Montse Meneses

List of Publications by Year in Descending Order

36 papers	1,523 citations	20 h-index	39 g-index
39 ext. papers	1,708 ext. citations	6.7 avg, IF	4.63 L-index

#	Paper	IF	Citations
36	Design of Feedback Control Strategies in a Plant-Wide Wastewater Treatment Plant for Simultaneous Evaluation of Economics, Energy Usage, and Removal of Nutrients. *Energies*, **2021**, 14, 6386	3.1	1
35	Anaerobic Digestion Process Control Using a Data-Driven Internal Model Control Method. *Energies*, **2021**, 14, 6746	3.1	2
34	Eco-Efficiency Assessment of Control Actions in Wastewater Treatment Plants. *Water (Switzerland)*, **2021**, 13, 612	3	4
33	Wastewater Treatment Plant Operation: Simple Control Schemes with a Holistic Perspective. *Sustainability*, **2020**, 12, 768	3.6	14
32	Quantifying the Benefit of a Dynamic Performance Assessment of WWTP. *Processes*, **2020**, 8, 206	2.9	2
31	On the evaluation of the global impact of control strategies applied to wastewater treatment plants. *Journal of Cleaner Production*, **2017**, 149, 396-405	10.3	31
30	Global Evaluation of Wastewater Treatment Plants Control Strategies Including CO2 Emissions. *IFAC-PapersOnLine*, **2017**, 50, 12956-12961	0.7	5
29	Advanced decision control system for effluent violations removal in wastewater treatment plants. *Control Engineering Practice*, **2016**, 49, 60-75	3.9	36
28	Improved PID controller tuning rules for performance degradation/robustness increase trade-off. *Electrical Engineering*, **2016**, 98, 233-243	1.5	12
27	Data-driven Control of the Activated Sludge Process: IMC plus Feedforward Approach. *International Journal of Computers, Communications and Control*, **2016**, 11, 522	3.6	4
26	Joint Environmental and Economical Analysis of Wastewater Treatment Plants Control Strategies: A Benchmark Scenario Analysis. *Sustainability*, **2016**, 8, 360	3.6	9
25	Sensitivity analysis in a life cycle assessment of an aged red wine production from Catalonia, Spain. *Science of the Total Environment*, **2016**, 562, 571-579	10.2	43
24	Process based control architecture for avoiding effluent pollutants quality limits violations in wastewater treatment plants **2015**,		3
23	Artificial Neural Network for nitrogen and ammonia effluent limit violations risk detection in Wastewater Treatment Plants **2015**,		7
22	Life Cycle Assessment as an environmental evaluation tool for control strategies in wastewater treatment plants. *Journal of Cleaner Production*, **2015**, 107, 653-661	10.3	37
21	Removing violations of the effluent pollution in a wastewater treatment process. *Chemical Engineering Journal*, **2015**, 279, 207-219	14.7	10
20	Environmental assessment of urban water cycle on Mediterranean conditions by LCA approach. *Journal of Cleaner Production*, **2013**, 43, 84-92	10.3	127

19	Environmental evaluation of waste treatment scenarios for the towns Khanty-Mansiysk and Surgut, Russia. *Waste Management and Research*, **2013**, 31, 315-26	4	13
18	Environmental assessment of desalination processes: Reverse osmosis and Memstill . *Desalination*, **2012**, 296, 69-80	10.3	71
17	Environmental assessment of the milk life cycle: the effect of packaging selection and the variability of milk production data. *Journal of Environmental Management*, **2012**, 107, 76-83	7.9	46
16	Environmental analysis of Wastewater Treatment Plants Control strategies **2012**,		1
15	Life Cycle Assessment of Urban Wastewater Reclamation and Reuse Alternatives. *Journal of Industrial Ecology*, **2011**, 15, 49-63	7.2	93
14	The carbon footprint and energy consumption of beverage packaging selection and disposal. *Journal of Food Engineering*, **2011**, 103, 357-365	6	100
13	Control strategies and wastewater treatment plants performance: Effect of controllers parameters variation **2011**,		2
12	Environmental assessment of urban wastewater reuse: treatment alternatives and applications. *Chemosphere*, **2010**, 81, 266-72	8.4	137
11	Alternatives for Reducing the Environmental Impact of the Main Residue From a Desalination Plant. *Journal of Industrial Ecology*, **2010**, 14, 512-527	7.2	59
10	Seasonal characterization of municipal solid waste (MSW) in the city of Chihuahua, Mexico. *Waste Management*, **2009**, 29, 2018-24	8.6	98
9	LCA as a decision support tool for the environmental improvement of the operation of a municipal wastewater treatment plant. *Environmental Science & Technology*, **2009**, 43, 3300-7	10.3	151
8	Characterization of urban solid waste in Chihuahua, Mexico. *Waste Management*, **2008**, 28, 2465-71	8.6	67
7	Health risk assessment of emissions of dioxins and furans from a municipal waste incinerator: comparison with other emission sources. *Environment International*, **2004**, 30, 481-9	12.9	52
6	A design of two simple models to predict PCDD/F concentrations in vegetation and soils. *Chemosphere*, **2002**, 46, 1393-402	8.4	30
5	The use of Monte-Carlo simulation techniques for risk assessment: study of a municipal waste incinerator. *Chemosphere*, **2001**, 43, 787-99	8.4	75
4	Polybrominated diphenyl ethers detected in human adipose tissue from Spain. *Chemosphere*, **1999**, 39, 2271-8	8.4	70
3	Monitoring metals in the vicinity of a municipal waste incinerator: temporal variation in soils and vegetation. *Science of the Total Environment*, **1999**, 226, 157-64	10.2	46
2	Monitoring dioxins and furans near an old municipal solid waste incinerator: Temporal variation in vegetation. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **1999**, 34, 165-181	2.3	17

1 Trace element pollution of soils collected near a municipal solid waste incinerator: human health risk. *Bulletin of Environmental Contamination and Toxicology*, **1997**, 59, 861-7 2.7 48