

Yannick Fayolle

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

309
citations

1162367

8
h-index

1281420

11
g-index

12
all docs

12
docs citations

12
times ranked

376
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	Gas-liquid oxygen transfer in aerated and agitated slurry systems with high solid volume fractions. <i>Chemical Engineering Journal</i> , 2018, 350, 1073-1083.	6.6	19
7	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
8	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
9	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
10	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
11	Impact of Aeration Control on N ₂ and O ₂ Emission in a Full-Scale Activated Sludge Wastewater Treatment Plant. <i>Proceedings of the Water Environment Federation</i> , 2013, 2013, 642-646.	0.0	2
12	Surface volatilization modeling of (semi-)volatile hydrophobic organic compounds: The role of reference compounds. <i>Journal of Hazardous Materials</i> , 2022, 424, 127300.	6.5	0