

# Per Halkjær Nielsen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5459703/publications.pdf>

Version: 2024-02-01

314  
papers

33,813  
citations

3325

91  
h-index

4870

168  
g-index

336  
all docs

336  
docs citations

336  
times ranked

20574  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraction of extracellular polymers from activated sludge using a cation exchange resin. <i>Water Research</i> , 1996, 30, 1749-1758.	5.3	2,040
2	Complete nitrification by <i>Nitrospira</i> bacteria. <i>Nature</i> , 2015, 528, 504-509.	13.7	1,878
3	Complete nitrification by a single microorganism. <i>Nature</i> , 2015, 528, 555-559.	13.7	1,336
4	Genome sequences of rare, uncultured bacteria obtained by differential coverage binning of multiple metagenomes. <i>Nature Biotechnology</i> , 2013, 31, 533-538.	9.4	1,176
5	Enzymatic activity in the activated-sludge floc matrix. <i>Applied Microbiology and Biotechnology</i> , 1995, 43, 755-761.	1.7	987
6	Enzymatic activity in the activated-sludge floc matrix. <i>Applied Microbiology and Biotechnology</i> , 1995, 43, 755-761.	1.7	917
7	In Situ Characterization of <i>Nitrospira</i> -Like Nitrite-Oxidizing Bacteria Active in Wastewater Treatment Plants. <i>Applied and Environmental Microbiology</i> , 2001, 67, 5273-5284.	1.4	718
8	Combination of Fluorescent In Situ Hybridization and Microautoradiographyâ€”a New Tool for Structure-Function Analyses in Microbial Ecology. <i>Applied and Environmental Microbiology</i> , 1999, 65, 1289-1297.	1.4	635
9	Measurement of pools of protein, carbohydrate and lipid in domestic wastewater. <i>Water Research</i> , 1994, 28, 251-262.	5.3	516
10	Global diversity and biogeography of bacterial communities in wastewater treatment plants. <i>Nature Microbiology</i> , 2019, 4, 1183-1195.	5.9	491
11	Expanded metabolic versatility of ubiquitous nitrite-oxidizing bacteria from the genus <i>Nitrospira</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11371-11376.	3.3	439
12	Back to Basics â€” The Influence of DNA Extraction and Primer Choice on Phylogenetic Analysis of Activated Sludge Communities. <i>PLoS ONE</i> , 2015, 10, e0132783.	1.1	437
13	The activated sludge ecosystem contains a core community of abundant organisms. <i>ISME Journal</i> , 2016, 10, 11-20.	4.4	416
14	Low Temperature Partial Nitrification/Anammox in a Moving Bed Biofilm Reactor Treating Low Strength Wastewater. <i>Environmental Science &amp; Technology</i> , 2014, 48, 8784-8792.	4.6	319
15	Role of sulfate-reducing bacteria in corrosion of mild steel: A review. <i>Biofouling</i> , 1995, 8, 165-194.	0.8	316
16	Amyloid adhesins are abundant in natural biofilms. <i>Environmental Microbiology</i> , 2007, 9, 3077-3090.	1.8	291
17	Ammonia and temperature determine potential clustering in the anaerobic digestion microbiome. <i>Water Research</i> , 2015, 75, 312-323.	5.3	276
18	Thaumarchaeotes abundant in refinery nitrifying sludges express <i>amoA</i> but are not obligate autotrophic ammonia oxidizers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16771-16776.	3.3	272

#	ARTICLE	IF	CITATIONS
19	On the stability of activated sludge flocs with implications to dewatering. <i>Water Research</i> , 1992, 26, 1597-1604.	5.3	271
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	Functional amyloid in <i>Pseudomonas</i> . <i>Molecular Microbiology</i> , 2010, 77, 1009-1020.	1.2	256
22	Identity and Ecophysiology of Uncultured Actinobacterial Polyphosphate-Accumulating Organisms in Full-Scale Enhanced Biological Phosphorus Removal Plants. <i>Applied and Environmental Microbiology</i> , 2005, 71, 4076-4085.	1.4	246
23	Dewatering in biological wastewater treatment: A review. <i>Water Research</i> , 2015, 82, 14-24.	5.3	231
24	Cohn's <i>Crenothrix</i> a filamentous methane oxidizer with an unusual methane monooxygenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2363-2367.	3.3	229
25	Identification of active denitrifiers in full-scale nutrient removal wastewater treatment systems. <i>Environmental Microbiology</i> , 2016, 18, 50-64.	1.8	226
26	Degradation of phthalate esters in an activated sludge wastewater treatment plant. <i>Water Research</i> , 2007, 41, 969-976.	5.3	225
27	The Isotope Array, a New Tool That Employs Substrate-Mediated Labeling of rRNA for Determination of Microbial Community Structure and Function. <i>Applied and Environmental Microbiology</i> , 2003, 69, 6875-6887.	1.4	223
28	High diversity and abundance of putative polyphosphate-accumulating Tetrasphaera-related bacteria in activated sludge systems. <i>FEMS Microbiology Ecology</i> , 2011, 76, 256-267.	1.3	218
29	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
30	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
31	A Critical Assessment of the Microorganisms Proposed to be Important to Enhanced Biological Phosphorus Removal in Full-Scale Wastewater Treatment Systems. <i>Frontiers in Microbiology</i> , 2017, 8, 718.	1.5	212
32	Identity, abundance and ecophysiology of filamentous Chloroflexi species present in activated sludge treatment plants. <i>FEMS Microbiology Ecology</i> , 2007, 59, 671-682.	1.3	210
33	<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
34	Conceptual model for production and composition of exopolymers in biofilms. <i>Water Science and Technology</i> , 1997, 36, 11-19.	1.2	197
35	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
36	Identity and ecophysiology of filamentous bacteria in activated sludge. <i>FEMS Microbiology Reviews</i> , 2009, 33, 969-998.	3.9	185

#	ARTICLE	IF	CITATIONS
37	Cultivation and characterization of <i>Candidatus</i> Nitrosocosmicus exaquare, an ammonia-oxidizing archaeon from a municipal wastewater treatment system. ISME Journal, 2017, 11, 1142-1157.	4.4	182
38	Re-evaluating the microbiology of the enhanced biological phosphorus removal process. Current Opinion in Biotechnology, 2019, 57, 111-118.	3.3	180
39	Ecophysiology of abundant denitrifying bacteria in activated sludge. FEMS Microbiology Ecology, 2007, 60, 370-382.	1.3	178
40	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.	5.8	177
41	<i>Microthrix parvicella</i> , a filamentous bacterium causing bulking and foaming in activated sludge systems: a review of current knowledge. FEMS Microbiology Reviews, 2005, 29, 49-64.	3.9	176
42	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.	5.3	175
43	Microautoradiographic Study of Rhodocyclus-Related Polyphosphate-Accumulating Bacteria in Full-Scale Enhanced Biological Phosphorus Removal Plants. Applied and Environmental Microbiology, 2004, 70, 5383-5390.	1.4	174
44	Limited dissemination of the wastewater treatment plant core resistome. Nature Communications, 2015, 6, 8452.	5.8	173
45	Identification and Ecophysiological Characterization of Epiphytic Protein-Hydrolyzing <i>Saprospiraceae</i> ( <i>Candidatus</i> Epiflobacter spp.) in Activated Sludge. Applied and Environmental Microbiology, 2008, 74, 2229-2238.	1.4	172
46	Settling Characteristics of Activated Sludge in Danish Treatment Plants with Biological Nutrient Removal. Water Science and Technology, 1994, 29, 157-165.	1.2	170
47	Peatland <i>Acidobacteria</i> with a dissimilatory sulfur metabolism. ISME Journal, 2018, 12, 1729-1742.	4.4	168
48	Microbial communities involved in enhanced biological phosphorus removal from wastewater—a model system in environmental biotechnology. Current Opinion in Biotechnology, 2012, 23, 452-459.	3.3	167
49	Linking microbial community structure with function: fluorescence in situ hybridization-microautoradiography and isotope arrays. Current Opinion in Biotechnology, 2006, 17, 83-91.	3.3	166
50	Growth of nitrite-oxidizing bacteria by aerobic hydrogen oxidation. Science, 2014, 345, 1052-1054.	6.0	166
51	Amyloid-Like Adhesins Produced by Floc-Forming and Filamentous Bacteria in Activated Sludge. Applied and Environmental Microbiology, 2008, 74, 1517-1526.	1.4	165
52	Retrieval of a million high-quality, full-length microbial 16S and 18S rRNA gene sequences without primer bias. Nature Biotechnology, 2018, 36, 190-195.	9.4	165
53	Structure and function of the microbial community in a full-scale enhanced biological phosphorus removal plant. Microbiology (United Kingdom), 2007, 153, 4061-4073.	0.7	162
54	We find them here, we find them there: Functional bacterial amyloid. Cellular and Molecular Life Sciences, 2008, 65, 910-927.	2.4	162

#	ARTICLE	IF	CITATIONS
55	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.	1.5	158
56	Phylogenetic diversity and ecophysiology of Candidate phylum Saccharibacteria in activated sludge. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw078.	1.3	155
57	Population dynamics of bacteria involved in enhanced biological phosphorus removal in Danish wastewater treatment plants. <i>Water Research</i> , 2013, 47, 1529-1544.	5.3	153
58	Conceptual model for production and composition of exopolymers in biofilms. <i>Water Science and Technology</i> , 1997, 36, 11.	1.2	148
59	A process and model concept for microbial wastewater transformations in gravity sewers. <i>Water Science and Technology</i> , 1998, 37, 233-241.	1.2	138
60	Extracellular DNA is abundant and important for microcolony strength in mixed microbial biofilms. <i>Environmental Microbiology</i> , 2011, 13, 710-721.	1.8	138
61	Link between microbial composition and carbon substrate-uptake preferences in a PHA-storing community. <i>ISME Journal</i> , 2013, 7, 1-12.	4.4	138
62	Changes in the composition of extracellular polymeric substances in activated sludge during anaerobic storage. <i>Applied Microbiology and Biotechnology</i> , 1996, 44, 823-830.	1.7	136
63	Functional bacterial amyloid increases <i>Pseudomonas</i> biofilm hydrophobicity and stiffness. <i>Frontiers in Microbiology</i> , 2015, 6, 1099.	1.5	133
64	Desorption of organic macromolecules from activated sludge: Effect of ionic composition. <i>Water Research</i> , 1997, 31, 1665-1672.	5.3	132
65	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.	1.2	130
66	Resolving the individual contribution of key microbial populations to enhanced biological phosphorus removal with Raman "FISH. <i>ISME Journal</i> , 2019, 13, 1933-1946.	4.4	130
67	Disintegration of activated sludge flocs in presence of sulfide. <i>Water Research</i> , 1998, 32, 313-320.	5.3	129
68	Polyphosphate-accumulating organisms in full-scale tropical wastewater treatment plants use diverse carbon sources. <i>Water Research</i> , 2019, 149, 496-510.	5.3	129
69	The impact of immigration on microbial community composition in full-scale anaerobic digesters. <i>Scientific Reports</i> , 2017, 7, 9343.	1.6	127
70	On the evolution and physiology of cable bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19116-19125.	3.3	127
71	Studies on the in situ physiology of <i>Thiothrix</i> spp. present in activated sludge. <i>Environmental Microbiology</i> , 2000, 2, 389-398.	1.8	125
72	Lipase and protease extraction from activated sludge. <i>Water Research</i> , 2003, 37, 3652-3657.	5.3	124

#	ARTICLE	IF	CITATIONS
73	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
74	Curli Functional Amyloid Systems Are Phylogenetically Widespread and Display Large Diversity in Operon and Protein Structure. <i>PLoS ONE</i> , 2012, 7, e51274.	1.1	124
75	Metabolism and ecological niche of <i>Tetrasphaera</i> and <i>Ca. Accumulibacter</i> in enhanced biological phosphorus removal. <i>Water Research</i> , 2017, 122, 159-171.	5.3	124
76	MiDAS 2.0: an ecosystem-specific taxonomy and online database for the organisms of wastewater treatment systems expanded for anaerobic digester groups. <i>Database: the Journal of Biological Databases and Curation</i> , 2017, 2017, .	1.4	124
77	Importance of unattached bacteria and bacteria attached to sediment in determining potentials for degradation of xenobiotic organic contaminants in an aerobic aquifer. <i>Applied and Environmental Microbiology</i> , 1992, 58, 3020-3026.	1.4	119
78	Extraction of EPS. , 1999, , 49-72.		118
79	Novel syntrophic bacteria in full-scale anaerobic digesters revealed by genome-centric metatranscriptomics. <i>ISME Journal</i> , 2020, 14, 906-918.	4.4	117
80	Quantification of cell-specific substrate uptake by probe-defined bacteria under in situ conditions by microautoradiography and fluorescence in situ hybridization. <i>Environmental Microbiology</i> , 2003, 5, 202-211.	1.8	115
81	Factors affecting microbial sulfate reduction by <i>Desulfovibrio desulfuricans</i> in continuous culture: Limiting nutrients and sulfide concentration. <i>Biotechnology and Bioengineering</i> , 1992, 40, 725-734.	1.7	114
82	MiDAS 4: A global catalogue of full-length 16S rRNA gene sequences and taxonomy for studies of bacterial communities in wastewater treatment plants. <i>Nature Communications</i> , 2022, 13, 1908.	5.8	114
83	Phylogenetic Identification and Substrate Uptake Patterns of Sulfate-Reducing Bacteria Inhabiting an Oxidic-Anoxic Sewer Biofilm Determined by Combining Microautoradiography and Fluorescent In Situ Hybridization. <i>Applied and Environmental Microbiology</i> , 2002, 68, 356-364.	1.4	112
84	Characterization of the First <i>Candidatus</i> <i>Nitrotoga</i> Isolate Reveals Metabolic Versatility and Separate Evolution of Widespread Nitrite-Oxidizing Bacteria. <i>MBio</i> , 2018, 9, .	1.8	112
85	Anaerobic deflocculation and aerobic reflocculation of activated sludge. <i>Water Research</i> , 2000, 34, 3933-3942.	5.3	111
86	Population dynamics of filamentous bacteria in Danish wastewater treatment plants with nutrient removal. <i>Water Research</i> , 2012, 46, 3781-3795.	5.3	110
87	Experimental methods and modeling techniques for description of cell population heterogeneity. <i>Biotechnology Advances</i> , 2011, 29, 575-599.	6.0	108
88	Abundance and ecophysiology of <i>Defluviicoccus</i> spp., glycogen-accumulating organisms in full-scale wastewater treatment processes. <i>Microbiology (United Kingdom)</i> , 2007, 153, 178-185.	0.7	106
89	Microbial Nitrate-Dependent Oxidation of Ferrous Iron in Activated Sludge. <i>Environmental Science &amp; Technology</i> , 1998, 32, 3556-3561.	4.6	104
90	Peracetic acid degradation and effects on nitrification in recirculating aquaculture systems. <i>Aquaculture</i> , 2009, 296, 246-254.	1.7	104

#	ARTICLE	IF	CITATIONS
91	Ecophysiology of a group of uncultured Gammaproteobacterial glycogen-accumulating organisms in full-scale enhanced biological phosphorus removal wastewater treatment plants. <i>Environmental Microbiology</i> , 2006, 8, 479-489.	1.8	100
92	The morphology and metabolic potential of the Chloroflexi in full-scale activated sludge wastewater treatment plants. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	100
93	Influence of microbial activity on the stability of activated sludge flocs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000, 18, 145-156.	2.5	99
94	Abundance and Phylogenetic Affiliation of Iron Reducers in Activated Sludge as Assessed by Fluorescence In Situ Hybridization and Microautoradiography. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4629-4636.	1.4	97
95	“Candidatus Propionivibrio aalborgensis” A Novel Glycogen Accumulating Organism Abundant in Full-Scale Enhanced Biological Phosphorus Removal Plants. <i>Frontiers in Microbiology</i> , 2016, 7, 1033.	1.5	97
96	Cell biomass and exopolymer composition in sewer biofilms. <i>Water Science and Technology</i> , 1998, 37, 17-24.	1.2	96
97	Mixed carbon sources for nitrate reduction in activated sludge-identification of bacteria and process activity studies. <i>Water Research</i> , 2008, 42, 1539-1546.	5.3	95
98	Metabolic model for the filamentous “Candidatus” <i>Microthrix parvicella</i> ™ based on genomic and metagenomic analyses. <i>ISME Journal</i> , 2013, 7, 1161-1172.	4.4	93
99	Biofilm Dynamics and Kinetics during High-Rate Sulfate Reduction under Anaerobic Conditions. <i>Applied and Environmental Microbiology</i> , 1987, 53, 27-32.	1.4	93
100	Long-term effects of sulphide on the enhanced biological removal of phosphorus: The symbiotic role of <i>Thiothrix caldifontis</i> . <i>Water Research</i> , 2017, 116, 53-64.	5.3	92
101	Isotope Labeling and Microautoradiography of Active Heterotrophic Bacteria on the Basis of Assimilation of <sup>14</sup> C. <i>Applied and Environmental Microbiology</i> , 2005, 71, 646-655.	1.4	91
102	The Family Saprospiraceae. , 2014, , 863-889.		91
103	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.	1.2	89
104	Characterization of activated sludge flocs by confocal laser scanning microscopy and image analysis. <i>Water Research</i> , 2003, 37, 2043-2052.	5.3	88
105	Genomic and <i>in situ</i> investigations of the novel uncultured Chloroflexi associated with 0092 morphotype filamentous bulking in activated sludge. <i>ISME Journal</i> , 2016, 10, 2223-2234.	4.4	88
106	Role of Hydrophobicity in Adhesion of the Dissimilatory Fe(III)-Reducing Bacterium <i>Shewanella</i> alga to Amorphous Fe(III) Oxide. <i>Applied and Environmental Microbiology</i> , 1997, 63, 3837-3843.	1.4	87
107	Application of microautoradiography to the study of substrate uptake by filamentous microorganisms in activated sludge. <i>Applied and Environmental Microbiology</i> , 1997, 63, 3662-3668.	1.4	87
108	Identity, abundance and ecophysiology of filamentous bacteria belonging to the Bacteroidetes present in activated sludge plants. <i>Microbiology (United Kingdom)</i> , 2008, 154, 886-894.	0.7	86

#	ARTICLE	IF	CITATIONS
109	Isotope array analysis of <i>Rhodocyclales</i> uncovers functional redundancy and versatility in an activated sludge. ISME Journal, 2009, 3, 1349-1364.	4.4	86
110	Growth of <i>Microthrix parvicella</i> in nutrient removal activated sludge plants: studies of in situ physiology. Water Research, 2000, 34, 1559-1569.	5.3	85
111	Metabolic versatility in full-scale wastewater treatment plants performing enhanced biological phosphorus removal. Water Research, 2013, 47, 7032-7041.	5.3	84
112	Iron reduction in activated sludge measured with different extraction techniques. Water Research, 1996, 30, 551-558.	5.3	83
113	Detection of Pathogenic Biofilms with Bacterial Amyloid Targeting Fluorescent Probe, CDy11. Journal of the American Chemical Society, 2016, 138, 402-407.	6.6	82
114	Experimental Methods in Wastewater Treatment. Water Intelligence Online, 2016, 15, 9781780404752-9781780404752.	0.3	80
115	<i>Candidatus</i> <i>Dechloromonas phosphoritropha</i> and <i>Candidatus</i> <i>D. phosphorivorans</i> , novel polyphosphate accumulating organisms abundant in wastewater treatment systems. ISME Journal, 2021, 15, 3605-3614.	4.4	80
116	Ecophysiology of the filamentous Alphaproteobacterium <i>Meganema perideroedes</i> in activated sludge. FEMS Microbiology Ecology, 2005, 54, 111-112.	1.3	78
117	Substrate-dependent denitrification of abundant probe-defined denitrifying bacteria in activated sludge. FEMS Microbiology Ecology, 2008, 66, 447-461.	1.3	78
118	Eikelboom's morphotype 0803 in activated sludge belongs to the genus <i>Caldilinea</i> in the phylum Chloroflexi. FEMS Microbiology Ecology, 2011, 76, 451-462.	1.3	78
119	<i>Candidatus</i> <i>Halomonas phosphatis</i> <sup>TM</sup> , a novel polyphosphate-accumulating organism in full-scale enhanced biological phosphorus removal plants. Environmental Microbiology, 2012, 14, 2826-2837.	1.8	76
120	Epigallocatechin Gallate Remodels Overexpressed Functional Amyloids in <i>Pseudomonas aeruginosa</i> and Increases Biofilm Susceptibility to Antibiotic Treatment. Journal of Biological Chemistry, 2016, 291, 26540-26553.	1.6	75
121	Novel prosthecate bacteria from the candidate phylum Acetothermia. ISME Journal, 2018, 12, 2225-2237.	4.4	75
122	Extraction of extracellular polymeric substances (EPS) from biofilms using a cation exchange resin. Water Science and Technology, 1995, 32, 157-164.	1.2	74
123	In situ detection of protein-hydrolysing microorganisms in activated sludge. FEMS Microbiology Ecology, 2007, 60, 156-165.	1.3	74
124	<i>Candidatus</i> <i>Accumulibacter delftensis</i> : A clade IC novel polyphosphate-accumulating organism without denitrifying activity on nitrate. Water Research, 2019, 161, 136-151.	5.3	74
125	Remember the water - a comment on EPS colligative properties. Water Science and Technology, 2001, 43, 17-23.	1.2	73
126	Adhesion characteristics of nitrifying bacteria in activated sludge. Water Research, 2008, 42, 2814-2826.	5.3	72



#	ARTICLE	IF	CITATIONS
127	Ecophysiology of the Actinobacteria in activated sludge systems. <i>Antonie Van Leeuwenhoek</i> , 2008, 94, 21-33.	0.7	71
128	Functional Amyloids Keep Quorum-sensing Molecules in Check. <i>Journal of Biological Chemistry</i> , 2015, 290, 6457-6469.	1.6	70
129	Ecophysiology of different filamentous Alphaproteobacteria in industrial wastewater treatment plants. <i>Microbiology (United Kingdom)</i> , 2006, 152, 3003-3012.	0.7	69
130	Corrosion of mild steel underneath aerobic biofilms containing sulfate-reducing bacteria part II: At high dissolved oxygen concentration. <i>Biofouling</i> , 1993, 7, 217-239.	0.8	67
131	Widespread Abundance of Functional Bacterial Amyloid in Mycolata and Other Gram-Positive Bacteria. <i>Applied and Environmental Microbiology</i> , 2009, 75, 4101-4110.	1.4	66
132	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). <i>MBio</i> , 2020, 11, .	1.8	66
133	Bacteria from the Genus <i>Arcobacter</i> Are Abundant in Effluent from Wastewater Treatment Plants. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	65
134	Transformation of organic matter in a gravity sewer. <i>Water Environment Research</i> , 1995, 67, 181-188.	1.3	63
135	Ecophysiology of mycolic acid-containing Actinobacteria (Mycolata) in activated sludge foams. <i>FEMS Microbiology Ecology</i> , 2007, 61, 174-184.	1.3	63
136	Composition of pseudomonas putida biofilms: Accumulation of protein in the biofilm matrix. <i>Biofouling</i> , 1999, 14, 49-57.	0.8	62
137	Enhancing metaproteomics – The value of models and defined environmental microbial systems. <i>Proteomics</i> , 2016, 16, 783-798.	1.3	62
138	Genomic insights into members of the candidate phylum Hyd24-12 common in mesophilic anaerobic digesters. <i>ISME Journal</i> , 2016, 10, 2352-2364.	4.4	62
139	The microorganisms in chronically infected end-stage and non-end-stage cystic fibrosis patients. <i>FEMS Immunology and Medical Microbiology</i> , 2012, 65, 236-244.	2.7	61
140	Integrative microbial community analysis reveals full-scale enhanced biological phosphorus removal under tropical conditions. <i>Scientific Reports</i> , 2016, 6, 25719.	1.6	61
141	Monitoring antibiotic resistance genes in wastewater environments: The challenges of filling a gap in the One-Health cycle. <i>Journal of Hazardous Materials</i> , 2022, 424, 127407.	6.5	60
142	Adsorption of ammonium to activated sludge. <i>Water Research</i> , 1996, 30, 762-764.	5.3	59
143	Activity and identity of fermenting microorganisms in full-scale biological nutrient removing wastewater treatment plants. <i>Environmental Microbiology</i> , 2008, 10, 2008-2019.	1.8	59
144	Microbial biotechnology and circular economy in wastewater treatment. <i>Microbial Biotechnology</i> , 2017, 10, 1102-1105.	2.0	59

#	ARTICLE	IF	CITATIONS
145	Deflocculation of Activated Sludge by the Dissimilatory Fe(III)-Reducing Bacterium <i>Shewanella alga</i> BrY. <i>Applied and Environmental Microbiology</i> , 1996, 62, 1487-1490.	1.4	59
146	Observations on dewaterability and physical, chemical and microbiological changes in anaerobically stored activated sludge from a nutrient removal plant. <i>Water Research</i> , 1994, 28, 417-425.	5.3	58
147	Intracellular Accumulation of Glycine in Polyphosphate-Accumulating Organisms in Activated Sludge, a Novel Storage Mechanism under Dynamic Anaerobic-Aerobic Conditions. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4809-4818.	1.4	58
148	Genomic insights into <i>Candidatus Amarolinea aalborgensis</i> gen. nov., sp. nov., associated with settleability problems in wastewater treatment plants. <i>Systematic and Applied Microbiology</i> , 2019, 42, 77-84.	1.2	58
149	Evolutionary Insight into the Functional Amyloids of the Pseudomonads. <i>PLoS ONE</i> , 2013, 8, e76630.	1.1	56
150	A new class of hybrid secretion system is employed in <i>Pseudomonas amyloid</i> biogenesis. <i>Nature Communications</i> , 2017, 8, 263.	5.8	56
151	High Diversity and Functional Potential of Undescribed <i>Acidobacteriota</i> in Danish Wastewater Treatment Plants. <i>Frontiers in Microbiology</i> , 2021, 12, 643950.	1.5	56
152	Micromanipulation and further identification of FISH-labelled microcolonies of a dominant denitrifying bacterium in activated sludge. <i>Environmental Microbiology</i> , 2004, 6, 470-479.	1.8	55
153	Enumeration of acetate-consuming bacteria by microautoradiography under oxygen and nitrate respiring conditions in activated sludge. <i>Water Research</i> , 2002, 36, 421-428.	5.3	53
154	In situ studies of the phylogeny and physiology of filamentous bacteria with attached growth. <i>Environmental Microbiology</i> , 2002, 4, 383-391.	1.8	53
155	Characterization of the loosely attached fraction of activated sludge bacteria. <i>Water Research</i> , 2008, 42, 843-854.	5.3	53
156	Identification of glucose-fermenting bacteria in a full-scale enhanced biological phosphorus removal plant by stable isotope probing. <i>Microbiology (United Kingdom)</i> , 2012, 158, 1818-1825.	0.7	53
157	Survival and activity of individual bioaugmentation strains. <i>Bioresource Technology</i> , 2015, 186, 192-199.	4.8	53
158	Evaluation of the Redox Dye 5-Cyano-2,3-Tolyl-Tetrazolium Chloride for Activity Studies by Simultaneous Use of Microautoradiography and Fluorescence In Situ Hybridization. <i>Applied and Environmental Microbiology</i> , 2003, 69, 641-643.	1.4	52
159	Metagenomes from deep Baltic Sea sediments reveal how past and present environmental conditions determine microbial community composition. <i>Marine Genomics</i> , 2018, 37, 58-68.	0.4	52
160	Exploring the upper pH limits of nitrite oxidation: diversity, ecophysiology, and adaptive traits of haloalkaliphilic <i>Nitrospira</i> . <i>ISME Journal</i> , 2020, 14, 2967-2979.	4.4	52
161	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. <i>Water Research</i> , 2021, 193, 116871.	5.3	51
162	Corrosion of mild steel in an alternating oxic and anoxic biofilm system. <i>Biofouling</i> , 1993, 7, 267-284.	0.8	50

#	ARTICLE	IF	CITATIONS
163	Long-term Population Dynamics and in situ Physiology in Activated Sludge Systems with Enhanced Biological Phosphorus Removal Operated with and without Nitrogen Removal. <i>Systematic and Applied Microbiology</i> , 2003, 26, 211-227.	1.2	50
164	Characterization of a thaumarchaeal symbiont that drives incomplete nitrification in the tropical sponge <i>Candidatus</i> <i>Lanthella basta</i> . <i>Environmental Microbiology</i> , 2019, 21, 3831-3854.	1.8	50
165	Comparison of methods for determination of microbial biomass in wastewater. <i>Water Research</i> , 2001, 35, 1649-1658.	5.3	49
166	Proteome profile and proteogenomics of the organohalide-respiring bacterium <i>Dehalococcoides mccartyi</i> strain CBDB1 grown on hexachlorobenzene as electron acceptor. <i>Journal of Proteomics</i> , 2014, 98, 59-64.	1.2	49
167	Unified understanding of physico-chemical properties of activated sludge and fouling propensity. <i>Water Research</i> , 2017, 120, 117-132.	5.3	48
168	Mass-immigration determines the assembly of activated sludge microbial communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	48
169	Variations in microcolony strength of probe-defined bacteria in activated sludge flocs. <i>FEMS Microbiology Ecology</i> , 2004, 50, 123-132.	1.3	47
170	Bioinformatic progress and applications in metaproteogenomics for bridging the gap between genomic sequences and metabolic functions in microbial communities. <i>Proteomics</i> , 2013, 13, 2786-2804.	1.3	46
171	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.	1.5	45
172	Phylogeny, physiology and distribution of ' <i>Candidatus</i> <i>Microthrix calida</i> ', a new <i>Microthrix</i> species isolated from industrial activated sludge wastewater treatment plants. <i>Environmental Microbiology</i> , 2006, 8, 1552-1563.	1.8	44
173	In vivo gene expression in a <i>Staphylococcus aureus</i> prosthetic joint infection characterized by RNA sequencing and metabolomics: a pilot study. <i>BMC Microbiology</i> , 2016, 16, 80.	1.3	44
174	Advances in Microscopy: Microautoradiography of Single Cells. <i>Methods in Enzymology</i> , 2005, 397, 237-256.	0.4	42
175	Dynamics of the Fouling Layer Microbial Community in a Membrane Bioreactor. <i>PLoS ONE</i> , 2016, 11, e0158811.	1.1	42
176	Comparison of targeted peptide quantification assays for reductive dehalogenases by selective reaction monitoring (SRM) and precursor reaction monitoring (PRM). <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 283-291.	1.9	41
177	Metaproteomics: Evaluation of protein extraction from activated sludge. <i>Proteomics</i> , 2014, 14, 2535-2539.	1.3	41
178	Metabolic modelling of full-scale enhanced biological phosphorus removal sludge. <i>Water Research</i> , 2014, 66, 283-295.	5.3	41
179	Comparing culture and molecular methods for the identification of microorganisms involved in necrotizing soft tissue infections. <i>BMC Infectious Diseases</i> , 2016, 16, 652.	1.3	41
180	Metabolic Traits of <i>Candidatus</i> <i>Accumulibacter</i> clade IIF Strain SCELSE-1 Using Amino Acids As Carbon Sources for Enhanced Biological Phosphorus Removal. <i>Environmental Science &amp; Technology</i> , 2020, 54, 2448-2458.	4.6	41

#	ARTICLE	IF	CITATIONS
181	The novel genus, <i>Candidatus</i> Phosphoribacter <sup>™</sup> , previously identified as <i>Tetrasphaera</i> , is the dominant polyphosphate accumulating lineage in EBPR wastewater treatment plants worldwide. ISME Journal, 2022, 16, 1605-1616.	4.4	41
182	<i>Meganema perideroedes</i> gen. nov., sp. nov., a filamentous alphaproteobacterium from activated sludge. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1865-1868.	0.8	39
183	Culture-Dependent and -Independent Investigations of Microbial Diversity on Urinary Catheters. Journal of Clinical Microbiology, 2012, 50, 3901-3908.	1.8	38
184	In situ visualisation of the abundant Chloroflexi populations in full-scale anaerobic digesters and the fate of immigrating species. PLoS ONE, 2018, 13, e0206255.	1.1	37
185	<i>Candidatus</i> Amarolinea and <i>Candidatus</i> Microthrix Are Mainly Responsible for Filamentous Bulking in Danish Municipal Wastewater Treatment Plants. Frontiers in Microbiology, 2020, 11, 1214.	1.5	37
186	Detection of activity among uncultured Actinobacteria in a drinking water reservoir. FEMS Microbiology Ecology, 2006, 55, 432-438.	1.3	36
187	High and stable substrate specificities of microorganisms in enhanced biological phosphorus removal plants. Environmental Microbiology, 2013, 15, 1821-1831.	1.8	36
188	The Tubular Sheaths Encasing <i>Methanosaeta thermophila</i> Filaments Are Functional Amyloids. Journal of Biological Chemistry, 2015, 290, 20590-20600.	1.6	36
189	A Comparative Study of Biopolymers from a Conventional and an Advanced Activated Sludge Treatment Plant. Water Science and Technology, 1994, 29, 137-141.	1.2	35
190	Control of <i>Microthrix parvicella</i> in Activated Sludge Plants by Dosage of Polyaluminium Salts: Possible Mechanisms. Clean - Soil, Air, Water, 2005, 33, 255-261.	0.8	35
191	Community structure of bacteria and fungi in aerosols of a pig confinement building. FEMS Microbiology Ecology, 2012, 80, 390-401.	1.3	35
192	Bacterial diversity in suspected prosthetic joint infections: an exploratory study using 16S rRNA gene analysis. FEMS Immunology and Medical Microbiology, 2012, 65, 291-304.	2.7	35
193	Non-denitrifying polyphosphate accumulating organisms obviate requirement for anaerobic condition. Water Research, 2017, 111, 393-403.	5.3	35
194	Diversity of microbial carbohydrate-active enzymes in Danish anaerobic digesters fed with wastewater treatment sludge. Biotechnology for Biofuels, 2017, 10, 158.	6.2	35
195	Flocculation of activated sludge flocs by stimulation of the aerobic biological activity. Water Research, 2004, 38, 3909-3919.	5.3	34
196	In situ detection of starch-hydrolyzing microorganisms in activated sludge. FEMS Microbiology Ecology, 2008, 66, 462-471.	1.3	34
197	Major Proteomic Changes Associated with Amyloid-Induced Biofilm Formation in <i>Pseudomonas aeruginosa</i> PAO1. Journal of Proteome Research, 2015, 14, 72-81.	1.8	34
198	Volatile fatty acids and sulfide in pressure mains. Water Science and Technology, 1995, 31, 169-179.	1.2	33

#	ARTICLE	IF	CITATIONS
199	Effect of Biomineralized Manganese on the Corrosion Behavior of C1008 Mild Steel. <i>Corrosion</i> , 2000, 56, 80-89.	0.5	33
200	Transformation of lipids in activated sludge. <i>Water Science and Technology</i> , 2001, 43, 165-172.	1.2	33
201	Quantification of the bond energy of bacteria attached to activated sludge floc surfaces. <i>Water Science and Technology</i> , 2001, 43, 67-75.	1.2	33
202	In situ substrate conversion and assimilation by nitrifying bacteria in a model biofilm. <i>Environmental Microbiology</i> , 2005, 7, 1392-1404.	1.8	33
203	Evaluation of analytical methods for determining the distribution of biofilm and active bacteria in a commercial heating system. <i>Biofouling</i> , 2006, 22, 133-139.	0.8	33
204	Identity, abundance and physiology of Aquaspirillum-related filamentous bacteria in activated sludge. <i>Water Science and Technology</i> , 2006, 54, 237-245.	1.2	33
205	Effects of colloidal stability on clarification and dewatering of activated sludge. <i>Water Science and Technology</i> , 1996, 34, 449.	1.2	32
206	Bacterial community structure of a full-scale biofilter treating pig house exhaust air. <i>Systematic and Applied Microbiology</i> , 2011, 34, 344-352.	1.2	32
207	True Microbiota Involved in Chronic Lung Infection of Cystic Fibrosis Patients Found by Culturing and 16S rRNA Gene Analysis. <i>Journal of Clinical Microbiology</i> , 2011, 49, 4352-4355.	1.8	32
208	The role of inoculum and reactor configuration for microbial community composition and dynamics in mainstream partial nitrification anammox reactors. <i>MicrobiologyOpen</i> , 2017, 6, e00456.	1.2	32
209	Extraction and quantification of polyphosphates in activated sludge from waste water treatment plants by 31P NMR spectroscopy. <i>Water Research</i> , 2019, 157, 346-355.	5.3	32
210	Long-term operation assessment of a full-scale membrane-aerated biofilm reactor under Nordic conditions. <i>Science of the Total Environment</i> , 2021, 779, 146366.	3.9	32
211	Diversity and Ecophysiology of the Genus OLB8 and Other Abundant Uncultured Saprospiraceae Genera in Global Wastewater Treatment Systems. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	32
212	In situ detection of cell surface hydrophobicity of probe-defined bacteria in activated sludge. <i>Water Science and Technology</i> , 2001, 43, 97-103.	1.2	31
213	Comparison of nutrient-removing microbial communities in activated sludge from full-scale MBRs and conventional plants. <i>Water Science and Technology</i> , 2013, 68, 366-371.	1.2	31
214	Gravity drainage of activated sludge: New experimental method and considerations of settling velocity, specific cake resistance and cake compressibility. <i>Water Research</i> , 2011, 45, 1941-1950.	5.3	30
215	Sludge fractionation as a method to study and predict fouling in MBR systems. <i>Separation and Purification Technology</i> , 2018, 194, 329-337.	3.9	30
216	New Training to Meet the Global Phosphorus Challenge. <i>Environmental Science &amp; Technology</i> , 2019, 53, 8479-8481.	4.6	29

#	ARTICLE	IF	CITATIONS
217	The significance of microbial Fe(III) reduction in the activated sludge process. <i>Water Science and Technology</i> , 1996, 34, 129-136.	1.2	29
218	Microbial Fe(III) Reduction in Activated Sludge. <i>Systematic and Applied Microbiology</i> , 1997, 20, 645-651.	1.2	28
219	Phylogenetic and functional diversity of bacteria in biofilms from metal surfaces of an alkaline district heating system. <i>FEMS Microbiology Ecology</i> , 2007, 61, 384-397.	1.3	28
220	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
221	Functional redundancy ensures performance robustness in 3-stage PHA-producing mixed cultures under variable feed operation. <i>New Biotechnology</i> , 2018, 40, 207-217.	2.4	28
222	Toward Better Understanding of EBPR Systems via Linking Raman-Based Phenotypic Profiling with Phylogenetic Diversity. <i>Environmental Science &amp; Technology</i> , 2018, 52, 8596-8606.	4.6	28
223	Effects of colloidal stability on clarification and dewatering of activated sludge. <i>Water Science and Technology</i> , 1996, 34, 449-457.	1.2	27
224	Acetate removal in sewer biofilms under aerobic conditions. <i>Water Research</i> , 1997, 31, 2727-2736.	5.3	27
225	Butyric Acid- and Dimethyl Disulfide-Assimilating Microorganisms in a Biofilter Treating Air Emissions from a Livestock Facility. <i>Applied and Environmental Microbiology</i> , 2011, 77, 8595-8604.	1.4	27
226	The Composition and Implications of Polyphosphate-Metal in Enhanced Biological Phosphorus Removal Systems. <i>Environmental Science &amp; Technology</i> , 2019, 53, 1536-1544.	4.6	26
227	Prospects for multi-omics in the microbial ecology of water engineering. <i>Water Research</i> , 2021, 205, 117608.	5.3	26
228	Use of cultivation-dependent and -independent techniques to assess contamination of central venous catheters: a pilot study. <i>BMC Clinical Pathology</i> , 2008, 8, 10.	1.8	25
229	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
230	Global warming readiness: Feasibility of enhanced biological phosphorus removal at 35°C. <i>Water Research</i> , 2022, 216, 118301.	5.3	25
231	Performance characteristics of fluidised bed biofilters in a novel laboratory-scale recirculation system for rainbow trout: nitrification rates, oxygen consumption and sludge collection. <i>Aquacultural Engineering</i> , 1998, 18, 265-276.	1.4	24
232	The In Situ Physiology of Pine Tree Like Organisms (PTLO) in Activated Sludge Foams. <i>Clean - Soil, Air, Water</i> , 2005, 33, 203-209.	0.8	24
233	The in situ physiology of <i>Skermania piniformis</i> in foams in Australian activated sludge plants. <i>Environmental Microbiology</i> , 2006, 8, 1712-1720.	1.8	24
234	In situ characterization of substrate uptake by <i>Microthrix parvicella</i> using microautoradiography. <i>Water Science and Technology</i> , 1998, 37, 19-26.	1.2	23

#	ARTICLE	IF	CITATIONS
235	Microbial diversity in biofilms from corroding heating systems. <i>Biofouling</i> , 2005, 21, 19-29.	0.8	23
236	Long term/low dose formalin exposure to small-scale recirculation aquaculture systems. <i>Aquacultural Engineering</i> , 2010, 42, 1-7.	1.4	23
237	Use of microautoradiography and fluorescent in situ hybridization for characterization of microbial activity in activated sludge. <i>Water Science and Technology</i> , 1999, 39, 1-9.	1.2	22
238	The Microbial Database for Danish wastewater treatment plants with nutrient removal (MiDas-DK) – a tool for understanding activated sludge population dynamics and community stability. <i>Water Science and Technology</i> , 2013, 67, 2519-2526.	1.2	22
239	Digging into the extracellular matrix of a complex microbial community using a combined metagenomic and metaproteomic approach. <i>Water Science and Technology</i> , 2013, 67, 1650-1656.	1.2	22
240	Elucidating performance failures in use of granular sludge for nutrient removal from domestic wastewater in a warm coastal climate region. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 1896-1911.	1.2	22
241	Reevaluation of the Phylogenetic Diversity and Global Distribution of the Genus <i>Candidatus Accumulibacter</i> . <i>MSystems</i> , 2022, 7, e0001622.	1.7	22
242	The Proteome of <i>Tetrasphaera elongata</i> is adapted to Changing Conditions in Wastewater Treatment Plants. <i>Proteomes</i> , 2019, 7, 16.	1.7	21
243	<i>Microthrix parvicella</i> , a specialized lipid consumer in anaerobic-aerobic activated sludge plants. <i>Water Science and Technology</i> , 2002, 46, 73-80.	1.2	21
244	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
245	A refined set of rRNA-targeted oligonucleotide probes for in situ detection and quantification of ammonia-oxidizing bacteria. <i>Water Research</i> , 2020, 186, 116372.	5.3	19
246	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
247	Identification of microorganisms responsible for foam formation in mesophilic anaerobic digesters treating surplus activated sludge. <i>Water Research</i> , 2021, 191, 116779.	5.3	18
248	Low Global Diversity of <i>Candidatus Microthrix</i> , a Troublesome Filamentous Organism in Full-Scale WWTPs. <i>Frontiers in Microbiology</i> , 2021, 12, 690251.	1.5	18
249	Microbial communities across activated sludge plants show recurring species-level seasonal patterns. <i>ISME Communications</i> , 2022, 2, .	1.7	18
250	A conspicuous H <sub>2</sub> S-oxidizing microbial mat from a high-latitude Arctic fjord (Young Sound, NE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	0.7	17
251	Sludge quality aspects of full-scale reed bed drainage. <i>Water Research</i> , 2011, 45, 6453-6460.	5.3	17
252	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

#	ARTICLE	IF	CITATIONS
253	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.	1.3	17
254	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
255	Oxidation of Sulfide and Thiosulfate and Storage of Sulfur Granules in Thiothrix from Activated Sludge. <i>Water Science and Technology</i> , 1985, 17, 167-181.	1.2	16
256	The effect of alkaline pH conditions on a sulphate reducing consortium from a Danish district heating plant. <i>Biofouling</i> , 1998, 12, 273-286.	0.8	16
257	Applicability of experience from laboratory reactors with biological phosphorus removal in full-scale plants. <i>Water Science and Technology</i> , 2006, 54, 267-275.	1.2	16
258	Floc-forming properties of polyphosphate accumulating organisms in activated sludge. <i>Water Science and Technology</i> , 2006, 54, 257-265.	1.2	16
259	Variability of type O21N in activated sludge as determined by in situ substrate uptake pattern and in situ hybridization with fluorescent rRNA targeted probes. <i>Water Science and Technology</i> , 1998, 37, 423-430.	1.2	16
260	Influence of oxygen on biofilm growth and potential sulfate reduction in gravity sewer biofilm. <i>Water Science and Technology</i> , 1995, 31, 159-167.	1.2	15
261	Quantification of lipids and protein in thin biofilms by fluorescence staining. <i>Biofouling</i> , 2008, 24, 241-250.	0.8	15
262	High quality draft genome sequence of <i>Meganema perideroedes</i> str. Gr1T and a proposal for its reclassification to the family Meganemaceae fam. nov.. <i>Standards in Genomic Sciences</i> , 2015, 10, 23.	1.5	15
263	Quantification of Biologically and Chemically Bound Phosphorus in Activated Sludge from Full-Scale Plants with Biological P-Removal. <i>Environmental Science &amp; Technology</i> , 2022, 56, 5132-5140.	4.6	15
264	Gravitational drainage of compressible organic materials. <i>AIChE Journal</i> , 2010, 56, 3099-3108.	1.8	14
265	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
266	Flow-through stable isotope probing (Flow-SIP) minimizes cross-feeding in complex microbial communities. <i>ISME Journal</i> , 2021, 15, 348-353.	4.4	14
267	Hydrogen Sulphide Control in Municipal Sewers. , 1988, , 239-247.		14
268	Seasonal microbial community dynamics complicates the evaluation of filamentous bulking mitigation strategies in full-scale WRRFs. <i>Water Research</i> , 2022, 216, 118340.	5.3	14
269	Rate and stoichiometry of microbial sulfate reduction by <i>Desulfovibrio desulfuricans</i> in biofilms. <i>Biofouling</i> , 1995, 9, 63-83.	0.8	13
270	Direct Identification of Functional Amyloid Proteins by Label-Free Quantitative Mass Spectrometry. <i>Biomolecules</i> , 2017, 7, 58.	1.8	13



#	ARTICLE	IF	CITATIONS
271	Monitoring foaming potential in anaerobic digesters. <i>Waste Management</i> , 2018, 75, 280-288.	3.7	13
272	The Sheaths of <i>Methanospirillum</i> Are Made of a New Type of Amyloid Protein. <i>Frontiers in Microbiology</i> , 2018, 9, 2729.	1.5	13
273	Influence of oxygen limitation on the cell surface properties of bacteria from activated sludge. <i>Water Science and Technology</i> , 1998, 37, 349-352.	1.2	12
274	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
275	Detection of microbial diversity in endocarditis using cultivation-independent molecular techniques. <i>Scandinavian Journal of Infectious Diseases</i> , 2011, 43, 857-869.	1.5	11
276	Bacterial composition of activated sludge—importance for floc and sludge properties. <i>Water Science and Technology</i> , 2004, 49, 51-8.	1.2	11
277	Sulfur Sources for Hydrogen Sulfide Production in Biofilms from Sewer Systems. <i>Water Science and Technology</i> , 1991, 23, 1265-1274.	1.2	10
278	Monitoring and troubleshooting of non-filamentous settling and dewatering problems in an industrial activated sludge treatment plant. <i>Water Science and Technology</i> , 2001, 44, 155-162.	1.2	10
279	Quenching effects in the application of multi-channel fluorescence in activated sludge suspended solids. <i>Water Research</i> , 2008, 42, 2449-2456.	5.3	10
280	Proteomic dataset of the organohalide-respiring bacterium <i>Dehalococcoides mccartyi</i> strain CBDB1 grown on hexachlorobenzene as electron acceptor. <i>Data in Brief</i> , 2016, 7, 253-256.	0.5	10
281	Fouling of membranes in membrane bioreactors for wastewater treatment: Planktonic bacteria can have a significant contribution. <i>Water Environment Research</i> , 2021, 93, 207-216.	1.3	10
282	The influence of dietary oxolinic acid on fluidised bed biofilter performance in a recirculation system for rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Aquaculture</i> , 2000, 183, 255-268.	1.7	9
283	Complete Genome Sequence of <i>Actinobaculum schaalii</i> Strain CCUG 27420. <i>Genome Announcements</i> , 2014, 2, .	0.8	9
284	Functional Bacterial Amyloids in Biofilms. <i>Springer Series on Biofilms</i> , 2011, , 41-62.	0.0	9
285	Use of Microautoradiography to Study in situ Physiology of Bacteria in Biofilms. <i>Reviews in Environmental Science and Biotechnology</i> , 2003, 2, 261-268.	3.9	8
286	Combination of Fluorescence In Situ Hybridization with Staining Techniques for Cell Viability and Accumulation of PHA and polyP in Microorganisms in Complex Microbial Systems. <i>Methods in Molecular Biology</i> , 2010, 599, 103-116.	0.4	8
287	Characterization of the In Situ Ecophysiology of Novel Phylotypes in Nutrient Removal Activated Sludge Treatment Plants. <i>PLoS ONE</i> , 2015, 10, e0136424.	1.1	8
288	Changes in the composition of extracellular polymeric substances in activated sludge during anaerobic storage. <i>Applied Microbiology and Biotechnology</i> , 1996, 44, 823-830.	1.7	8

#	ARTICLE	IF	CITATIONS
289	Full-scale control of Mycolata foam by FEX-120 addition. <i>Water Science and Technology</i> , 2010, 61, 2443-2450.	1.2	7
290	Ecophysiological Analysis of Microorganisms in Complex Microbial Systems by Combination of Fluorescence In Situ Hybridization with Extracellular Staining Techniques. <i>Methods in Molecular Biology</i> , 2010, 599, 117-128.	0.4	7
291	Combined Microautoradiography and Fluorescence in situ Hybridization (MAR-FISH) for the Identification of Metabolically Active Microorganisms. , 2010, , 4093-4102.		7
292	Application of Ozone in Full-Scale to Reduce Filamentous Bulking Sludge at Å-resundsverket WWTP. <i>Ozone: Science and Engineering</i> , 2014, 36, 238-243.	1.4	7
293	In situ detection of cell surface hydrophobicity of probe-defined bacteria in activated sludge. <i>Water Science and Technology</i> , 2001, 43, 97-103.	1.2	7
294	Effects of Chlorination on the Adhesion Strength and Deflocculation of Activated Sludge Flocs. <i>Water Environment Research</i> , 2004, 76, 327-333.	1.3	6
295	Biocorrosion and biofilm formation in a nutrient limited heating system subjected to alternating microaerophilic conditions. <i>Biofouling</i> , 2009, 25, 727-737.	0.8	6
296	Editorial overview: Integrating biotechnology and microbial ecology in urban water infrastructure through a microbiome continuum viewpoint. <i>Current Opinion in Biotechnology</i> , 2019, 57, iii-vi.	3.3	6
297	â€œCandidatus Galacturonibacter soehngeniâ€ Shows Acetogenic Catabolism of Galacturonic Acid but Lacks a Canonical Carbon Monoxide Dehydrogenase/Acetyl-CoA Synthase Complex. <i>Frontiers in Microbiology</i> , 2020, 11, 63.	1.5	6
298	Membrane filtration device for studying compression of fouling layers in membrane bioreactors. <i>PLoS ONE</i> , 2017, 12, e0181652.	1.1	6
299	Potential of biocorrosion in Danish district heatings systems. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2004, 55, 543-547.	0.8	5
300	<i>In situ</i> detection of bacteria involved in cathodic depolarization and stainless steel surface corrosion using microautoradiography. <i>Journal of Applied Microbiology</i> , 2008, 105, 2231-2238.	1.4	5
301	Irreversible fouling of membrane bioreactors due to formation of a non-biofilm gel layer. <i>Water Science and Technology</i> , 2014, 69, 1641-1647.	1.2	5
302	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
303	Exploring the microbial influence on seasonal nitrous oxide concentration in a full-scale wastewater treatment plant using metagenome assembled genomes. <i>Water Research</i> , 2022, 219, 118563.	5.3	5
304	Proteogenomic Refinement of the <i>Neomegalonema perideroedes</i> <sup>T</sup> Genome Annotation. <i>Proteomics</i> , 2019, 19, e1800330.	1.3	4
305	Microbial Fe(II)-oxidation by nitrate in activated sludge. <i>Water Science and Technology</i> , 1998, 37, 403-406.	1.2	2
306	Influence of shear on nitrification rates in a membrane bioreactor. <i>Water Science and Technology</i> , 2014, 69, 1705-1711.	1.2	1

#	ARTICLE	IF	CITATIONS
307	Parasitic bacteria control foam formation. <i>Nature Microbiology</i> , 2021, 6, 701-702.	5.9	1
308	Solids: report of the discussion session. <i>Water Science and Technology</i> , 1995, 32, 273-275.	1.2	1
309	Improved Diagnosis of Biofilm Infections Using Various Molecular Methods. <i>Springer Series on Biofilms</i> , 2012, , 29-41.	0.0	1
310	Use of phosphorus release batch tests for modelling an EBPR pilot plant. <i>Water Science and Technology</i> , 2002, 45, 99-106.	1.2	1
311	Editorial. <i>Water Research</i> , 2010, 44, 4825.	5.3	0
312	Editorial: Microbial ecology. <i>Water Research</i> , 2013, 47, 6957.	5.3	0
313	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.	0.2	0
314	Linking Raman-Based Phenotypic Profiling and Phylogenetic Diversity to Reveal EBPR Physiological Characteristics. <i>Proceedings of the Water Environment Federation</i> , 2018, 2018, 320-327.	0.0	0