

Sylvie Gillot

List of Publications by Year in descending order

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papers

422
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759055

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docs citations

19
times ranked

457
citing authors

#	ARTICLE	IF	CITATIONS
1	Circular Economy Applied to Organic Residues and Wastewater: Research Challenges. Waste and Biomass Valorization, 2022, 13, 1267-1276.	1.8	26
2	Size of biological flocs in activated sludge systems: Influence of hydrodynamic parameters at different scales. Journal of Environmental Chemical Engineering, 2021, 9, 105427.	3.3	11
3	Modelling gas-liquid mass transfer in wastewater treatment: when current knowledge needs to encounter engineering practice and vice versa. Water Science and Technology, 2019, 80, 607-619.	1.2	32
4	Considering the plug-flow behavior of the gas phase in nitrifying BAF models significantly improves the prediction of N ₂ O emissions. Water Research, 2019, 156, 337-346.	5.3	4
5	Towards advanced aeration modelling: from blower to bubbles to bulk. Water Science and Technology, 2017, 75, 507-517.	1.2	26
6	High-frequency measurement of N ₂ O emissions from a full-scale vertical subsurface flow constructed wetland. Ecological Engineering, 2017, 108, 240-248.	1.6	14
7	Full-scale post denitrifying biofilters: sinks of dissolved N ₂ O?. Science of the Total Environment, 2016, 563-564, 320-328.	3.9	18
8	N ₂ O emissions from full-scale nitrifying biofilters. Water Research, 2016, 102, 41-51.	5.3	39
9	Rethinking wastewater characterisation methods for activated sludge systems – a position paper. Water Science and Technology, 2013, 67, 2363-2373.	1.2	21
10	Impact of Aeration Control on N ₂ O Emission in a Full-Scale Activated Sludge Wastewater Treatment Plant. Proceedings of the Water Environment Federation, 2013, 2013, 642-646.	0.0	2
11	In situ characterization of local hydrodynamic parameters in closed-loop aeration tanks. Chemical Engineering Journal, 2010, 158, 207-212.	6.6	26
12	Updated Activated Sludge Model n°1 Parameter Values for Improved Prediction of Nitrogen Removal in Activated Sludge Processes: Validation at 13 Full-scale Plants. Water Environment Research, 2009, 81, 858-865.	1.3	10
13	Oxygen transfer prediction in aeration tanks using CFD. Chemical Engineering Science, 2007, 62, 7163-7171.	1.9	126
14	In Situ Local Parameter Measurements for CFD Modeling to Optimize Aeration. Proceedings of the Water Environment Federation, 2006, 2006, 3314-3326.	0.0	6
15	Application of the off-gas method to the measurement of oxygen transfer in biofilters. Chemical Engineering Science, 2005, 60, 6336-6345.	1.9	16
16	Comparison of Oxygen-Transfer Measurement Methods Under Process Conditions. Water Environment Research, 2004, 76, 183-188.	1.3	21
17	Equilibrium temperature in aerated basins – comparison of two prediction models. Water Research, 2003, 37, 3742-3748.	5.3	18
18	PREDICTING OXYGEN TRANSFER IN ANNULAR DITCHES EQUIPPED WITH FINE BUBBLE DIFFUSERS AND MIXERS. Proceedings of the Water Environment Federation, 2003, 2003, 719-728.	0.0	3

#	ARTICLE	IF	CITATIONS
19	Vers une méthode de mesure du transfert d'oxygène en biofiltres. Water Quality Research Journal of Canada, 2002, 37, 729-743.	1.2	3