

Aaron Marc Saunders

List of Publications by Year in descending order

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34
papers

4,193
citations

186209

28
h-index

377752

34
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34
all docs

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docs citations

34
times ranked

4036
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. <i>Scientific Reports</i> , 2018, 8, 16818.	1.6	48
2	Denitrification activity of polyphosphate accumulating organisms (PAOs) in full-scale wastewater treatment plants. <i>Water Science and Technology</i> , 2018, 78, 2449-2458.	1.2	17
3	Identification of active denitrifiers in full-scale nutrient removal wastewater treatment systems. <i>Environmental Microbiology</i> , 2016, 18, 50-64.	1.8	226
4	Impact of sludge retention time on the fine composition of the microbial community and extracellular polymeric substances in a membrane bioreactor. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8507-8521.	1.7	18
5	The activated sludge ecosystem contains a core community of abundant organisms. <i>ISME Journal</i> , 2016, 10, 11-20.	4.4	416
6	MiDAS: the field guide to the microbes of activated sludge. <i>Database: the Journal of Biological Databases and Curation</i> , 2015, 2015, bav062.	1.4	213
7	Ammonia and temperature determine potential clustering in the anaerobic digestion microbiome. <i>Water Research</i> , 2015, 75, 312-323.	5.3	276
8	Reappraisal of the phylogeny and fluorescence <i>in situ</i> hybridization probes for the analysis of the <i>Competibacteraceae</i> in wastewater treatment systems. <i>Environmental Microbiology Reports</i> , 2015, 7, 166-174.	1.0	28
9	" <i>Candidatus</i> <i>Competibacter</i> "-lineage genomes retrieved from metagenomes reveal functional metabolic diversity. <i>ISME Journal</i> , 2014, 8, 613-624.	4.4	203
10	Metabolic modelling of full-scale enhanced biological phosphorus removal sludge. <i>Water Research</i> , 2014, 66, 283-295.	5.3	41
11	Metabolic versatility in full-scale wastewater treatment plants performing enhanced biological phosphorus removal. <i>Water Research</i> , 2013, 47, 7032-7041.	5.3	84
12	Filtration properties of activated sludge in municipal MBR wastewater treatment plants are related to microbial community structure. <i>Water Research</i> , 2013, 47, 6719-6730.	5.3	25
13	A metabolic model for members of the genus <i>Tetrasphaera</i> involved in enhanced biological phosphorus removal. <i>ISME Journal</i> , 2013, 7, 543-554.	4.4	188
14	Metagenomes obtained by "deep sequencing" – what do they tell about the enhanced biological phosphorus removal communities?. <i>Water Science and Technology</i> , 2013, 68, 1959-1968.	1.2	14
15	Microbial communities involved in enhanced biological phosphorus removal from wastewater – a model system in environmental biotechnology. <i>Current Opinion in Biotechnology</i> , 2012, 23, 452-459.	3.3	167
16	A metagenome of a full-scale microbial community carrying out enhanced biological phosphorus removal. <i>ISME Journal</i> , 2012, 6, 1094-1106.	4.4	218
17	Electrochemical sandwich assay for attomole analysis of DNA and RNA from beer spoilage bacteria <i>Lactobacillus brevis</i> . <i>Biosensors and Bioelectronics</i> , 2012, 37, 99-106.	5.3	31
18	Community structure of bacteria and fungi in aerosols of a pig confinement building. <i>FEMS Microbiology Ecology</i> , 2012, 80, 390-401.	1.3	35

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19	The bacteriology of chronic venous leg ulcer examined by culture-independent molecular methods. <i>Wound Repair and Regeneration</i> , 2010, 18, 38-49.	1.5	124
20	A conceptual ecosystem model of microbial communities in enhanced biological phosphorus removal plants. <i>Water Research</i> , 2010, 44, 5070-5088.	5.3	257
21	Electrochemical DNA sandwich assay with a lipase label for attomole detection of DNA. <i>Chemical Communications</i> , 2010, 46, 1836-1838.	2.2	35
22	Effect of Lake Trophic Status and Rooted Macrophytes on Community Composition and Abundance of Ammonia-Oxidizing Prokaryotes in Freshwater Sediments. <i>Applied and Environmental Microbiology</i> , 2009, 75, 3127-3136.	1.4	151
23	Detection and persistence of fecal Bacteroidales as water quality indicators in unchlorinated drinking water. <i>Systematic and Applied Microbiology</i> , 2009, 32, 362-370.	1.2	12
24	<i>Archaea</i> Dominate the Ammonia-Oxidizing Community in the Rhizosphere of the Freshwater Macrophyte <i>Littorella uniflora</i> . <i>Applied and Environmental Microbiology</i> , 2008, 74, 3279-3283.	1.4	167
25	Proton motive force generation from stored polymers for the uptake of acetate under anaerobic conditions. <i>FEMS Microbiology Letters</i> , 2007, 274, 245-251.	0.7	56
26	Competition between polyphosphate and glycogen accumulating organisms in enhanced biological phosphorus removal systems with acetate and propionate as carbon sources. <i>Journal of Biotechnology</i> , 2006, 123, 22-32.	1.9	174
27	Putative glycogen-accumulating organisms belonging to the Alphaproteobacteria identified through rRNA-based stable isotope probing. <i>Microbiology (United Kingdom)</i> , 2006, 152, 419-429.	0.7	156
28	Anaerobic and aerobic metabolism of glycogen-accumulating organisms selected with propionate as the sole carbon source. <i>Microbiology (United Kingdom)</i> , 2006, 152, 2767-2778.	0.7	108
29	Influence of Starvation on Potential Ammonia-Oxidizing Activity and amoA mRNA Levels of <i>Nitrospira briensis</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 1276-1282.	1.4	146
30	Enhanced biological phosphorus removal in a sequencing batch reactor using propionate as the sole carbon source. <i>Biotechnology and Bioengineering</i> , 2004, 85, 56-67.	1.7	158
31	Identification and comparison of aerobic and denitrifying polyphosphate-accumulating organisms. <i>Biotechnology and Bioengineering</i> , 2003, 83, 140-148.	1.7	162
32	Microscale structure and function of anaerobic-aerobic granules containing glycogen accumulating organisms. <i>FEMS Microbiology Ecology</i> , 2003, 45, 253-261.	1.3	39
33	Limitations of the widely used GAM42a and BET42a probes targeting bacteria in the Gammaproteobacteria radiation. <i>Microbiology (United Kingdom)</i> , 2003, 149, 1239-1247.	0.7	39
34	A review and update of the microbiology of enhanced biological phosphorus removal in wastewater treatment plants. <i>Antonie Van Leeuwenhoek</i> , 2002, 81, 681-691.	0.7	161