Aaron Marc Saunders

List of Publications by Year
in descending order

34	4,193	186265	377865
papers	citations	28	34
		h-index	g-index

34	34	34	4036
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Terminal restriction fragment length polymorphism is an "old school" reliable technique for swift microbial community screening in anaerobic digestion. Scientific Reports, 2018, 8, 16818.	3.3	48
2	Denitrification activity of polyphosphate accumulating organisms (PAOs) in full-scale wastewater treatment plants. Water Science and Technology, 2018, 78, 2449-2458.	2.5	17
3	Identification of active denitrifiers in full-scale nutrient removal wastewater treatment systems. Environmental Microbiology, 2016, 18, 50-64.	3.8	226
4	Impact of sludge retention time on the fine composition of the microbial community and extracellular polymeric substances in a membrane bioreactor. Applied Microbiology and Biotechnology, 2016, 100, 8507-8521.	3.6	18
5	The activated sludge ecosystem contains a core community of abundant organisms. ISME Journal, 2016, 10, 11-20.	9.8	416
6	MiDAS: the field guide to the microbes of activated sludge. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav062.	3.0	213
7	Ammonia and temperature determine potential clustering in the anaerobic digestion microbiome. Water Research, 2015, 75, 312-323.	11.3	276
8	Re-appraisal of the phylogeny and fluorescence *in situ* hybridization probes for the analysis of the *Competibacteraceae* in wastewater treatment systems. Environmental Microbiology Reports, 2015, 7, 166-174.	2.4	28
9	'*Candidatus* Competibacter'-lineage genomes retrieved from metagenomes reveal functional metabolic diversity. ISME Journal, 2014, 8, 613-624.	9.8	203
10	Metabolic modelling of full-scale enhanced biological phosphorus removal sludge. Water Research, 2014, 66, 283-295.	11.3	41
11	Metabolic versatility in full-scale wastewater treatment plants performing enhanced biological phosphorus removal. Water Research, 2013, 47, 7032-7041.	11.3	84
12	Filtration properties of activated sludge in municipal MBR wastewater treatment plants are related to microbial community structure. Water Research, 2013, 47, 6719-6730.	11.3	25
13	A metabolic model for members of the genus *Tetrasphaera* involved in enhanced biological phosphorus removal. ISME Journal, 2013, 7, 543-554.	9.8	188
14	Metagenomes obtained by 'deep sequencing' – what do they tell about the enhanced biological phosphorus removal communities?. Water Science and Technology, 2013, 68, 1959-1968.	2.5	14
15	Microbial communities involved in enhanced biological phosphorus removal from wastewater—a model system in environmental biotechnology. Current Opinion in Biotechnology, 2012, 23, 452-459.	6.6	167
16	A metagenome of a full-scale microbial community carrying out enhanced biological phosphorus removal. ISME Journal, 2012, 6, 1094-1106.	9.8	218
17	Electrochemical sandwich assay for attomole analysis of DNA and RNA from beer spoilage bacteria Lactobacillus brevis. Biosensors and Bioelectronics, 2012, 37, 99-106.	10.1	31
18	Community structure of bacteria and fungi in aerosols of a pig confinement building. FEMS Microbiology Ecology, 2012, 80, 390-401.	2.7	35

#	Article	IF	Citations
19	The bacteriology of chronic venous leg ulcer examined by culture-independent molecular methods. Wound Repair and Regeneration, 2010, 18, 38-49.	3.0	124
20	A conceptual ecosystem model of microbial communities in enhanced biological phosphorus removal plants. Water Research, 2010, 44, 5070-5088.	11.3	257
21	Electrochemical DNA sandwich assay with a lipase label for attomole detection ofDNA. Chemical Communications, 2010, 46, 1836-1838.	4.1	35
22	Effect of Lake Trophic Status and Rooted Macrophytes on Community Composition and Abundance of Ammonia-Oxidizing Prokaryotes in Freshwater Sediments. Applied and Environmental Microbiology, 2009, 75, 3127-3136.	3.1	151
23	Detection and persistence of fecal Bacteroidales as water quality indicators in unchlorinated drinking water. Systematic and Applied Microbiology, 2009, 32, 362-370.	2.8	12
24	*Archaea* Dominate the Ammonia-Oxidizing Community in the Rhizosphere of the Freshwater Macrophyte *Littorella uniflora*. Applied and Environmental Microbiology, 2008, 74, 3279-3283.	3.1	167
25	Proton motive force generation from stored polymers for the uptake of acetate under anaerobic conditions. FEMS Microbiology Letters, 2007, 274, 245-251.	1.8	56
26	Competition between polyphosphate and glycogen accumulating organisms in enhanced biological phosphorus removal systems with acetate and propionate as carbon sources. Journal of Biotechnology, 2006, 123, 22-32.	3.8	174
27	Putative glycogen-accumulating organisms belonging to the Alphaproteobacteria identified through rRNA-based stable isotope probing. Microbiology (United Kingdom), 2006, 152, 419-429.	1.8	156
28	Anaerobic and aerobic metabolism of glycogen-accumulating organisms selected with propionate as the sole carbon source. Microbiology (United Kingdom), 2006, 152, 2767-2778.	1.8	108
29	Influence of Starvation on Potential Ammonia-Oxidizing Activity and amoA mRNA Levels of Nitrosospira briensis. Applied and Environmental Microbiology, 2005, 71, 1276-1282.	3.1	146
30	Enhanced biological phosphorus removal in a sequencing batch reactor using propionate as the sole carbon source. Biotechnology and Bioengineering, 2004, 85, 56-67.	3.3	158
31	Identification and comparison of aerobic and denitrifying polyphosphate-accumulating organisms. Biotechnology and Bioengineering, 2003, 83, 140-148.	3.3	162
32	Microscale structure and function of anaerobicÃ¢Â€Â"aerobic granules containing glycogen accumulating organisms. FEMS Microbiology Ecology, 2003, 45, 253-261.	2.7	39
33	Limitations of the widely used GAM42a and BET42a probes targeting bacteria in the Gammaproteobacteria radiation. Microbiology (United Kingdom), 2003, 149, 1239-1247.	1.8	39
34	A review and update of the microbiology of enhanced biological phosphorus removal in wastewater treatment plants. Antonie Van Leeuwenhoek, 2002, 81, 681-691.	1.7	161