

# Yannick Fayolle

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3561741/publications.pdf>

Version: 2024-02-01

12  
papers

309  
citations

1163117  
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1281871  
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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. Chemical Engineering Science, 2007, 62, 7163-7171.	3.8	126
2	N2O emissions from full-scale nitrifying biofilters. Water Research, 2016, 102, 41-51.	11.3	39
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.	2.5	32
4	In situ characterization of local hydrodynamic parameters in closed-loop aeration tanks. Chemical Engineering Journal, 2010, 158, 207-212.	12.7	26
5	Towards advanced aeration modelling: from blower to bubbles to bulk. Water Science and Technology, 2017, 75, 507-517.	2.5	26
6	Gas-liquid oxygen transfer in aerated and agitated slurry systems with high solid volume fractions. Chemical Engineering Journal, 2018, 350, 1073-1083.	12.7	19
7	Full-scale post denitrifying biofilters: sinks of dissolved N2O?. Science of the Total Environment, 2016, 563-564, 320-328.	8.0	18
8	Size of biological flocs in activated sludge systems: Influence of hydrodynamic parameters at different scales. Journal of Environmental Chemical Engineering, 2021, 9, 105427.	6.7	11
9	In Situ Local Parameter Measurements for CFD Modeling to Optimize Aeration. Proceedings of the Water Environment Federation, 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 N2O emissions. Water Research, 2019, 156, 337-346.	11.3	4
11	Impact of Aeration Control on N&O2Emission in a Full-Scale Activated Sludge Wastewater Treatment Plant. Proceedings of the Water Environment Federation, 2013, 2013, 642-646.	0.0	2
12	Surface volatilization modeling of (semi-)volatile hydrophobic organic compounds: The role of reference compounds. Journal of Hazardous Materials, 2022, 424, 127300.	12.4	0