Olivier Chapleur

List of Publications by Year
in descending order

31	1,068	516215 16	454577 30
papers	citations	h-index	g-index

34	34	34	1282
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deterministic processes drive the microbial assembly during the recovery of an anaerobic digester after a severe ammonia shock. Bioresource Technology, 2022, 347, 126432.	4.8	3
2	Metataxonomics, metagenomics and metabolomics analysis of the influence of temperature modification in full-scale anaerobic digesters. Bioresource Technology, 2022, 346, 126612.	4.8	10
3	A longitudinal study of the effect of temperature modification in full-scale anaerobic digesters â€“ dataset combining 16S rDNA gene sequencing, metagenomics, and metabolomics data. Data in Brief, 2022, 41, 107960.	0.5	0
4	Diversity of novel archaeal viruses infecting methanogens discovered through coupling of stable isotope probing and metagenomics. Environmental Microbiology, 2022, 24, 4853-4868.	1.8	12
5	Zeolite favours propionate syntrophic degradation during anaerobic digestion of food waste under low ammonia stress. Chemosphere, 2021, 262, 127932.	4.2	25
6	Oxygen-reducing bidirectional microbial electrodes designed in real domestic wastewater. Bioresource Technology, 2021, 326, 124663.	4.8	6
7	Gradual development of ammonia-induced syntrophic acetate-oxidizing activities under mesophilic and thermophilic conditions quantitatively tracked using multiple isotopic approaches. Water Research, 2021, 204, 117586.	5.3	20
8	Rearrangement of incomplete multi-omics datasets combined with ComDim for evaluating replicate cross-platform variability and batch influence. Chemometrics and Intelligent Laboratory Systems, 2021, 218, 104422.	1.8	3
9	Time-course analysis of metabolomic and microbial responses in anaerobic digesters exposed to ammonia. Chemosphere, 2021, 283, 131309.	4.2	6
10	Integrating independent microbial studies to build predictive models of anaerobic digestion inhibition by ammonia and phenol. Bioresource Technology, 2020, 316, 123952.	4.8	17
11	Integrative Analyses to Investigate the Link between Microbial Activity and Metabolite Degradation during Anaerobic Digestion. Journal of Proteome Research, 2020, 19, 3981-3992.	1.8	14
12	Assessment of the microbial interplay during anaerobic co-digestion of wastewater sludge using common components analysis. PLoS ONE, 2020, 15, e0232324.	1.1	18
13	Effect of ammonia exposure and acclimation on the performance and the microbiome of anaerobic digestion. Bioresource Technology Reports, 2020, 11, 100488.	1.5	10
14	Assessment of substrate biodegradability improvement in anaerobic Co-digestion using a chemometrics-based metabolomic approach. Chemosphere, 2020, 254, 126812.	4.2	11
15	A Generic Multivariate Framework for the Integration of Microbiome Longitudinal Studies With Other Data Types. Frontiers in Genetics, 2019, 10, 963.	1.1	39
16	Co-digestion of wastewater sludge: Choosing the optimal blend. Waste Management, 2019, 87, 772-781.	3.7	28
17	Ecological consequences of abrupt temperature changes in anaerobic digesters. Chemical Engineering Journal, 2019, 361, 266-277.	6.6	47
18	Support media can steer methanogenesis in the presence of phenol through biotic and abiotic effects. Water Research, 2018, 140, 24-33.	5.3	19

#	Article	IF	Citations
19	Influence of support media supplementation to reduce the inhibition of anaerobic digestion by phenol and ammonia: Effect on degradation performances and microbial dynamics. Data in Brief, 2018, 19, 1733-1754.	0.5	4
20	Inhibition of anaerobic digestion by phenol and ammonia: Effect on degradation performances and microbial dynamics. Data in Brief, 2018, 19, 2235-2239.	0.5	24
21	Characterization of a combined batch-continuous procedure for the culture of anammox biomass. Ecological Engineering, 2017, 106, 231-241.	1.6	12
22	Improving anaerobic digestion with support media: Mitigation of ammonia inhibition and effect on microbial communities. Bioresource Technology, 2017, 235, 229-239.	4.8	107
23	Community shifts within anaerobic digestion microbiota facing phenol inhibition: Towards early warning microbial indicators?. Water Research, 2016, 100, 296-305.	5.3	108
24	Asymmetrical response of anaerobic digestion microbiota to temperature changes. Applied Microbiology and Biotechnology, 2016, 100, 1445-1457.	1.7	23
25	Acclimation strategy to increase phenol tolerance of an anaerobic microbiota. Bioresource Technology, 2016, 216, 77-86.	4.8	63
26	New insights into the key microbial phylotypes of anaerobic sludge digesters under different operational conditions. Water Research, 2016, 102, 158-169.	5.3	73
27	Increasing concentrations of phenol progressively affect anaerobic digestion of cellulose and associated microbial communities. Biodegradation, 2016, 27, 15-27.	1.5	43
28	Anaerobic digestion of biowaste under extreme ammonia concentration: Identification of key microbial phylotypes. Bioresource Technology, 2016, 207, 92-101.	4.8	140
29	Co-inoculating ruminal content neither provides active hydrolytic microbes nor improves methanization of¹³C-cellulose in batch digesters. FEMS Microbiology Ecology, 2014, 87, 616-629.	1.3	41
30	Metaproteomics of cellulose methanisation under thermophilic conditions reveals a surprisingly high proteolytic activity. ISME Journal, 2014, 8, 88-102.	4.4	131
31	SIMSISH Technique Does Not Alter the Apparent Isotopic Composition of Bacterial Cells. PLoS ONE, 2013, 8, e77522.	1.1	7