

Sylvie Gillot

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

422
citations

759055

12
h-index

794469

19
g-index

19
all docs

19
docs citations

19
times ranked

457
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen transfer prediction in aeration tanks using CFD. <i>Chemical Engineering Science</i> , 2007, 62, 7163-7171.	1.9	126
2	N ₂ O emissions from full-scale nitrifying biofilters. <i>Water Research</i> , 2016, 102, 41-51.	5.3	39
3	Modelling gas-liquid mass transfer in wastewater treatment: when current knowledge needs to encounter engineering practice and vice versa. <i>Water Science and Technology</i> , 2019, 80, 607-619.	1.2	32
4	In situ characterization of local hydrodynamic parameters in closed-loop aeration tanks. <i>Chemical Engineering Journal</i> , 2010, 158, 207-212.	6.6	26
5	Towards advanced aeration modelling: from blower to bubbles to bulk. <i>Water Science and Technology</i> , 2017, 75, 507-517.	1.2	26
6	Circular Economy Applied to Organic Residues and Wastewater: Research Challenges. <i>Waste and Biomass Valorization</i> , 2022, 13, 1267-1276.	1.8	26
7	Comparison of Oxygen-Transfer Measurement Methods Under Process Conditions. <i>Water Environment Research</i> , 2004, 76, 183-188.	1.3	21
8	Rethinking wastewater characterisation methods for activated sludge systems – a position paper. <i>Water Science and Technology</i> , 2013, 67, 2363-2373.	1.2	21
9	Equilibrium temperature in aerated basins – comparison of two prediction models. <i>Water Research</i> , 2003, 37, 3742-3748.	5.3	18
10	Full-scale post denitrifying biofilters: sinks of dissolved N ₂ O?. <i>Science of the Total Environment</i> , 2016, 563-564, 320-328.	3.9	18
11	Application of the off-gas method to the measurement of oxygen transfer in biofilters. <i>Chemical Engineering Science</i> , 2005, 60, 6336-6345.	1.9	16
12	High-frequency measurement of N ₂ O emissions from a full-scale vertical subsurface flow constructed wetland. <i>Ecological Engineering</i> , 2017, 108, 240-248.	1.6	14
13	Size of biological flocs in activated sludge systems: Influence of hydrodynamic parameters at different scales. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105427.	3.3	11
14	Updated Activated Sludge Model n ^o 1 Parameter Values for Improved Prediction of Nitrogen Removal in Activated Sludge Processes: Validation at 13 Full-scale Plants. <i>Water Environment Research</i> , 2009, 81, 858-865.	1.3	10
15	In Situ Local Parameter Measurements for CFD Modeling to Optimize Aeration. <i>Proceedings of the Water Environment Federation</i> , 2006, 2006, 3314-3326.	0.0	6
16	Considering the plug-flow behavior of the gas phase in nitrifying BAF models significantly improves the prediction of N ₂ O emissions. <i>Water Research</i> , 2019, 156, 337-346.	5.3	4
17	PREDICTING OXYGEN TRANSFER IN ANNULAR DITCHES EQUIPPED WITH FINE BUBBLE DIFFUSERS AND MIXERS. <i>Proceedings of the Water Environment Federation</i> , 2003, 2003, 719-728.	0.0	3
18	Vers une méthode de mesure du transfert d'oxygène en biofiltres. <i>Water Quality Research Journal of Canada</i> , 2002, 37, 729-743.	1.2	3

#	ARTICLE	IF	CITATIONS
19	Impact of Aeration Control on N<SUB>2</SUB>O Emission in a Full-Scale Activated Sludge Wastewater Treatment Plant. Proceedings of the Water Environment Federation, 2013, 2013, 642-646.	0.0	2