

Jeppe Lund Nielsen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

173
papers

9,524
citations

54
h-index

93
g-index

181
ext. papers

11,088
ext. citations

6
avg, IF

6.19
L-index

#	Paper	IF	Citations
173	A cross sectional study on airborne inhalable microorganisms, endotoxin, and particles in pigeon coops - Risk assessment of exposure. <i>Environmental Research</i> , 2022 , 204, 112404	7.9	1
172	Wood-Ljungdahl pathway utilisation during in situ H biomethanation. <i>Science of the Total Environment</i> , 2022 , 806, 151254	10.2	1
171	Characterisation of cellulose-degrading organisms in an anaerobic digester.. <i>Bioresource Technology</i> , 2022 , 126933	11	1
170	Unravelling gradient layers of microbial communities, proteins, and chemical structure in aerobic granules.. <i>Science of the Total Environment</i> , 2022 , 829, 154253	10.2	0
169	Impact of the restraint of biofilm volume and thickness on the performance and microbial composition in anaerobic moving-bed biofilm reactors (AnMBBRs). <i>Journal of Environmental Chemical Engineering</i> , 2022 , 107741	6.8	0
168	Tetrabromobisphenol A (TBBPA) biodegradation in acidogenic systems: One step further on where and who. <i>Science of the Total Environment</i> , 2021 , 808, 152016	10.2	0
167	Wildlife Conservation at a Garden Level: The Effect of Robotic Lawn Mowers on European Hedgehogs (). <i>Animals</i> , 2021 , 11,	3.1	4
166	Cellulolytic and Xylanolytic Microbial Communities Associated With Lignocellulose-Rich Wheat Straw Degradation in Anaerobic Digestion. <i>Frontiers in Microbiology</i> , 2021 , 12, 645174	5.7	3
165	Physiological Responses of <i>Aspergillus niger</i> Challenged with Itraconazole. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , 65,	5.9	5
164	Methanogenic archaea use a bacteria-like methyltransferase system to demethoxylate aromatic compounds. <i>ISME Journal</i> , 2021 , 15, 3549-3565	11.9	6
163	Antifungal Resistance in Isolates of <i>Aspergillus</i> from a Pig Farm. <i>Atmosphere</i> , 2021 , 12, 826	2.7	0
162	Mastication of polyolefins alters the microbial composition in <i>Galleria mellonella</i> . <i>Environmental Pollution</i> , 2021 , 280, 116877	9.3	4
161	Biodegradation kinetics of organic micropollutants and microbial community dynamics in a moving bed biofilm reactor. <i>Chemical Engineering Journal</i> , 2021 , 415, 128963	14.7	7
160	A cohort study of cucumber greenhouse workers' exposure to microorganisms as measured using NGS and MALDI-TOF MS and biomarkers of systemic inflammation. <i>Environmental Research</i> , 2021 , 192, 110325	7.9	5
159	Diet of the European bison (<i>Bison bonasus</i>) in a forest habitat estimated by DNA barcoding. <i>Mammal Research</i> , 2021 , 66, 123-136	1.8	4
158	Flow-through stable isotope probing (Flow-SIP) minimizes cross-feeding in complex microbial communities. <i>ISME Journal</i> , 2021 , 15, 348-353	11.9	6
157	Assigning Function to Phylogeny: MAR-FISH. <i>Methods in Molecular Biology</i> , 2021 , 2246, 225-236	1.4	

156	Comparing DNA metabarcoding with faecal analysis for diet determination of the Eurasian otter (<i>Lutra lutra</i>) in Vejlerne, Denmark. <i>Mammal Research</i> , 2021 , 66, 115-122	1.8	2
155	eDNA metabarcoding for biodiversity assessment, generalist predators as sampling assistants. <i>Scientific Reports</i> , 2021 , 11, 6820	4.9	4
154	Ecological quality in freshwater streams is reflected across all three domains of life. <i>Ecological Indicators</i> , 2021 , 130, 108059	5.8	
153	eDNA and metabarcoding for rewilding projects monitoring, a dietary approach. <i>Mammalian Biology</i> , 2020 , 100, 411-418	1.6	2
152	Housefly (<i>Musca domestica</i> L.) associated microbiota across different life stages. <i>Scientific Reports</i> , 2020 , 10, 7842	4.9	13
151	Potential Respiratory Deposition and Species Composition of Airborne Culturable, Viable, and Non-Viable Fungi during Occupancy in a Pig Farm. <i>Atmosphere</i> , 2020 , 11, 639	2.7	5
150	Alternative strategies of nutrient acquisition and energy conservation map to the biogeography of marine ammonia-oxidizing archaea. <i>ISME Journal</i> , 2020 , 14, 2595-2609	11.9	19
149	Integrated genome-wide investigations of the housefly, a global vector of diseases reveal unique dispersal patterns and bacterial communities across farms. <i>BMC Genomics</i> , 2020 , 21, 66	4.5	8
148	Impact of polyethylene on salivary glands proteome in <i>Galleria melonella</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020 , 34, 100678	2	7
147	Genetic structure of the European hedgehog (<i>Erinaceus europaeus</i>) in Denmark. <i>PLoS ONE</i> , 2020 , 15, e0227205	3.7	10
146	Occurrence of Cyanobacteria and microcystins in hydroelectric reservoirs used for fish farming. <i>Journal of Water and Health</i> , 2020 , 18, 983-994	2.2	3
145	Stream water quality assessment by metabarcoding of invertebrates. <i>Ecological Indicators</i> , 2020 , 111, 105982	5.8	18
144	Characterisation of microbial communities for improved management of anaerobic digestion of food waste. <i>Waste Management</i> , 2020 , 117, 124-135	8.6	19
143	Impact of dust on airborne <i>Staphylococcus aureus</i> viability, culturability, inflammogenicity, and biofilm forming capacity. <i>International Journal of Hygiene and Environmental Health</i> , 2020 , 230, 113608	6.9	6
142	Biomass segregation between biofilm and flocs improves the control of nitrite-oxidizing bacteria in mainstream partial nitrification and anammox processes. <i>Water Research</i> , 2019 , 154, 104-116	12.5	108
141	Effects of ozone treatment on performance and microbial community composition in biofiltration systems treating ethyl acetate vapours. <i>Chemosphere</i> , 2019 , 233, 67-75	8.4	9
140	Biogas upgrading with hydrogenotrophic methanogenic biofilms. <i>Bioresour. Technol.</i> , 2019 , 287, 121422	11	24
139	Resolving the individual contribution of key microbial populations to enhanced biological phosphorus removal with Raman-FISH. <i>ISME Journal</i> , 2019 , 13, 1933-1946	11.9	62

138	Microbial species and biodiversity in settling dust within and between pig farms. <i>Environmental Research</i> , 2019 , 171, 558-567	7.9	31
137	Stick or leave - Pushing methanogens to biofilm formation for ex situ biomethanation. <i>Bioresource Technology</i> , 2019 , 291, 121784	11	22
136	Microbial Production of the Off-Flavor Geosmin in Tilapia Production in Brazilian Water Reservoirs: Importance of Bacteria in the Intestine and Other Fish-Associated Environments. <i>Frontiers in Microbiology</i> , 2019 , 10, 2447	5.7	12
135	Dynamics of geosmin-producing bacteria in a full-scale saltwater recirculated aquaculture system. <i>Aquaculture</i> , 2019 , 500, 170-177	4.4	6
134	Inter-laboratory testing of the effect of DNA blocking reagent G2 on DNA extraction from low-biomass clay samples. <i>Scientific Reports</i> , 2018 , 8, 5711	4.9	6
133	Diversity and metabolic potential of the microbiota associated with a soil arthropod. <i>Scientific Reports</i> , 2018 , 8, 2491	4.9	22
132	Transformation, CO formation and uptake of four organic micropollutants by carrier-attached microorganisms. <i>Water Research</i> , 2018 , 141, 405-416	12.5	17
131	Strong responses of <i>Drosophila melanogaster</i> microbiota to developmental temperature. <i>Fly</i> , 2018 , 12, 1-12	1.3	46
130	Impact of <i>Bacillus</i> spp. spores and gentamicin on the gastrointestinal microbiota of suckling and newly weaned piglets. <i>PLoS ONE</i> , 2018 , 13, e0207382	3.7	21
129	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	11	32
128	In-situ biogas upgrading with pulse H additions: The relevance of methanogen adaption and inorganic carbon level. <i>Bioresource Technology</i> , 2017 , 233, 256-263	11	105
127	The microbial community of the gut differs between piglets fed sow milk, milk replacer or bovine colostrum. <i>British Journal of Nutrition</i> , 2017 , 117, 964-978	3.6	21
126	Exogenous addition of H for an in situ biogas upgrading through biological reduction of carbon dioxide into methane. <i>Waste Management</i> , 2017 , 68, 146-156	8.6	74
125	Quantification of novel geosmin-producing bacteria in aquaculture systems. <i>Aquaculture</i> , 2017 , 479, 304-310	4.4	18
124	Population genomics of the raccoon dog (<i>Nyctereutes procyonoides</i>) in Denmark: insights into invasion history and population development. <i>Biological Invasions</i> , 2017 , 19, 1637-1652	2.7	10
123	Bacterial Communities Associated with Houseflies (<i>Musca domestica</i> L.) Sampled within and between Farms. <i>PLoS ONE</i> , 2017 , 12, e0169753	3.7	45
122	Evaluation of a membrane bioreactor system as post-treatment in waste water treatment for better removal of micropollutants. <i>Water Research</i> , 2016 , 107, 37-46	12.5	32
121	Mainstream partial nitritation and anammox: long-term process stability and effluent quality at low temperatures. <i>Water Research</i> , 2016 , 101, 628-639	12.5	311

120	Community dynamics of denitrifying bacteria in full-scale wastewater treatment plants. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 2358-67	2.6	33
119	Proteomic data reveal a physiological basis for costs and benefits associated with thermal acclimation. <i>Journal of Experimental Biology</i> , 2016 , 219, 969-76	3	22
118	Genomic, Proteomic, and Metabolite Characterization of Gemfibrozil-Degrading Organism <i>Bacillus</i> sp. GeD10. <i>Environmental Science & Technology</i> , 2016 , 50, 744-55	10.3	26
117	The Microbiome of Animals: Implications for Conservation Biology. <i>International Journal of Genomics</i> , 2016 , 2016, 5304028	2.5	123
116	Enhancing metaproteomics--The value of models and defined environmental microbial systems. <i>Proteomics</i> , 2016 , 16, 783-98	4.8	50
115	Bioaugmentation. <i>Springer Protocols</i> , 2016 , 105-115	0.3	1
114	Identification of active denitrifiers in full-scale nutrient removal wastewater treatment systems. <i>Environmental Microbiology</i> , 2016 , 18, 50-64	5.2	148
113	Phylogenetic diversity and ecophysiology of Candidate phylum Saccharibacteria in activated sludge. <i>FEMS Microbiology Ecology</i> , 2016 , 92, fiw078	4.3	112
112	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	4.5	25
111	Identification of syntrophic acetate-oxidizing bacteria in anaerobic digesters by combined protein-based stable isotope probing and metagenomics. <i>ISME Journal</i> , 2016 , 10, 2405-18	11.9	96
110	Microbial diversity in bioaerosol samples causing ODS compared to reference bioaerosol samples as measured using Illumina sequencing and MALDI-TOF. <i>Environmental Research</i> , 2015 , 140, 255-67	7.9	66
109	Studies of the Ecophysiology of Single Cells in Microbial Communities by (Quantitative) Microautoradiography and Fluorescence In Situ Hybridization (MAR-FISH). <i>Springer Protocols</i> , 2015 , 115-130	0.3	5
108	Survival and activity of individual bioaugmentation strains. <i>Bioresource Technology</i> , 2015 , 186, 192-199	11	41
107	Degradation of PPCPs in activated sludge from different WWTPs in Denmark. <i>Ecotoxicology</i> , 2015 , 24, 2073-80	2.9	30
106	Identification of Putative Genes Involved in Bisphenol A Degradation Using Differential Protein Abundance Analysis of <i>Sphingobium</i> sp. BiD32. <i>Environmental Science & Technology</i> , 2015 , 49, 12232-41	10.3	38
105	Functional responses and adaptation of mesophilic microbial communities to psychrophilic anaerobic digestion. <i>FEMS Microbiology Ecology</i> , 2015 , 91,	4.3	11
104	Bioremediation strategies for removal of residual atrazine in the boreal groundwater zone. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 10249-59	5.7	18
103	Identification of Triclosan-O-Sulfate and other transformation products of Triclosan formed by activated sludge. <i>Science of the Total Environment</i> , 2015 , 505, 39-46	10.2	36

102	MiDAS: the field guide to the microbes of activated sludge. <i>Database: the Journal of Biological Databases and Curation</i> , 2015 , 2015, bav062	5	159
101	Activity and growth of anammox biomass on aerobically pre-treated municipal wastewater. <i>Water Research</i> , 2015 , 80, 325-36	12.5	146
100	Nitrosospira lacus sp. nov., a psychrotolerant, ammonia-oxidizing bacterium from sandy lake sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015 , 65, 242-250	2.2	27
99	Rapid TaqMan-based quantification of chlorophyll d-containing cyanobacteria in the genus <i>Acaryochloris</i> . <i>Applied and Environmental Microbiology</i> , 2014 , 80, 3244-9	4.8	5
98	Quantifying contribution of syntrophic acetate oxidation to methane production in thermophilic anaerobic reactors by membrane inlet mass spectrometry. <i>Environmental Science & Technology</i> , 2014 , 48, 2505-11	10.3	15
97	Influence of p-cresol on the proteome of the autotrophic nitrifying bacterium <i>Nitrosomonas europaea</i> C91. <i>Archives of Microbiology</i> , 2014 , 196, 497-511	3	12
96	End-of-pipe single-sludge denitrification in pilot-scale recirculating aquaculture systems. <i>Aquacultural Engineering</i> , 2014 , 62, 28-35	3	20
95	Complete Genome of <i>Rhodococcus pyridinivorans</i> SB3094, a Methyl-Ethyl-Ketone-Degrading Bacterium Used for Bioaugmentation. <i>Genome Announcements</i> , 2014 , 2,		9
94	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,		10
93	Preparation and characterization of a temperature-sensitive nonwoven poly (propylene) with antibacterial properties. <i>Journal of the Textile Institute</i> , 2014 , 105, 327-336	1.5	1
92	Quantitative proteomic analysis of ibuprofen-degrading <i>Patulibacter</i> sp. strain I11. <i>Biodegradation</i> , 2013 , 24, 615-30	4.1	53
91	Population dynamics of bacteria involved in enhanced biological phosphorus removal in Danish wastewater treatment plants. <i>Water Research</i> , 2013 , 47, 1529-44	12.5	121
90	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, 2519-26	2.2	18
89	A metabolic model for members of the genus <i>Tetrasphaera</i> involved in enhanced biological phosphorus removal. <i>ISME Journal</i> , 2013 , 7, 543-54	11.9	120
88	Metabolic model for the filamentous <i>Candidatus Microthrix parvicella</i> based on genomic and metagenomic analyses. <i>ISME Journal</i> , 2013 , 7, 1161-72	11.9	71
87	Distribution of grafted β -cyclodextrin in porous particles for bone tissue engineering. <i>Microporous and Mesoporous Materials</i> , 2013 , 168, 132-141	5.3	5
86	Draft Genome Sequence of <i>Nitrosospira</i> sp. Strain APG3, a Psychrotolerant Ammonia-Oxidizing Bacterium Isolated from Sandy Lake Sediment. <i>Genome Announcements</i> , 2013 , 1,		9
85	High and stable substrate specificities of microorganisms in enhanced biological phosphorus removal plants. <i>Environmental Microbiology</i> , 2013 , 15, 1821-31	5.2	28

84	Candidate Halomonas phosphatis: a novel polyphosphate-accumulating organism in full-scale enhanced biological phosphorus removal plants. <i>Environmental Microbiology</i> , 2012 , 14, 2826-37	5.2	54
83	Grafting cyclodextrins to calcium phosphate ceramics for biomedical applications. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2012 , 72, 173-181		7
82	Microbial communities involved in enhanced biological phosphorus removal from wastewater—a model system in environmental biotechnology. <i>Current Opinion in Biotechnology</i> , 2012 , 23, 452-9	11.4	122
81	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	2.9	29
80	Community structure of bacteria and fungi in aerosols of a pig confinement building. <i>FEMS Microbiology Ecology</i> , 2012 , 80, 390-401	4.3	25
79	Identification of triclosan-degrading bacteria using stable isotope probing, fluorescence in situ hybridization and microautoradiography. <i>Microbiology (United Kingdom)</i> , 2012 , 158, 2796-2804	2.9	34
78	Extracellular DNA is abundant and important for microcolony strength in mixed microbial biofilms. <i>Environmental Microbiology</i> , 2011 , 13, 710-21	5.2	111
77	High diversity and abundance of putative polyphosphate-accumulating Tetrasphaera-related bacteria in activated sludge systems. <i>FEMS Microbiology Ecology</i> , 2011 , 76, 256-67	4.3	146
76	Bacterial community structure of a full-scale biofilter treating pig house exhaust air. <i>Systematic and Applied Microbiology</i> , 2011 , 34, 344-52	4.2	29
75	The effect on cardiorespiratory fitness after an 8-week period of commuter cycling—a randomized controlled study in adults. <i>Preventive Medicine</i> , 2011 , 53, 172-7	4.3	40
74	Biodegradation of triclosan and formation of methyl-triclosan in activated sludge under aerobic conditions. <i>Chemosphere</i> , 2011 , 84, 452-6	8.4	120
73	Growth kinetics of hydrogen sulfide oxidizing bacteria in corroded concrete from sewers. <i>Journal of Hazardous Materials</i> , 2011 , 189, 685-91	12.8	29
72	Thaumarchaeotes abundant in refinery nitrifying sludges express amoA but are not obligate autotrophic ammonia oxidizers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 16771-6	11.5	239
71	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, 8595-604	4.8	23
70	Functional Bacterial Amyloids in Biofilms. <i>Springer Series on Biofilms</i> , 2011 , 41-62		7
69	Distribution, ecology and molecular identification of Thioploca from Danish brackish water sediments. <i>FEMS Microbiology Ecology</i> , 2010 , 73, 110-20	4.3	19
68	Functional amyloid in Pseudomonas. <i>Molecular Microbiology</i> , 2010 , 77, 1009-20	4.1	187
67	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, 103-16	1.4	5

66	A conceptual ecosystem model of microbial communities in enhanced biological phosphorus removal plants. <i>Water Research</i> , 2010 , 44, 5070-88	12.5	204
65	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, 117-28	1.4	6
64	Distribution and accessibility of cyclodextrins covalently bound onto silica gel. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010 , 67, 399-405		3
63	Long term/low dose formalin exposure to small-scale recirculation aquaculture systems. <i>Aquacultural Engineering</i> , 2010 , 42, 1-7	3	20
62	Physiology and behaviour of marine Thioploca. <i>ISME Journal</i> , 2009 , 3, 647-57	11.9	54
61	Identity and ecophysiology of filamentous bacteria in activated sludge. <i>FEMS Microbiology Reviews</i> , 2009 , 33, 969-98	15.1	153
60	Peracetic acid degradation and effects on nitrification in recirculating aquaculture systems. <i>Aquaculture</i> , 2009 , 296, 246-254	4.4	88
59	In situ detection of bacteria involved in cathodic depolarization and stainless steel surface corrosion using microautoradiography. <i>Journal of Applied Microbiology</i> , 2008 , 105, 2231-8	4.7	4
58	Quantification of lipids and protein in thin biofilms by fluorescence staining. <i>Biofouling</i> , 2008 , 24, 241-50	3.3	14
57	Characterization of the loosely attached fraction of activated sludge bacteria. <i>Water Research</i> , 2008 , 42, 843-54	12.5	42
56	Mixed carbon sources for nitrate reduction in activated sludge-identification of bacteria and process activity studies. <i>Water Research</i> , 2008 , 42, 1539-46	12.5	82
55	Adhesion characteristics of nitrifying bacteria in activated sludge. <i>Water Research</i> , 2008 , 42, 2814-26	12.5	64
54	Amyloid-like adhesins produced by floc-forming and filamentous bacteria in activated sludge. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 1517-26	4.8	125
53	Method for measuring substrate preferences by individual members of microbial consortia proposed for bioaugmentation. <i>Biodegradation</i> , 2008 , 19, 621-33	4.1	14
52	Ecophysiology of the Actinobacteria in activated sludge systems. <i>Antonie Van Leeuwenhoek</i> , 2008 , 94, 21-33	2.1	57
51	Substrate-dependent denitrification of abundant probe-defined denitrifying bacteria in activated sludge. <i>FEMS Microbiology Ecology</i> , 2008 , 66, 447-61	4.3	66
50	Amyloid adhesins are abundant in natural biofilms. <i>Environmental Microbiology</i> , 2007 , 9, 3077-90	5.2	229
49	Ecophysiology of mycolic acid-containing Actinobacteria (Mycolata) in activated sludge foams. <i>FEMS Microbiology Ecology</i> , 2007 , 61, 174-84	4.3	47

48	Structure and function of the microbial community in a full-scale enhanced biological phosphorus removal plant. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 4061-4073	2.9	139
47	Abundance and ecophysiology of <i>DeFluviicoccus</i> spp., glycogen-accumulating organisms in full-scale wastewater treatment processes. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 178-85	2.9	94
46	Characterization of a simple bacterial consortium for effective treatment of wastewaters with reactive dyes and Cr(VI). <i>Chemosphere</i> , 2007 , 67, 826-31	8.4	82
45	<i>Meganema perideroedes</i> gen. nov., sp. nov., a filamentous alphaproteobacterium from activated sludge. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006 , 56, 1865-1868	2.2	31
44	Cohn's <i>Crenothrix</i> is 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, 2363-7	11.5	196
43	Floc-forming properties of polyphosphate accumulating organisms in activated sludge. <i>Water Science and Technology</i> , 2006 , 54, 257-65	2.2	12
42	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, 479-89	5.2	84
41	The in situ physiology of <i>Skermania piniformis</i> in foams in Australian activated sludge plants. <i>Environmental Microbiology</i> , 2006 , 8, 1712-20	5.2	21
40	Detection of activity among uncultured Actinobacteria in a drinking water reservoir. <i>FEMS Microbiology Ecology</i> , 2006 , 55, 432-8	4.3	30
39	Linking microbial community structure with function: fluorescence in situ hybridization-microautoradiography and isotope arrays. <i>Current Opinion in Biotechnology</i> , 2006 , 17, 83-91	11.4	146
38	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, 4076-85	4.8	218
37	Microbial diversity in biofilms from corroding heating systems. <i>Biofouling</i> , 2005 , 21, 19-29	3.3	20
36	Advances in microscopy: microautoradiography of single cells. <i>Methods in Enzymology</i> , 2005 , 397, 237-56	1.7	38
35	Abundance of actinobacteria and production of geosmin and 2-methylisoborneol in Danish streams and fish ponds. <i>FEMS Microbiology Ecology</i> , 2005 , 52, 265-78	4.3	55
34	Ecophysiology of the filamentous Alphaproteobacterium <i>Meganema perideroedes</i> in activated sludge. <i>FEMS Microbiology Ecology</i> , 2005 , 54, 111-22	4.3	66
33	In situ substrate conversion and assimilation by nitrifying bacteria in a model biofilm. <i>Environmental Microbiology</i> , 2005 , 7, 1392-404	5.2	30
32	The In Situ Physiology of Pine Tree Like Organisms (PTLO) in Activated Sludge Foams. <i>Clean - Soil, Air, Water</i> , 2005 , 33, 203-209		24
31	Control of <i>Microthrix parvicella</i> in Activated Sludge Plants by Dosage of Polyaluminium Salts: Possible Mechanisms. <i>Clean - Soil, Air, Water</i> , 2005 , 33, 255-261		27

30	Microautoradiography: recent advances within the studies of the ecophysiology of bacteria in biofilms. <i>Water Science and Technology</i> , 2005 , 52, 187-194	2.2	29
29	Isotope labeling and microautoradiography of active heterotrophic bacteria on the basis of assimilation of $^{14}\text{CO}_2$. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 646-55	4.8	73
28	Bacterial composition of activated sludge - importance for floc and sludge properties. <i>Water Science and Technology</i> , 2004 , 49, 51-58	2.2	42
27	Microautoradiographic study of Rhodocyclus-related polyphosphate-accumulating bacteria in full-scale enhanced biological phosphorus removal plants. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 5383-90	4.8	158
26	Flow cytometry-assisted cloning of specific sequence motifs from complex 16S rRNA gene libraries. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 7550-4	4.8	11
25	Micromanipulation and further identification of FISH-labelled microcolonies of a dominant denitrifying bacterium in activated sludge. <i>Environmental Microbiology</i> , 2004 , 6, 470-9	5.2	48
24	Variations in microcolony strength of probe-defined bacteria in activated sludge flocs. <i>FEMS Microbiology Ecology</i> , 2004 , 50, 123-32	4.3	39
23	Monitoring and characterisation of bacteria in corroding district heating systems using fluorescence in situ hybridisation and microautoradiography. <i>Water Science and Technology</i> , 2003 , 47, 117-122	2.2	17
22	Use of Microautoradiography to Study in situ Physiology of Bacteria in Biofilms. <i>Reviews in Environmental Science and Biotechnology</i> , 2003 , 2, 261-268	13.9	8
21	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, 202-11	5.2	97
20	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, 641-3	4.8	44
19	Quantification of functional groups in activated sludge by microautoradiography. <i>Water Science and Technology</i> , 2002 , 46, 389-395	2.2	33
18	Microthrix parvicella, a specialized lipid consumer in anaerobic/aerobic activated sludge plants. <i>Water Science and Technology</i> , 2002 , 46, 73-80	2.2	225
17	In situ studies of the phylogeny and physiology of filamentous bacteria with attached growth. <i>Environmental Microbiology</i> , 2002 , 4, 383-91	5.2	46
16	Fluorescence in situ hybridization of 16S rRNA gene clones (Clone-FISH) for probe validation and screening of clone libraries. <i>Environmental Microbiology</i> , 2002 , 4, 713-20	5.2	103
15	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, 4629-36	4.8	86
14	Phylogenetic identification and substrate uptake patterns of sulfate-reducing bacteria inhabiting an oxic-anoxic sewer biofilm determined by combining microautoradiography and fluorescent in situ hybridization. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 356-64	4.8	97
13	Enumeration of acetate-consuming bacteria by microautoradiography under oxygen and nitrate respiring conditions in activated sludge. <i>Water Research</i> , 2002 , 36, 421-8	12.5	44

12	Comparison of methods for determination of microbial biomass in wastewater. <i>Water Research</i> , 2001 , 35, 1649-58	12.5	42
11	In situ characterization of Nitrospira-like nitrite-oxidizing bacteria active in wastewater treatment plants. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 5273-84	4.8	615
10	In situ detection of cell surface hydrophobicity of probe-defined bacteria in activated sludge. <i>Water Science and Technology</i> , 2001 , 43, 97-103	2.2	28
9	Studies on the in situ physiology of Thiothrix spp. present in activated sludge. <i>Environmental Microbiology</i> , 2000 , 2, 389-98	5.2	99
8	Influence of microbial activity on the stability of activated sludge flocs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000 , 18, 145-156	6	74
7	Novel Nitrospira-like bacteria as dominant nitrite-oxidizers in biofilms from wastewater treatment plants: diversity and in situ physiology. <i>Water Science and Technology</i> , 2000 , 41, 85-90	2.2	100
6	Combination of fluorescent in situ hybridization and microautoradiography-a new tool for structure-function analyses in microbial ecology. <i>Applied and Environmental Microbiology</i> , 1999 , 65, 1289-97	4.8	547
5	Microbial Fe(II)-oxidation by nitrate in activated sludge. <i>Water Science and Technology</i> , 1998 , 37, 403	2.2	5
4	Microbial Nitrate-Dependent Oxidation of Ferrous Iron in Activated Sludge. <i>Environmental Science & Technology</i> , 1998 , 32, 3556-3561	10.3	90
3	Microbial Fe(II)-oxidation by nitrate in activated sludge. <i>Water Science and Technology</i> , 1998 , 37, 403-406	2.2	2
2	Resolving the individual contribution of key microbial populations to enhanced biological phosphorus removal with Raman-FISH		1
1	Health benefits of microalgae and their microbiomes. <i>Microbial Biotechnology</i> ,	6.3	1