit Violations and Pumping Energy Costs in Wastewater Treatment Plants. <i>Processes</i> , 2020 , 8, 1606	2.9	
26	Artificial Neural Networks Application to Support Plant Operation in the Wastewater Industry. <i>IFIP Advances in Information and Communication Technology</i> , 2019 , 257-265	0.5	1
25	ANN-Based Soft Sensor to Predict Effluent Violations in Wastewater Treatment Plants. <i>Sensors</i> , 2019 , 19,	3.8	30
24	Dissolved oxygen control in wastewater treatment plants considering sensor noise and actuator delays. 2019 ,		1
23	Dissolved Oxygen Control in Biological Wastewater Treatments with Non-Ideal Sensors and Actuators. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 20639-20654	3.9	7
22	Data Preprocessing for ANN-based Industrial Time-Series Forecasting with Imbalanced Data 2019 ,		2
21	Fuzzy logic for plant-wide control of biological wastewater treatment process including greenhouse gas emissions. <i>ISA Transactions</i> , 2018 , 77, 146-166	5.5	18
20	Applying Control Actions for Water Line and Sludge Line To Increase Wastewater Treatment Plant Performance. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 5630-5638	3.9	9
19	Event-based control for dissolved oxygen and nitrogen in wastewater treatment plants 2018 ,		1
18	Decentralized Model Predictive Control for N and P removal in wastewater treatment plants 2018 ,		4
17	On the evaluation of the global impact of control strategies applied to wastewater treatment plants. <i>Journal of Cleaner Production</i> , 2017 , 149, 396-405	10.3	31
16	Control en Estaciones Depuradoras de Aguas Residuales: Estado actual y perspectivas. <i>RIAI - Revista Iberoamericana De Automatica E Informatica Industrial</i> , 2017 , 14, 329-345	1.5	18
15	Control strategies for nitrous oxide emissions reduction on wastewater treatment plants operation. <i>Water Research</i> , 2017 , 125, 466-477	12.5	25
14	Control y Operaci3n de Estaciones Depuradoras de Aguas Residuales: Modelado y Simulaci3n. <i>RIAI - Revista Iberoamericana De Automatica E Informatica Industrial</i> , 2017 , 14, 217-233	1.5	17
13	Control and Decision Strategies in Wastewater Treatment Plants for Operation Improvement. <i>Intelligent Systems, Control and Automation: Science and Engineering</i> , 2017 ,	0.6	4
12	Global Evaluation of Wastewater Treatment Plants Control Strategies Including CO2 Emissions. <i>IFAC-PapersOnLine</i> , 2017 , 50, 12956-12961	0.7	5

11	Optimization of the wastewater treatment processes based on the relaxation method 2017 ,		1
10	Control strategies for the sludge line in wastewater treatment plants 2016 ,		2
9	Advanced decision control system for effluent violations removal in wastewater treatment plants. <i>Control Engineering Practice</i> , 2016 , 49, 60-75	3.9	36
8	Fuzzy control applied on a benchmark simulation model for sewer networks 2016 ,		1
7	Fuzzy Control and Model Predictive Control Configurations for Effluent Violations Removal in Wastewater Treatment Plants. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 2763-2775	3.9	28
6	Applying variable dissolved oxygen set point in a two level hierarchical control structure to a wastewater treatment process. <i>Journal of Process Control</i> , 2015 , 28, 40-55	3.9	68
5	Process based control architecture for avoiding effluent pollutants quality limits violations in wastewater treatment plants 2015 ,		3
4	Control strategies for ammonia violations removal in BSM1 for dry, rain and storm weather conditions 2015 ,		2
3	Artificial Neural Network for nitrogen and ammonia effluent limit violations risk detection in Wastewater Treatment Plants 2015 ,		7
2	Removing violations of the effluent pollution in a wastewater treatment process. <i>Chemical Engineering Journal</i> , 2015 , 279, 207-219	14.7	10
1	Model predictive control and fuzzy control in a hierarchical structure for wastewater treatment plants 2014 ,		7