

Morten S. Dueholm

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

3,809
citations

147801

31
h-index

182427

51
g-index

65
all docs

65
docs citations

65
times ranked

3938
citing authors

#	ARTICLE	IF	CITATIONS
1	The novel genus, <i>Candidatus</i> Phosphoribacter TM , previously identified as <i>Tetrasphaera</i> , is the dominant polyphosphate accumulating lineage in EBPR wastewater treatment plants worldwide. ISME Journal, 2022, 16, 1605-1616.	9.8	41
2	Microbial communities across activated sludge plants show recurring species-level seasonal patterns. ISME Communications, 2022, 2, .	4.2	18
3	MiDAS 4: A global catalogue of full-length 16S rRNA gene sequences and taxonomy for studies of bacterial communities in wastewater treatment plants. Nature Communications, 2022, 13, 1908.	12.8	114
4	Reevaluation of the Phylogenetic Diversity and Global Distribution of the Genus <i>Candidatus</i> Accumulibacter. MSystems, 2022, 7, e0001622.	3.8	22
5	Connecting structure to function with the recovery of over 1000 high-quality metagenome-assembled genomes from activated sludge using long-read sequencing. Nature Communications, 2021, 12, 2009.	12.8	177
6	Characterizing the growing microorganisms at species level in 46 anaerobic digesters at Danish wastewater treatment plants: A six-year survey on microbial community structure and key drivers. Water Research, 2021, 193, 116871.	11.3	51
7	In situ Subcellular Identification of Functional Amyloids in Bacteria and Archaea by Infrared Nanospectroscopy. Small Methods, 2021, 5, e2001002.	8.6	11
8	Low Global Diversity of <i>Candidatus</i> Microthrix, a Troublesome Filamentous Organism in Full-Scale WWTPs. Frontiers in Microbiology, 2021, 12, 690251.	3.5	18
9	Identification of amyloidogenic proteins in the microbiomes of a rat Parkinson's disease model and wild-type rats. Protein Science, 2021, 30, 1854-1870.	7.6	5
10	Novel syntrophic bacteria in full-scale anaerobic digesters revealed by genome-centric metatranscriptomics. ISME Journal, 2020, 14, 906-918.	9.8	117
11	Generation of Comprehensive Ecosystem-Specific Reference Databases with Species-Level Resolution by High-Throughput Full-Length 16S rRNA Gene Sequencing and Automated Taxonomy Assignment (AutoTax). MBio, 2020, 11, .	4.1	66
12	MiDAS 3: An ecosystem-specific reference database, taxonomy and knowledge platform for activated sludge and anaerobic digesters reveals species-level microbiome composition of activated sludge. Water Research, 2020, 182, 115955.	11.3	175
13	<i>Candidatus</i> Galacturonibacter soehngeni Shows Acetogenic Catabolism of Galacturonic Acid but Lacks a Canonical Carbon Monoxide Dehydrogenase/Acetyl-CoA Synthase Complex. Frontiers in Microbiology, 2020, 11, 63.	3.5	6
14	On the evolution and physiology of cable bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19116-19125.	7.1	127
15	The Proteome of <i>Tetrasphaera elongata</i> is adapted to Changing Conditions in Wastewater Treatment Plants. Proteomes, 2019, 7, 16.	3.5	21
16	Extracellular polymeric substances of biofilms: Suffering from an identity crisis. Water Research, 2019, 151, 1-7.	11.3	228
17	Retrieval of a million high-quality, full-length microbial 16S and 18S rRNA gene sequences without primer bias. Nature Biotechnology, 2018, 36, 190-195.	17.5	165
18	The Sheaths of <i>Methanospirillum</i> Are Made of a New Type of Amyloid Protein. Frontiers in Microbiology, 2018, 9, 2729.	3.5	13

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19	High-Quality Draft Genome Sequence of <i>Sphaerisporangium cinnabarinum</i> ATCC 31213. <i>Genome Announcements</i> , 2018, 6, .	0.8	0
20	Ecology and Biogenesis of Functional Amyloids in <i>Pseudomonas</i> . <i>Journal of Molecular Biology</i> , 2018, 430, 3685-3695.	4.2	48
21	Genomic and in Situ Analyses Reveal the <i>Micropruina</i> spp. as Abundant Fermentative Glycogen Accumulating Organisms in Enhanced Biological Phosphorus Removal Systems. <i>Frontiers in Microbiology</i> , 2018, 9, 1004.	3.5	45
22	Novel prosthecate bacteria from the candidate phylum Acetothermia. <i>ISME Journal</i> , 2018, 12, 2225-2237.	9.8	75
23	The impact of immigration on microbial community composition in full-scale anaerobic digesters. <i>Scientific Reports</i> , 2017, 7, 9343.	3.3	127
24	Direct Identification of Functional Amyloid Proteins by Label-Free Quantitative Mass Spectrometry. <i>Biomolecules</i> , 2017, 7, 58.	4.0	13
25	Culture-Independent Analyses Reveal Novel Anaerolineaceae as Abundant Primary Fermenters in Anaerobic Digesters Treating Waste Activated Sludge. <i>Frontiers in Microbiology</i> , 2017, 8, 1134.	3.5	158
26	A new class of hybrid secretion system is employed in <i>Pseudomonas</i> amyloid biogenesis. <i>Nature Communications</i> , 2017, 8, 263.	12.8	56
27	Epigallocatechin Gallate Remodels Overexpressed Functional Amyloids in <i>Pseudomonas aeruginosa</i> and Increases Biofilm Susceptibility to Antibiotic Treatment. <i>Journal of Biological Chemistry</i> , 2016, 291, 26540-26553.	3.4	75
28	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
29	Genomic and <i>in situ</i> investigations of the novel uncultured <i>Chloroflexi</i> associated with 0092 morphotype filamentous bulking in activated sludge. <i>ISME Journal</i> , 2016, 10, 2223-2234.	9.8	88
30	The fungal community changes over time in developing wheat heads. <i>International Journal of Food Microbiology</i> , 2016, 222, 30-39.	4.7	45
31	Detection of Pathogenic Biofilms with Bacterial Amyloid Targeting Fluorescent Probe, CDy11. <i>Journal of the American Chemical Society</i> , 2016, 138, 402-407.	13.7	82
32	Stabilization and De-Stabilization of (Membrane-)Proteins by Microbial Glycolipid and Lipopeptide Biosurfactants - in-vivo Relevance and Industrial Applications. <i>Biophysical Journal</i> , 2015, 108, 521a-522a.	0.5	0
33	Label-free quantification reveals major proteomic changes in <i>Pseudomonas putida</i> F1 during the exponential growth phase. <i>Proteomics</i> , 2015, 15, 3244-3252.	2.2	17
34	Functional bacterial amyloid increases <i>Pseudomonas</i> biofilm hydrophobicity and stiffness. <i>Frontiers in Microbiology</i> , 2015, 6, 1099.	3.5	133
35	Complete Genome Sequence of the Bacterium Aalborg_AAW-1, Representing a Novel Family within the Candidate Phylum SR1. <i>Genome Announcements</i> , 2015, 3, .	0.8	5
36	The Tubular Sheaths Encasing <i>Methanosaeta thermophila</i> Filaments Are Functional Amyloids. <i>Journal of Biological Chemistry</i> , 2015, 290, 20590-20600.	3.4	36

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37	Functional Amyloids Keep Quorum-sensing Molecules in Check. <i>Journal of Biological Chemistry</i> , 2015, 290, 6457-6469.	3.4	70
38	Survival and activity of individual bioaugmentation strains. <i>Bioresource Technology</i> , 2015, 186, 192-199.	9.6	53
39	Major Proteomic Changes Associated with Amyloid-Induced Biofilm Formation in <i>Pseudomonas aeruginosa</i> PAO1. <i>Journal of Proteome Research</i> , 2015, 14, 72-81.	3.7	34
40	Complete Genome of <i>Rhodococcus pyridinivorans</i> SB3094, a Methyl-Ethyl-Ketone-Degrading Bacterium Used for Bioaugmentation. <i>Genome Announcements</i> , 2014, 2, .	0.8	17
41	Complete Genome Sequences of <i>Pseudomonas monteilii</i> SB3078 and SB3101, Two Benzene-, Toluene-, and Ethylbenzene-Degrading Bacteria Used for Bioaugmentation. <i>Genome Announcements</i> , 2014, 2, .	0.8	12
42	Complete Genome Sequence of <i>Actinobaculum schaalii</i> Strain CCUG 27420. <i>Genome Announcements</i> , 2014, 2, .	0.8	9
43	Complete Genome Sequence of <i>Pseudomonas</i> sp. UK4, a Model Organism for Studies of Functional Amyloids in <i>Pseudomonas</i> . <i>Genome Announcements</i> , 2014, 2, .	0.8	20
44	Expression of Fap amyloids in <i>Pseudomonas aeruginosa</i> , <i>Pseudomonas fluorescens</i> , and <i>Pseudomonas putida</i> results in aggregation and increased biofilm formation. <i>MicrobiologyOpen</i> , 2013, 2, 365-382.	3.0	130
45	Evolutionary Insight into the Functional Amyloids of the Pseudomonads. <i>PLoS ONE</i> , 2013, 8, e76630.	2.5	56
46	Curli Functional Amyloid Systems Are Phylogenetically Widespread and Display Large Diversity in Operon and Protein Structure. <i>PLoS ONE</i> , 2012, 7, e51274.	2.5	124
47	Fibrillation of the Major Curli Subunit CsgA under a Wide Range of Conditions Implies a Robust Design of Aggregation. <i>Biochemistry</i> , 2011, 50, 8281-8290.	2.5	89
48	Functional Bacterial Amyloids in Biofilms. <i>Springer Series on Biofilms</i> , 2011, , 41-62.	0.1	9
49	Functional amyloid in <i>Pseudomonas</i> . <i>Molecular Microbiology</i> , 2010, 77, 1009-1020.	2.5	256
50	Widespread Abundance of Functional Bacterial Amyloid in Mycolata and Other Gram-Positive Bacteria. <i>Applied and Environmental Microbiology</i> , 2009, 75, 4101-4110.	3.1	66
51	Controlling the degree of esterification in lipase catalysed synthesis of xylitol fatty acid esters. <i>Enzyme and Microbial Technology</i> , 2007, 41, 346-352.	3.2	29
52	Amyloid adhesins are abundant in natural biofilms. <i>Environmental Microbiology</i> , 2007, 9, 3077-3090.	3.8	291