

# Olivier Chapleur

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,068  
citations

516215

16  
h-index

454577

30  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1282  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anaerobic digestion of biowaste under extreme ammonia concentration: Identification of key microbial phylotypes. <i>Bioresource Technology</i> , 2016, 207, 92-101.	4.8	140
2	Metaproteomics of cellulose methanisation under thermophilic conditions reveals a surprisingly high proteolytic activity. <i>ISME Journal</i> , 2014, 8, 88-102.	4.4	131
3	Community shifts within anaerobic digestion microbiota facing phenol inhibition: Towards early warning microbial indicators?. <i>Water Research</i> , 2016, 100, 296-305.	5.3	108
4	Improving anaerobic digestion with support media: Mitigation of ammonia inhibition and effect on microbial communities. <i>Bioresource Technology</i> , 2017, 235, 229-239.	4.8	107
5	New insights into the key microbial phylotypes of anaerobic sludge digesters under different operational conditions. <i>Water Research</i> , 2016, 102, 158-169.	5.3	73
6	Acclimation strategy to increase phenol tolerance of an anaerobic microbiota. <i>Bioresource Technology</i> , 2016, 216, 77-86.	4.8	63
7	Ecological consequences of abrupt temperature changes in anaerobic digesters. <i>Chemical Engineering Journal</i> , 2019, 361, 266-277.	6.6	47
8	Increasing concentrations of phenol progressively affect anaerobic digestion of cellulose and associated microbial communities. <i>Biodegradation</i> , 2016, 27, 15-27.	1.5	43
9	Co-inoculating ruminal content neither provides active hydrolytic microbes nor improves methanization of $13\text{C}$ -cellulose in batch digesters. <i>FEMS Microbiology Ecology</i> , 2014, 87, 616-629.	1.3	41
10	A Generic Multivariate Framework for the Integration of Microbiome Longitudinal Studies With Other Data Types. <i>Frontiers in Genetics</i> , 2019, 10, 963.	1.1	39
11	Co-digestion of wastewater sludge: Choosing the optimal blend. <i>Waste Management</i> , 2019, 87, 772-781.	3.7	28
12	Zeolite favours propionate syntrophic degradation during anaerobic digestion of food waste under low ammonia stress. <i>Chemosphere</i> , 2021, 262, 127932.	4.2	25
13	Inhibition of anaerobic digestion by phenol and ammonia: Effect on degradation performances and microbial dynamics. <i>Data in Brief</i> , 2018, 19, 2235-2239.	0.5	24
14	Asymmetrical response of anaerobic digestion microbiota to temperature changes. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1445-1457.	1.7	23
15	Gradual development of ammonia-induced syntrophic acetate-oxidizing activities under mesophilic and thermophilic conditions quantitatively tracked using multiple isotopic approaches. <i>Water Research</i> , 2021, 204, 117586.	5.3	20
16	Support media can steer methanogenesis in the presence of phenol through biotic and abiotic effects. <i>Water Research</i> , 2018, 140, 24-33.	5.3	19
17	Assessment of the microbial interplay during anaerobic co-digestion of wastewater sludge using common components analysis. <i>PLoS ONE</i> , 2020, 15, e0232324.	1.1	18
18	Integrating independent microbial studies to build predictive models of anaerobic digestion inhibition by ammonia and phenol. <i>Bioresource Technology</i> , 2020, 316, 123952.	4.8	17

#	ARTICLE	IF	CITATIONS
19	Integrative Analyses to Investigate the Link between Microbial Activity and Metabolite Degradation during Anaerobic Digestion. <i>Journal of Proteome Research</i> , 2020, 19, 3981-3992.	1.8	14
20	Characterization of a combined batch-continuous procedure for the culture of anammox biomass. <i>Ecological Engineering</i> , 2017, 106, 231-241.	1.6	12
21	Diversity of novel archaeal viruses infecting methanogens discovered through coupling of stable isotope probing and metagenomics. <i>Environmental Microbiology</i> , 2022, 24, 4853-4868.	1.8	12
22	Assessment of substrate biodegradability improvement in anaerobic Co-digestion using a chemometrics-based metabolomic approach. <i>Chemosphere</i> , 2020, 254, 126812.	4.2	11
23	Effect of ammonia exposure and acclimation on the performance and the microbiome of anaerobic digestion. <i>Bioresource Technology Reports</i> , 2020, 11, 100488.	1.5	10
24	Metataxonomics, metagenomics and metabolomics analysis of the influence of temperature modification in full-scale anaerobic digesters. <i>Bioresource Technology</i> , 2022, 346, 126612.	4.8	10
25	SIMSISH Technique Does Not Alter the Apparent Isotopic Composition of Bacterial Cells. <i>PLoS ONE</i> , 2013, 8, e77522.	1.1	7
26	Oxygen-reducing bidirectional microbial electrodes designed in real domestic wastewater. <i>Bioresource Technology</i> , 2021, 326, 124663.	4.8	6
27	Time-course analysis of metabolomic and microbial responses in anaerobic digesters exposed to ammonia. <i>Chemosphere</i> , 2021, 283, 131309.	4.2	6
28	Influence of support media supplementation to reduce the inhibition of anaerobic digestion by phenol and ammonia: Effect on degradation performances and microbial dynamics. <i>Data in Brief</i> , 2018, 19, 1733-1754.	0.5	4
29	Rearrangement of incomplete multi-omics datasets combined with ComDim for evaluating replicate cross-platform variability and batch influence. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2021, 218, 104422.	1.8	3
30	Deterministic processes drive the microbial assembly during the recovery of an anaerobic digester after a severe ammonia shock. <i>Bioresource Technology</i> , 2022, 347, 126432.	4.8	3
31	A longitudinal study of the effect of temperature modification in full-scale anaerobic digesters " dataset combining 16S rDNA gene sequencing, metagenomics, and metabolomics data. <i>Data in Brief</i> , 2022, 41, 107960.	0.5	0