

Ammonia and temperature determine potential cluster microbiome

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Back to Basics – The Influence of DNA Extraction and Primer Choice on Phylogenetic Analysis of Activated Sludge Communities. <i>PLoS ONE</i> , 2015, 10, e0132783.	2.5	437
2	Substrate Type and Free Ammonia Determine Bacterial Community Structure in Full-Scale Mesophilic Anaerobic Digesters Treating Cattle or Swine Manure. <i>Frontiers in Microbiology</i> , 2015, 6, 1337.	3.5	80
3	Comparing the inhibitory thresholds of dairy manure co-digesters after prolonged acclimation periods: Part 2 – correlations between microbiomes and environment. <i>Water Research</i> , 2015, 87, 458-466.	11.3	33
4	The core populations and co-occurrence patterns of prokaryotic communities in household biogas digesters. <i>Biotechnology for Biofuels</i> , 2015, 8, 158.	6.2	113
5	Proteotyping of biogas plant microbiomes separates biogas plants according to process temperature and reactor type. <i>Biotechnology for Biofuels</i> , 2016, 9, 155.	6.2	80
6	Presence does not imply activity: DNA and RNA patterns differ in response to salt perturbation in anaerobic digestion. <i>Biotechnology for Biofuels</i> , 2016, 9, 244.	6.2	81
7	Reorganisation of a mesophilic biogas microbiome as response to a stepwise increase of ammonium nitrogen induced by poultry manure supply. <i>Bioresource Technology</i> , 2016, 208, 200-204.	9.6	33
8	Genomic insights into members of the candidate phylum Hyd24-12 common in mesophilic anaerobic digesters. <i>ISME Journal</i> , 2016, 10, 2352-2364.	9.8	62
9	Anaerobic digestion of food waste – Effect of recirculation and temperature on performance and microbiology. <i>Water Research</i> , 2016, 96, 246-254.	11.3	217
10	Enrichment of Methanosaetaceae on carbon felt and biochar during anaerobic digestion of a potassium-rich molasses stream. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 5177-5187.	3.6	30
11	Microbiome response to controlled shifts in ammonium and LCFA levels in co-digestion systems. <i>Journal of Biotechnology</i> , 2016, 220, 35-44.	3.8	32
12	High salinity in molasses wastewaters shifts anaerobic digestion to carboxylate production. <i>Water Research</i> , 2016, 98, 293-301.	11.3	57
13	Effects of geographic area, feedstock, temperature, and operating time on microbial communities of six full-scale biogas plants. <i>Bioresource Technology</i> , 2016, 218, 980-990.	9.6	43
14	The full-scale anaerobic digestion microbiome is represented by specific marker populations. <i>Water Research</i> , 2016, 104, 101-110.	11.3	61
15	Thermal hydrolysis for sewage treatment: A critical review. <i>Water Research</i> , 2016, 104, 53-71.	11.3	313
16	Effects of Ammonia on Anaerobic Digestion of Food Waste: Process Performance and Microbial Community. <i>Energy & Fuels</i> , 2016, 30, 5749-5757.	5.1	112
17	Perspectives for microbial community composition in anaerobic digestion: from abundance and activity to connectivity. <i>Environmental Microbiology</i> , 2016, 18, 2797-2809.	3.8	99
18	Biogas Production: Microbiology and Technology. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2016, 156, 195-234.	1.1	45

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19	Microbial community dynamics linked to enhanced substrate availability and biogas production of electrokinetically pre-treated waste activated sludge. <i>Bioresource Technology</i> , 2016, 218, 761-770.	9.6	15
20	Biogas production through syntrophic acetate oxidation and deliberate operating strategies for improved digester performance. <i>Applied Energy</i> , 2016, 179, 124-135.	10.1	251
21	Metabolic adaptation of microbial communities to ammonium stress in a high solid anaerobic digester with dewatered sludge. <i>Scientific Reports</i> , 2016, 6, 28193.	3.3	58
22	The microbial community structure in industrial biogas plants influences the degradation rate of straw and cellulose in batch tests. <i>Biotechnology for Biofuels</i> , 2016, 9, 128.	6.2	125
23	Microorganism-regulated mechanisms of temperature effects on the performance of anaerobic digestion. <i>Microbial Cell Factories</i> , 2016, 15, 96.	4.0	45
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25	Temperature regulates methane production through the function centralization of microbial community in anaerobic digestion. <i>Bioresource Technology</i> , 2016, 216, 150-158.	9.6	60
26	Comparative analysis of taxonomic, functional, and metabolic patterns of microbiomes from 14 full-scale biogas reactors by metagenomic sequencing and radioisotopic analysis. <i>Biotechnology for Biofuels</i> , 2016, 9, 51.	6.2	101
27	New insights into the key microbial phylotypes of anaerobic sludge digesters under different operational conditions. <i>Water Research</i> , 2016, 102, 158-169.	11.3	73
28	Biochar alleviates combined stress of ammonium and acids by firstly enriching <i>Methanosaeta</i> and then <i>Methanosarcina</i> . <i>Water Research</i> , 2016, 90, 34-43.	11.3	324
29	Microbial communities from 20 different hydrogen-producing reactors studied by 454 pyrosequencing. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3371-3384.	3.6	81
30	Temperature affects microbial abundance, activity and interactions in anaerobic digestion. <i>Bioresource Technology</i> , 2016, 209, 228-236.	9.6	84
31	Effects of total solids content on waste activated sludge thermophilic anaerobic digestion and its sludge dewaterability. <i>Bioresource Technology</i> , 2016, 217, 265-270.	9.6	38
32	Effects of total solids content on performance of sludge mesophilic anaerobic digestion and dewaterability of digested sludge. <i>Waste Management</i> , 2017, 62, 188-193.	7.4	32
33	Microbial population dynamics in continuous anaerobic digester systems during start up, stable conditions and recovery after starvation. <i>Bioresource Technology</i> , 2017, 232, 313-320.	9.6	41
34	Methanogenic population dynamics regulated by bacterial community responses to protein-rich organic wastes in a high solid anaerobic digester. <i>Chemical Engineering Journal</i> , 2017, 317, 444-453.	12.7	39
35	Proteotyping of laboratory-scale biogas plants reveals multiple steady-states in community composition. <i>Anaerobe</i> , 2017, 46, 56-68.	2.1	33
36	Effect of ammonia on methane production pathways and reaction rates in acetate-fed biogas processes. <i>Water Science and Technology</i> , 2017, 75, 1839-1848.	2.5	27

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38	Process stability and microbial community composition in pig manure and food waste anaerobic co-digesters operated at low HRTs. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	6.0	54
39	Effect of humic acid on anaerobic digestion of cellulose and xylan in completely stirred tank reactors: inhibitory effect, mitigation of the inhibition and the dynamics of the microbial communities.. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 889-901.	3.6	87
40	Pathways in bacterial and archaeal communities dictated by ammonium stress in a high solid anaerobic digester with dewatered sludge. <i>Bioresource Technology</i> , 2017, 241, 95-102.	9.6	52
41	Microbial community shifts in a farm-scale anaerobic digester treating swine waste: Correlations between bacteria communities associated with hydrogenotrophic methanogens and environmental conditions. <i>Science of the Total Environment</i> , 2017, 601-602, 167-176.	8.0	32
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43	Microbial community redundancy in anaerobic digestion drives process recovery after salinity exposure. <i>Water Research</i> , 2017, 111, 109-117.	11.3	111
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46	Bacterial community analysis in upflow multilayer anaerobic reactor treating high-solids organic wastes. <i>Biotechnology Progress</i> , 2017, 33, 1226-1234.	2.6	0
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49	Operation-driven heterogeneity and overlooked feed-associated populations in global anaerobic digester microbiome. <i>Water Research</i> , 2017, 124, 77-84.	11.3	82
50	Microbial Community Ability to Adapt to Altered Temperature Conditions Influences Operating Stability in Anaerobic Digestion. <i>Energy Procedia</i> , 2017, 105, 895-900.	1.8	13
51	Effect of operation temperature on anaerobic digestion of food waste: Performance and microbial analysis. <i>Fuel</i> , 2017, 209, 598-605.	6.4	65
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54	Composition and distribution of microbial communities in natural river wetlands and corresponding constructed wetlands. <i>Ecological Engineering</i> , 2017, 98, 40-48.	3.6	75

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61	Host-associated bacterial community succession during amphibian development. <i>Molecular Ecology</i> , 2018, 27, 1992-2006.	3.9	47
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121	The hydrogen gas bio-based economy and the production of renewable building block chemicals, food and energy. <i>New Biotechnology</i> , 2020, 55, 12-18.	4.4	46
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