

Michael Wagner

List of Publications by Year in descending order

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271
papers

46,353
citations

1371

108
h-index

2078

204
g-index

277
all docs

277
docs citations

277
times ranked

30308
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete nitrification by <i>Nitrospira</i> bacteria. <i>Nature</i> , 2015, 528, 504-509.	27.8	1,878
2	Phylogenetic Oligodeoxynucleotide Probes for the Major Subclasses of Proteobacteria: Problems and Solutions. <i>Systematic and Applied Microbiology</i> , 1992, 15, 593-600.	2.8	1,875
3	Sponge-Associated Microorganisms: Evolution, Ecology, and Biotechnological Potential. <i>Microbiology and Molecular Biology Reviews</i> , 2007, 71, 295-347.	6.6	1,254
4	Deciphering the evolution and metabolism of an anammox bacterium from a community genome. <i>Nature</i> , 2006, 440, 790-794.	27.8	1,075
5	Phylogeny of All Recognized Species of Ammonia Oxidizers Based on Comparative 16S rRNA and <i>amoA</i> Sequence Analysis: Implications for Molecular Diversity Surveys. <i>Applied and Environmental Microbiology</i> , 2000, 66, 5368-5382.	3.1	1,013
6	Microbiome definition re-visited: old concepts and new challenges. <i>Microbiome</i> , 2020, 8, 103.	11.1	903
7	Proposal to reclassify the proteobacterial classes Deltaproteobacteria and Oligoflexia, and the phylum Thermodesulfobacteria into four phyla reflecting major functional capabilities. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 5972-6016.	1.7	830
8	<i>Nitrososphaera viennensis</i> , an ammonia oxidizing archaeon from soil. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8420-8425.	7.1	810
9	A <i>Nitrospira</i> metagenome illuminates the physiology and evolution of globally important nitrite-oxidizing bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13479-13484.	7.1	732
10	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.	3.1	718
11	A moderately thermophilic ammonia-oxidizing crenarchaeote from a hot spring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2134-2139.	7.1	626
12	A New Perspective on Microbes Formerly Known as Nitrite-Oxidizing Bacteria. <i>Trends in Microbiology</i> , 2016, 24, 699-712.	7.7	625
13	Oligonucleotide Microarray for 16S rRNA Gene-Based Detection of All Recognized Lineages of Sulfate-Reducing Prokaryotes in the Environment. <i>Applied and Environmental Microbiology</i> , 2002, 68, 5064-5081.	3.1	622
14	Molecular Evidence for a Uniform Microbial Community in Sponges from Different Oceans. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4431-4440.	3.1	621
15	Kinetic analysis of a complete nitrifier reveals an oligotrophic lifestyle. <i>Nature</i> , 2017, 549, 269-272.	27.8	588
16	High-fat diet alters gut microbiota physiology in mice. <i>ISME Journal</i> , 2014, 8, 295-308.	9.8	583
17	<i>daime</i> , a novel image analysis program for microbial ecology and biofilm research. <i>Environmental Microbiology</i> , 2006, 8, 200-213.	3.8	565
18	Microbiology and application of the anaerobic ammonium oxidation (anammox) process. <i>Current Opinion in Biotechnology</i> , 2001, 12, 283-288.	6.6	534

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19	Microbial diversity and the genetic nature of microbial species. <i>Nature Reviews Microbiology</i> , 2008, 6, 431-440.	28.6	521
20	Barcoded Primers Used in Multiplex Amplicon Pyrosequencing Bias Amplification. <i>Applied and Environmental Microbiology</i> , 2011, 77, 7846-7849.	3.1	514
21	The Thaumarchaeota: an emerging view of their phylogeny and ecophysiology. <i>Current Opinion in Microbiology</i> , 2011, 14, 300-306.	5.1	511
22	Zero-valent sulphur is a key intermediate in marine methane oxidation. <i>Nature</i> , 2012, 491, 541-546.	27.8	498
23	Global diversity and biogeography of bacterial communities in wastewater treatment plants. <i>Nature Microbiology</i> , 2019, 4, 1183-1195.	13.3	491
24	Bacterial community composition and function in sewage treatment systems. <i>Current Opinion in Biotechnology</i> , 2002, 13, 218-227.	6.6	488
25	amoA-based consensus phylogeny of ammonia-oxidizing archaea and deep sequencing of amoA genes from soils of four different geographic regions. <i>Environmental Microbiology</i> , 2012, 14, 525-539.	3.8	485
26	Amoebae as Training Grounds for Intracellular Bacterial Pathogens. <i>Applied and Environmental Microbiology</i> , 2005, 71, 20-28.	3.1	452
27	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.	7.1	439
28	Distinct gene set in two different lineages of ammonia-oxidizing archaea supports the phylum Thaumarchaeota. <i>Trends in Microbiology</i> , 2010, 18, 331-340.	7.7	431
29	probeBase—an online resource for rRNA-targeted oligonucleotide probes: new features 2007. <i>Nucleic Acids Research</i> , 2007, 35, D800-D804.	14.5	421
30	The Planctomycetes, Verrucomicrobia, Chlamydiae and sister phyla comprise a superphylum with biotechnological and medical relevance. <i>Current Opinion in Biotechnology</i> , 2006, 17, 241-249.	6.6	405
31	Deep sequencing reveals exceptional diversity and modes of transmission for bacterial sponge symbionts. <i>Environmental Microbiology</i> , 2010, 12, 2070-2082.	3.8	394
32	Illuminating the Evolutionary History of Chlamydiae. <i>Science</i> , 2004, 304, 728-730.	12.6	373
33	probeBase: an online resource for rRNA-targeted oligonucleotide probes. <i>Nucleic Acids Research</i> , 2003, 31, 514-516.	14.5	345
34	Microbial community composition and function in wastewater treatment plants. <i>Antonie Van Leeuwenhoek</i> , 2002, 81, 665-680.	1.7	341
35	The Microbial Community Composition of a Nitrifying-Denitrifying Activated Sludge from an Industrial Sewage Treatment Plant Analyzed by the Full-Cycle rRNA Approach. <i>Systematic and Applied Microbiology</i> , 2002, 25, 84-99.	2.8	338
36	Fluorescence in situ hybridisation for the identification and characterisation of prokaryotes. <i>Current Opinion in Microbiology</i> , 2003, 6, 302-309.	5.1	335

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37	The genome of the ammonia-oxidizing <i>Candidatus Nitrososphaera gargensis</i> : insights into metabolic versatility and environmental adaptations. <i>Environmental Microbiology</i> , 2012, 14, 3122-3145.	3.8	332
38	Biomarkers for In Situ Detection of Anaerobic Ammonium-Oxidizing (Anammox) Bacteria. <i>Applied and Environmental Microbiology</i> , 2005, 71, 1677-1684.	3.1	325
39	Isolation and phylogenetic analysis of bacteria with antimicrobial activities from the Mediterranean sponges <i>Aplysina aerophoba</i> and <i>Aplysina cavernicola</i> . <i>FEMS Microbiology Ecology</i> , 2001, 35, 305-312.	2.7	321
40	AmoA-Targeted Polymerase Chain Reaction Primers for the Specific Detection and Quantification of Comammox <i>Nitrospira</i> in the Environment. <i>Frontiers in Microbiology</i> , 2017, 8, 1508.	3.5	313
41	Multiple Lateral Transfers of Dissimilatory Sulfite Reductase Genes between Major Lineages of Sulfate-Reducing Prokaryotes. <i>Journal of Bacteriology</i> , 2001, 183, 6028-6035.	2.2	309
42	Raman-FISH: combining stable-isotope Raman spectroscopy and fluorescence in situ hybridization for the single cell analysis of identity and function. <i>Environmental Microbiology</i> , 2007, 9, 1878-1889.	3.8	305
43	A "rare biosphere" microorganism contributes to sulfate reduction in a peatland. <i>ISME Journal</i> , 2010, 4, 1591-1602.	9.8	303
44	Community Structure and Activity Dynamics of Nitrifying Bacteria in a Phosphate-Removing Biofilm. <i>Applied and Environmental Microbiology</i> , 2001, 67, 1351-1362.	3.1	297
45	Phylotype-level 16S rRNA analysis reveals new bacterial indicators of health state in acute murine colitis. <i>ISME Journal</i> , 2012, 6, 2091-2106.	9.8	291
46	Biodegradation of synthetic polymers in soils: Tracking carbon into CO ₂ and microbial biomass. <i>Science Advances</i> , 2018, 4, eaas9024.	10.3	284
47	<i>NxrB</i> encoding the beta subunit of nitrite oxidoreductase as functional and phylogenetic marker for nitrite-oxidizing <i>Nitrospira</i> . <i>Environmental Microbiology</i> , 2014, 16, 3055-3071.	3.8	280
48	Discovery of the Novel Candidate Phylum "Poribacteria" in Marine Sponges. <i>Applied and Environmental Microbiology</i> , 2004, 70, 3724-3732.	3.1	275
49	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.	7.1	272
50	Single-Cell Ecophysiology of Microbes as Revealed by Raman Microspectroscopy or Secondary Ion Mass Spectrometry Imaging. <i>Annual Review of Microbiology</i> , 2009, 63, 411-429.	7.3	270
51	16S rRNA and <i>amoA</i> -based phylogeny of 12 novel betaproteobacterial ammonia-oxidizing isolates: extension of the dataset and proposal of a new lineage within the nitrosomonads. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 1485-1494.	1.7	257
52	Who eats what, where and when? Isotope-labelling experiments are coming of age. <i>ISME Journal</i> , 2007, 1, 103-110.	9.8	239
53	Giant viruses with an expanded complement of translation system components. <i>Science</i> , 2017, 356, 82-85.	12.6	234
54	Diversity and abundance of sulfate-reducing microorganisms in the sulfate and methane zones of a marine sediment, Black Sea. <i>Environmental Microbiology</i> , 2007, 9, 131-142.	3.8	233

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55	16S rRNA Gene-Based Oligonucleotide Microarray for Environmental Monitoring of the Betaproteobacterial Order <i>Rhodocyclales</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 1373-1386.	3.1	231
56	Cyanate as an energy source for nitrifiers. <i>Nature</i> , 2015, 524, 105-108.	27.8	231
57	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.	7.1	229
58	16S-23S rDNA intergenic spacer and 23S rDNA of anaerobic ammonium-oxidizing bacteria: implications for phylogeny and in situ detection. <i>Environmental Microbiology</i> , 2001, 3, 450-459.	3.8	227
59	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.	3.1	223
60	New Insights into Metabolic Properties of Marine Bacteria Encoding Proteorhodopsins. <i>PLoS Biology</i> , 2005, 3, e273.	5.6	218
61	Nitrifying and heterotrophic population dynamics in biofilm reactors: effects of hydraulic retention time and the presence of organic carbon. <i>Water Research</i> , 2002, 36, 469-481.	11.3	217
62	Wastewater treatment: a model system for microbial ecology. <i>Trends in Biotechnology</i> , 2006, 24, 483-489.	9.3	216
63	Use of Stable-Isotope Probing, Full-Cycle rRNA Analysis, and Fluorescence In Situ Hybridization-Microautoradiography To Study a Methanol-Fed Denitrifying Microbial Community. <i>Applied and Environmental Microbiology</i> , 2004, 70, 588-596.	3.1	213
64	Host-compound foraging by intestinal microbiota revealed by single-cell stable isotope probing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4720-4725.	7.1	210
65	Nitrite concentration influences the population structure of <i>Nitrospira</i> -like bacteria. <i>Environmental Microbiology</i> , 2006, 8, 1487-1495.	3.8	209
66	Acoustic correlates of information structure. <i>Language and Cognitive Processes</i> , 2010, 25, 1044-1098.	2.2	204
67	In situ characterization of the microbial consortia active in two wastewater treatment plants. <i>Water Research</i> , 1994, 28, 1715-1723.	11.3	196
68	Endosymbiotic sulphate-reducing and sulphide-oxidizing bacteria in an oligochaete worm. <i>Nature</i> , 2001, 411, 298-302.	27.8	196
69	Genomic Encyclopedia of Bacteria and Archaea: Sequencing a Myriad of Type Strains. <i>PLoS Biology</i> , 2014, 12, e1001920.	5.6	190
70	Novel bacterial endosymbionts of <i>Acanthamoeba</i> spp. related to the <i>Paramecium caudatum</i> symbiont <i>Caedibacter caryophilus</i> . <i>Environmental Microbiology</i> , 1999, 1, 357-367.	3.8	189
71	Microarray and Functional Gene Analyses of Sulfate-Reducing Prokaryotes in Low-Sulfate, Acidic Fens Reveal Cooccurrence of Recognized Genera and Novel Lineages. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6998-7009.	3.1	188
72	Combined use of confocal laser scanning microscopy (CLSM) and Raman microscopy (RM): Investigations on EPS "Matrix". <i>Water Research</i> , 2009, 43, 63-76.	11.3	185

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73	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.	9.8	182
74	Rational design of a microbial consortium of mucosal sugar utilizers reduces <i>Clostridiodes difficile</i> colonization. Nature Communications, 2020, 11, 5104.	12.8	177
75	Longitudinal study of murine microbiota activity and interactions with the host during acute inflammation and recovery. ISME Journal, 2014, 8, 1101-1114.	9.8	174
76	Single cell stable isotope probing in microbiology using Raman microspectroscopy. Current Opinion in Biotechnology, 2016, 41, 34-42.	6.6	174
77	Cultivation-Independent, Semiautomatic Determination of Absolute Bacterial Cell Numbers in Environmental Samples by Fluorescence In Situ Hybridization. Applied and Environmental Microbiology, 2001, 67, 5810-5818.	3.1	173
78	Functionally relevant diversity of closely related <i>Nitrospira</i> in activated sludge. ISME Journal, 2015, 9, 643-655.	9.8	172
79	probeCheck – a central resource for evaluating oligonucleotide probe coverage and specificity. Environmental Microbiology, 2008, 10, 2894-2898.	3.8	170
80	An automated Raman-based platform for the sorting of live cells by functional properties. Nature Microbiology, 2019, 4, 1035-1048.	13.3	170
81	Linking microbial community structure with function: fluorescence in situ hybridization-microautoradiography and isotope arrays. Current Opinion in Biotechnology, 2006, 17, 83-91.	6.6	166
82	Growth of nitrite-oxidizing bacteria by aerobic hydrogen oxidation. Science, 2014, 345, 1052-1054.	12.6	166
83	Non-Sulfate-Reducing, Syntrophic Bacteria Affiliated with Desulfotomaculum Cluster I Are Widely Distributed in Methanogenic Environments. Applied and Environmental Microbiology, 2006, 72, 2080-2091.	3.1	165
84	ATP/ADP Translocases: a Common Feature of Obligate Intracellular Amoebal Symbionts Related to Chlamydiae and Rickettsiae. Journal of Bacteriology, 2004, 186, 683-691.	2.2	162
85	Reverse dissimilatory sulfite reductase as phylogenetic marker for a subgroup of sulfur-oxidizing prokaryotes. Environmental Microbiology, 2009, 11, 289-299.	3.8	162
86	Crenarchaeol dominates the membrane lipids of <i>Candidatus</i> Nitrososphaera gargensis, a thermophilic Group I.1b Archaeon. ISME Journal, 2010, 4, 542-552.	9.8	160
87	Double Labeling of Oligonucleotide Probes for Fluorescence In Situ Hybridization (DOPE-FISH) Improves Signal Intensity and Increases rRNA Accessibility. Applied and Environmental Microbiology, 2010, 76, 922-926.	3.1	160
88	Nitrospira. Trends in Microbiology, 2018, 26, 462-463.	7.7	157
89	Lateral Gene Transfer of Dissimilatory (Bi)Sulfite Reductase Revisited. Journal of Bacteriology, 2005, 187, 2203-2208.	2.2	153
90	Bacterial Endosymbionts of Free-Living Amoebae ¹ . Journal of Eukaryotic Microbiology, 2004, 51, 509-514.	1.7	149

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91	Widespread soil bacterium that oxidizes atmospheric methane. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8515-8524.	7.1	149
92	<i>Crenothrix</i> are major methane consumers in stratified lakes. ISME Journal, 2017, 11, 2124-2140.	9.8	146
93	Structure and activity of multiple nitrifying bacterial populations co-existing in a biofilm. Environmental Microbiology, 2003, 5, 355-369.	3.8	145
94	Selective enrichment and molecular characterization of a previously uncultured Nitrospira-like bacterium from activated sludge. Environmental Microbiology, 2006, 8, 405-415.	3.8	143
95	Towards a nondestructive chemical characterization of biofilm matrix by Raman microscopy. Analytical and Bioanalytical Chemistry, 2009, 393, 197-206.	3.7	142
96	The Genome of the Amoeba Symbiont <i>Candidatus</i> Amoebophilus asiaticus Reveals Common Mechanisms for Host Cell Interaction among Amoeba-Associated Bacteria. Journal of Bacteriology, 2010, 192, 1045-1057.	2.2	138
97	<i>Nitrotoga</i> -like bacteria are previously unrecognized key nitrite oxidizers in full-scale wastewater treatment plants. ISME Journal, 2015, 9, 708-720.	9.8	135
98	Phylogenetic Diversity among Geographically Dispersed <i>Chlamydiales</i> Endosymbionts Recovered from Clinical and Environmental Isolates of <i>Acanthamoeba</i> spp. Applied and Environmental Microbiology, 2000, 66, 2613-2619.	3.1	132
99	Optical coherence tomography in biofilm research: A comprehensive review. Biotechnology and Bioengineering, 2017, 114, 1386-1402.	3.3	131
100	Resolving the individual contribution of key microbial populations to enhanced biological phosphorus removal with Raman-FISH. ISME Journal, 2019, 13, 1933-1946.	9.8	130
101	Investigation of the mesoscale structure and volumetric features of biofilms using optical coherence tomography. Biotechnology and Bioengineering, 2010, 107, 844-853.	3.3	128
102	Diversity and mode of transmission of ammonia-oxidizing archaea in marine sponges. Environmental Microbiology, 2008, 10, 1087-1094.	3.8	127
103	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
104	Filamentous <i>Epsilonproteobacteria</i> Dominate Microbial Mats from Sulfidic Cave Springs. Applied and Environmental Microbiology, 2003, 69, 5503-5511.	3.1	125
105	Low yield and abiotic origin of N ₂ O formed by the complete nitrifier Nitrospira inopinata. Nature Communications, 2019, 10, 1836.	12.8	123
106	Monitoring the community structure of wastewater treatment plants: a comparison of old and new techniques. FEMS Microbiology Ecology, 1998, 25, 205-215.	2.7	122
107	Community Analysis of Ammonia and Nitrite Oxidizers during Start-Up of Nitrification Reactors. Applied and Environmental Microbiology, 2003, 69, 3213-3222.	3.1	122
108	The Lithoautotrophic Ammonia-Oxidizing Bacteria. , 2006, , 778-811.		121

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109	Back to the Future of Soil Metagenomics. <i>Frontiers in Microbiology</i> , 2016, 7, 73.	3.5	120
110	Biology of a widespread uncultivated archaeon that contributes to carbon fixation in the subsurface. <i>Nature Communications</i> , 2014, 5, 5497.	12.8	119
111	Phylogenetic Analysis of and Oligonucleotide Probe Development for Eikelboom Type 021N Filamentous Bacteria Isolated from Bulking Activated Sludge. <i>Applied and Environmental Microbiology</i> , 2000, 66, 5043-5052.	3.1	118
112	A Vista for Microbial Ecology and Environmental Biotechnology. <i>Environmental Science & Technology</i> , 2006, 40, 1096-1103.	10.0	118
113	<i>Ottowia thiooxydans</i> gen. nov., sp. nov., a novel facultatively anaerobic, N ₂ O-producing bacterium isolated from activated sludge, and transfer of <i>Aquaspirillum gracile</i> to <i>Hylemonella gracilis</i> gen. nov., comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 99-106.	1.7	117
114	Diversity of sulfate-reducing bacteria from an extreme hypersaline sediment, Great Salt Lake (Utah). <i>FEMS Microbiology Ecology</i> , 2007, 60, 287-298.	2.7	117
115	Evolutionary history of the genus <i>Listeria</i> and its virulence genes. <i>Systematic and Applied Microbiology</i> , 2005, 28, 1-18.	2.8	116
116	Roadmap for naming uncultivated Archaea and Bacteria. <i>Nature Microbiology</i> , 2020, 5, 987-994.	13.3	115
117	Quantification of Target Molecules Needed To Detect Microorganisms by Fluorescence In Situ Hybridization (FISH) and Catalyzed Reporter Deposition-FISH. <i>Applied and Environmental Microbiology</i> , 2008, 74, 5068-5077.	3.1	114
118	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, .	4.1	112
119	<i>Ammonia</i> -oxidising archaea living at low pH: Insights from comparative genomics. <i>Environmental Microbiology</i> , 2017, 19, 4939-4952.	3.8	107
120	Microbial nitrogen limitation in the mammalian large intestine. <i>Nature Microbiology</i> , 2018, 3, 1441-1450.	13.3	107
121	Members of the <i>Cytophaga</i> – <i>Flavobacterium</i> – <i>Bacteroides</i> phylum as intracellular bacteria of <i>acanthamoebae</i> : proposal of <i>Candidatus</i> <i>Amoebophilus asiaticus</i> ™. <i>Environmental Microbiology</i> , 2001, 3, 440-449.	3.8	106
122	Rapid Transfer of Plant Photosynthates to Soil Bacteria via Ectomycorrhizal Hyphae and Its Interaction With Nitrogen Availability. <i>Frontiers in Microbiology</i> , 2019, 10, 168.	3.5	106
123	Various bacterial pathogens and symbionts infect the amoeba <i>Dictyostelium discoideum</i> . <i>International Journal of Medical Microbiology</i> , 2002, 291, 615-624.	3.6	105
124	Advancements in the application of NanoSIMS and Raman microspectroscopy to investigate the activity of microbial cells in soils. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv106.	2.7	105
125	Abiotic Conversion of Extracellular NH ₂ OH Contributes to N ₂ O Emission during Ammonia Oxidation. <i>Environmental Science & Technology</i> , 2017, 51, 13122-13132.	10.0	104
126	Long-distance electron transport in individual, living cable bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5786-5791.	7.1	104

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127	Cyanate and urea are substrates for nitrification by Thaumarchaeota in the marine environment. <i>Nature Microbiology</i> , 2019, 4, 234-243.	13.3	103
128	Environmental genomics reveals a functional chlorite dismutase in the nitrite-oxidizing bacterium <i>Candidatus Nitrospira defluvi</i> ™. <i>Environmental Microbiology</i> , 2008, 10, 3043-3056.	3.8	102
129	The Genus <i>Caedibacter</i> Comprises Endosymbionts of <i>Paramecium</i> spp. Related to the <i>Rickettsiales</i> (<i>Alphaproteobacteria</i>) and to <i>Francisella tularensis</i> () Tj ETQq1 1 0.784314 rgBTj,Overlock100 Tf 50.6	1.0	100
130	Improved 16S rRNA-targeted probe set for analysis of sulfate-reducing bacteria by fluorescence in situ hybridization. <i>Journal of Microbiological Methods</i> , 2007, 69, 523-528.	1.6	98
131	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.	3.1	97
132	Related assemblages of sulphate-reducing bacteria associated with ultradeep gold mines of South Africa and deep basalt aquifers of Washington State. <i>Environmental Microbiology</i> , 2003, 5, 267-277.	3.8	96
133	Ammonia-oxidizing archaea possess a wide range of cellular ammonia affinities. <i>ISME Journal</i> , 2022, 16, 272-283.	9.8	96
134	A candidate NAD ⁺ transporter in an intracellular bacterial symbiont related to Chlamydiae. <i>Nature</i> , 2004, 432, 622-625.	27.8	95
135	Unravelling Microbial Communities with DNA-Microarrays: Challenges and Future Directions. <i>Microbial Ecology</i> , 2007, 53, 498-506.	2.8	95
136	Quantification of uncultured microorganisms by fluorescence microscopy and digital image analysis. <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 237-248.	3.6	95
137	Ecophysiology of an uncultivated lineage of Aigarchaeota from an oxic, hot spring filamentous "streamer"™ community. <i>ISME Journal</i> , 2016, 10, 210-224.	9.8	94
138	Label-Free in Situ SERS Imaging of Biofilms. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10184-10194.	2.6	93
139	Diversity of Bacterial Endosymbionts of Environmental <i>Acanthamoeba</i> Isolates. <i>Applied and Environmental Microbiology</i> , 2008, 74, 5822-5831.	3.1	92
140	Givenness and Locality. <i>Semantics and Linguistic Theory</i> , 0, 16, 295.	0.0	90
141	Raman microspectroscopy reveals long-term extracellular activity of chlamydiae. <i>Molecular Microbiology</i> , 2010, 77, 687-700.	2.5	89
142	Characterization of activated sludge flocs by confocal laser scanning microscopy and image analysis. <i>Water Research</i> , 2003, 37, 2043-2052.	11.3	88
143	<i>Malikia granosa</i> gen. nov., sp. nov., a novel polyhydroxyalkanoate- and polyphosphate-accumulating bacterium isolated from activated sludge, and reclassification of <i>Pseudomonas spinosa</i> as <i>Malikia spinosa</i> comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 621-629.	1.7	88
144	<i>Candidatus Protochlamydia amoebophila</i> ™, an endosymbiont of <i>Acanthamoeba</i> spp.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1863-1866.	1.7	88

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145	NanoSIMS combined with fluorescence microscopy as a tool for subcellular imaging of isotopically labeled platinum-based anticancer drugs. <i>Chemical Science</i> , 2014, 5, 3135-3143.	7.4	87
146	Functional Marker Genes for Identification of Sulfate-Reducing Prokaryotes. <i>Methods in Enzymology</i> , 2005, 397, 469-489.	1.0	86
147	Isotope array analysis of <i>Rhodocyclales</i> uncovers functional redundancy and versatility in an activated sludge. <i>ISME Journal</i> , 2009, 3, 1349-1364.	9.8	86
148	New trends in fluorescence in situ hybridization for identification and functional analyses of microbes. <i>Current Opinion in Biotechnology</i> , 2012, 23, 96-102.	6.6	86
149	â€œCandidatus Thiobios zoothermophilus, an Ectosymbiotic Bacterium Covering the Giant Marine Ciliate <i>Zoothamnium niveum</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 2014-2021.	3.1	84
150	Enrichment and Genome Sequence of the Group I.1a Ammonia-Oxidizing Archaeon â€œCa. Nitrosotenuis uzonensisâ€œRepresenting a Clade Globally Distributed in Thermal Habitats. <i>PLoS ONE</i> , 2013, 8, e80835.	2.5	84
151	Cometabolic biotransformation and microbial-mediated abiotic transformation of sulfonamides by three ammonia oxidizers. <i>Water Research</i> , 2019, 159, 444-453.	11.3	83
152	Focus and givenness: a unified approach. , 2012, , 102-147.		80
153	Structural and functional characterisation of the chlorite dismutase from the nitrite-oxidizing bacterium â€œCandidatus Nitrospira defluviâ€œ Identification of a catalytically important amino acid residue. <i>Journal of Structural Biology</i> , 2010, 172, 331-342.	2.8	79
154	Prosody and recursion in coordinate structures and beyond. <i>Natural Language and Linguistic Theory</i> , 2010, 28, 183-237.	1.0	78
155	Chlamydia-like bacteria in respiratory samples of community-acquired pneumonia patients. <i>FEMS Microbiology Letters</i> , 2008, 281, 198-202.	1.8	76
156	Unexpected Diversity of Chlorite Dismutases: a Catalytically Efficient Dimeric Enzyme from <i>Nitrobacter winogradskyi</i> . <i>Journal of Bacteriology</i> , 2011, 193, 2408-2417.	2.2	76
157	A nanoscale secondary ion mass spectrometry study of dinoflagellate functional diversity in reef-building corals. <i>Environmental Microbiology</i> , 2015, 17, 3570-3580.	3.8	76
158	Time-resolved biofilm deformation measurements using optical coherence tomography. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1893-1905.	3.3	76
159	Cultivation and Genomic Analysis of â€œCandidatus Nitrosocaldus islandicus, an Obligately Thermophilic, Ammonia-Oxidizing Thaumarchaeon from a Hot Spring Biofilm in Graendalur Valley, Iceland. <i>Frontiers in Microbiology</i> , 2018, 9, 193.	3.5	76
160	Detection and Differentiation of Chlamydiae by Fluorescence In Situ Hybridization. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4081-4089.	3.1	75
161	<i>Paracatenula</i> , an ancient symbiosis between thiotrophic <i>Alphaproteobacteria</i> and catenulid flatworms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12078-12083.	7.1	75
162	Recovery of an environmental chlamydia strain from activated sludge by co-cultivation with <i>Acanthamoeba</i> sp.. <i>Microbiology (United Kingdom)</i> , 2005, 151, 301-309.	1.8	73

#	ARTICLE	IF	CITATIONS
163	Chloroflexi bacteria are more diverse, abundant, and similar in high than in low microbial abundance sponges. FEMS Microbiology Ecology, 2011, 78, 497-510.	2.7	73
164	Complete Genome Sequences of Desulfosporosinus orientis DSM765 ^T , Desulfosporosinus youngiae DSM17734 ^T , Desulfosporosinus meridiei DSM13257 ^T , and Desulfosporosinus acidiphilus DSM22704 ^T. Journal of Bacteriology, 2012, 194, 6300-6301.	2.2	73
165	Capturing the genetic makeup of the active microbiome <i>in situ</i>. ISME Journal, 2017, 11, 1949-1963.	9.8	73
166	Optical coherence tomography for the in situ three-dimensional visualization and quantification of feed spacer channel fouling in reverse osmosis membrane modules. Journal of Membrane Science, 2016, 498, 345-352.	8.2	72
167	Oxidation of Inorganic Nitrogen Compounds as an Energy Source. , 2006, , 457-495.		69
168	Tapping the nucleotide pool of the host: novel nucleotide carrier proteins of Protochlamydia amoebophila. Molecular Microbiology, 2006, 60, 1534-1545.	2.5	69
169	Revisiting N ₂ fixation in Guerrero Negro intertidal microbial mats with a functional single-cell approach. ISME Journal, 2015, 9, 485-496.	9.8	69
170	Isolation and properties of obligately chemolithoautotrophic and extremely alkali-tolerant ammonia-oxidizing bacteria from Mongolian soda lakes. Archives of Microbiology, 2001, 176, 170-177.	2.2	68
171	Biotransformation of Two Pharmaceuticals by the Ammonia-Oxidizing Archaeon <i>Nitrososphaera gargensis</i>. Environmental Science & Technology, 2016, 50, 4682-4692.	10.0	68
172	Ammonia Monooxygenase-Mediated Cometary Biotransformation and Hydroxylamine-Mediated Abiotic Transformation of Micropollutants in an AOB/NOB Coculture. Environmental Science & Technology, 2018, 52, 9196-9205.	10.0	68
173	Evidence for additional genus-level diversity of Chlamydiales in the environment. FEMS Microbiology Letters, 2001, 204, 71-74.	1.8	67
174	Single cell analyses reveal contrasting life strategies of the two main nitrifiers in the ocean. Nature Communications, 2020, 11, 767.	12.8	67
175	Determination of mechanical properties of biofilms by modelling the deformation measured using optical coherence tomography. Water Research, 2018, 145, 588-598.	11.3	65
176	Modern scientific methods and their potential in wastewater science and technology. Water Research, 2002, 36, 370-393.	11.3	64
177	Archaeal nitrification is constrained by copper complexation with organic matter in municipal wastewater treatment plants. ISME Journal, 2020, 14, 335-346.	9.8	62
178	Origins and diversification of sulfate-respiring microorganisms. Antonie Van Leeuwenhoek, 2002, 81, 189-195.	1.7	59
179	Expansion of <i>Thaumarchaeota</i> habitat range is correlated with horizontal transfer of ATPase operons. ISME Journal, 2019, 13, 3067-3079.	9.8	59
180	Raman microspectroscopy for microbiology. Nature Reviews Methods Primers, 2021, 1, .	21.2	57

#	ARTICLE	IF	CITATIONS
181	Substrate uptake in extremely halophilic microbial communities revealed by microautoradiography and fluorescence in situ hybridization. <i>Extremophiles</i> , 2003, 7, 409-413.	2.3	56
182	Nucleic acid-based, cultivation-independent detection of <i>Listeria</i> spp. and genotypes of <i>L. monocytogenes</i> . <i>FEMS Immunology and Medical Microbiology</i> , 2003, 35, 215-225.	2.7	54
183	The inhibitory effects of reject water on nitrifying populations grown at different biofilm thickness. <i>Water Research</i> , 2016, 104, 292-302.	11.3	54
184	Exploring the upper pH limits of nitrite oxidation: diversity, ecophysiology, and adaptive traits of haloalkalitolerant <i>Nitrospira</i> . <i>ISME Journal</i> , 2020, 14, 2967-2979.	9.8	52
185	Characterization of a thaumarchaeal symbiont that drives incomplete nitrification in the tropical sponge <i>Lanthella basta</i> . <i>Environmental Microbiology</i> , 2019, 21, 3831-3854.	3.8	50
186	Microorganisms with Novel Dissimilatory (Bi)Sulfite Reductase Genes Are Widespread and Part of the Core Microbiota in Low-Sulfate Peatlands. <i>Applied and Environmental Microbiology</i> , 2011, 77, 1231-1242.	3.1	49
187	Bacteriocyte-associated gammaproteobacterial symbionts of the <i>Adelges nordmannianae/piceae</i> complex (Hemiptera: Adelgidae). <i>ISME Journal</i> , 2012, 6, 384-396.	9.8	49
188	Focus, topic, and word order: A compositional view. , 2009, , 53-86.		48
189	A Straightforward DOPE (Double Labeling of Oligonucleotide Probes)-FISH (Fluorescence In Situ Hybridization) Method for the Detection of <i>Escherichia coli</i> O157:H7 in Food Samples. <i>Applied and Environmental Microbiology</i> , 2012, 78, 5138-5142.	3.1	48
190	<i>In vivo</i> imaging of coral tissue and skeleton with optical coherence tomography. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20161003.	3.4	48
191	Oligonucleotide microarray for identification of <i>Enterococcus</i> species. <i>FEMS Microbiology Letters</i> , 2005, 246, 133-142.	1.8	47
192	Specific Micropollutant Biotransformation Pattern by the Comammox Bacterium <i>Nitrospira inopinata</i> . <i>Environmental Science & Technology</i> , 2019, 53, 8695-8705.	10.0	46
193	Phylogeny and in situ identification of a morphologically conspicuous bacterium, <i>Candidatus Magnospira bakii</i> , present at very low frequency in activated sludge. <i>Environmental Microbiology</i> , 1999, 1, 125-135.	3.8	45
194	An <i>Acanthamoeba</i> sp. containing two phylogenetically different bacterial endosymbionts. <i>Environmental Microbiology</i> , 2007, 9, 1604-1609.	3.8	45
195	Raman microscopy and surface-enhanced Raman scattering (SERS) for in situ analysis of biofilms. <i>Journal of Biophotonics</i> , 2010, 3, 548-556.	2.3	45
196	Association by movement: evidence from NPI-licensing. <i>Natural Language Semantics</i> , 2007, 14, 297-324.	0.6	44
197	Composition and activity of nitrifier communities in soil are unresponsive to elevated temperature and CO ₂ , but strongly affected by drought. <i>ISME Journal</i> , 2020, 14, 3038-3053.	9.8	43
198	Optofluidic Raman-activated cell sorting for targeted genome retrieval or cultivation of microbial cells with specific functions. <i>Nature Protocols</i> , 2021, 16, 634-676.	12.0	41

#	ARTICLE	IF	CITATIONS
199	Intestinal Epithelial Cell Tyrosine Kinase 2 Transduces IL-22 Signals To Protect from Acute Colitis. <i>Journal of Immunology</i> , 2015, 195, 5011-5024.	0.8	40
200	Type I interferons have opposing effects during the emergence and recovery phases of colitis. <i>European Journal of Immunology</i> , 2014, 44, 2749-2760.	2.9	39
201	Interaction with Ribosomal Proteins Accompanies Stress Induction of the Anticancer Metalloprotein BOLD-100/KP1339 in the Endoplasmic Reticulum. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5063-5068.	13.8	39
202	<i>Lawsonia intracellularis</i> Contains a Gene Encoding a Functional Rickettsia-Like ATP/ADP Translocase for Host Exploitation. <i>Journal of Bacteriology</i> , 2008, 190, 5746-5752.	2.2	37
203	Surface-enhanced Raman spectroscopy of microorganisms: limitations and applicability on the single-cell level. <i>Analyst</i> , 2019, 144, 943-953.	3.5	37
204	Intracellular Vesicles as Reproduction Elements in Cell Wall-Deficient L-Form Bacteria. <i>PLoS ONE</i> , 2012, 7, e38514.	2.5	36
205	In-situ monitoring and quantification of fouling development in membrane distillation by means of optical coherence tomography. <i>Journal of Membrane Science</i> , 2019, 577, 145-152.	8.2	36
206	High genetic similarity between two geographically distinct strains of the sulfur-oxidizing symbiont <i>Candidatus Thiobios zoothermophilus</i> . <i>FEMS Microbiology Ecology</i> , 2009, 67, 229-241.	2.7	35
207	NanoSIMS and tissue autoradiography reveal symbiont carbon fixation and organic carbon transfer to giant ciliate host. <i>ISME Journal</i> , 2018, 12, 714-727.	9.8	35
208	Indications for enzymatic denitrification to N ₂ O at low pH in an ammonia-oxidizing archaeon. <i>ISME Journal</i> , 2019, 13, 2633-2638.	9.8	35
209	Online assessment of biofilm development, sloughing and forced detachment in tube reactor by means of magnetic resonance microscopy. <i>Biotechnology and Bioengineering</i> , 2010, 107, 172-181.	3.3	34
210	Inclusion Membrane Proteins of <i>Protochlamydia amoebophila</i> UWE25 Reveal a Conserved Mechanism for Host Cell Interaction among the <i>Chlamydiae</i> . <i>Journal of Bacteriology</i> , 2010, 192, 5093-5102.	2.2	33
211	Transcriptomic Response of <i>Nitrosomonas europaea</i> Transitioned from Ammonia- to Oxygen-Limited Steady-State Growth. <i>MSystems</i> , 2020, 5, .	3.8	33
212	Membrane Lipid Composition of the Moderately Thermophilic Ammonia-Oxidizing Archaeon <i>Candidatus Nitrosotenuis uzonensis</i> at Different Growth Temperatures. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	31
213	In Situ Techniques and Digital Image Analysis Methods for Quantifying Spatial Localization Patterns of Nitrifiers and Other Microorganisms in Biofilm and Flocs. <i>Methods in Enzymology</i> , 2011, 496, 185-215.	1.0	30
214	Assessing the influence of biofilm surface roughness on mass transfer by combining optical coherence tomography and two-dimensional modeling. <i>Biotechnology and Bioengineering</i> , 2016, 113, 989-1000.	3.3	29
215	Sulfate is transported at significant rates through the symbiosome membrane and is crucial for nitrogenase biosynthesis. <i>Plant, Cell and Environment</i> , 2019, 42, 1180-1189.	5.7	29
216	Genomic insights into diverse bacterial taxa that degrade extracellular DNA in marine sediments. <i>Nature Microbiology</i> , 2021, 6, 885-898.	13.3	29

#	ARTICLE	IF	CITATIONS
217	34. Phonological Evidence in Syntax. , 2015, , 1154-1198.		28
218	From an extremophilic community to an electroautotrophic production strain: identifying a novel <i>Knallgas</i> bacterium as cathodic biofilm biocatalyst. ISME Journal, 2020, 14, 1125-1140.	9.8	28
219	Contrastive topics decomposed. Semantics and Pragmatics, 0, 5, .	0.6	28
220	Comprehensive in silico prediction and analysis of chlamydial outer membrane proteins reflects evolution and life style of the Chlamydiae. BMC Genomics, 2009, 10, 634.	2.8	27
221	Genomic and kinetic analysis of novel Nitrospinae enriched by cell sorting. ISME Journal, 2021, 15, 732-745.	9.8	23
222	Water quality and daily temperature cycle affect biofilm formation in drip irrigation devices revealed by optical coherence tomography. Biofouling, 2017, 33, 211-221.	2.2	22
223	Exploring flow-biofilm-sediment interactions: Assessment of current status and future challenges. Water Research, 2020, 185, 116182.	11.3	22
224	Monitoring and quantification of bioelectrochemical <i>Kyrpidia spormannii</i> biofilm development in a novel flow cell setup. Chemical Engineering Journal, 2020, 390, 124604.	12.7	20
225	Microbial conservation in the Anthropocene. Environmental Microbiology, 2018, 20, 1925-1928.	3.8	19
226	Recently photoassimilated carbon and fungusâ€delivered nitrogen are spatially correlated in the ectomycorrhizal tissue of <i>Fagus sylvatica</i> . New Phytologist, 2021, 232, 2457-2474.	7.3	19
227	Systematic Spatial Bias in DNA Microarray Hybridization Is Caused by Probe Spot Position-Dependent Variability in Lateral Diffusion. PLoS ONE, 2011, 6, e23727.	2.5	18
228	Machine-assisted cultivation and analysis of biofilms. Scientific Reports, 2019, 9, 8933.	3.3	18
229	Modeling Formamide Denaturation of Probe-Target Hybrids for Improved Microarray Probe Design in Microbial Diagnostics. PLoS ONE, 2012, 7, e43862.	2.5	16
230	Poetic rhyme reflects cross-linguistic differences in information structure. Cognition, 2010, 117, 166-175.	2.2	14
231	Relative clause extraposition and prosody in German. Natural Language and Linguistic Theory, 2016, 34, 1021-1066.	1.0	14
232	Morphological analysis of pore size and connectivity in a thick mixedâ€culture biofilm. Biotechnology and Bioengineering, 2018, 115, 2268-2279.	3.3	14
233	Flow-through stable isotope probing (Flow-SIP) minimizes cross-feeding in complex microbial communities. ISME Journal, 2021, 15, 348-353.	9.8	14
234	Nano-scale imaging of dual stable isotope labeled oxaliplatin in human colon cancer cells reveals the nucleolus as a putative node for therapeutic effect. Nanoscale Advances, 2021, 3, 249-262.	4.6	14

#	ARTICLE	IF	CITATIONS
235	Raman-based sorting of microbial cells to link functions to their genes. <i>Microbial Cell</i> , 2020, 7, 62-65.	3.2	14
236	Proteomic analysis of the outer membrane of <i>Protochlamydia amoebophila</i> elementary bodies. <i>Proteomics</i> , 2010, 10, 4363-4376.	2.2	13
237	Draft Genome Sequence of <i>Telmatospirillum siberiense</i> 26-4b1, an Acidotolerant Peatland Alphaproteobacterium Potentially Involved in Sulfur Cycling. <i>Genome Announcements</i> , 2018, 6, .	0.8	13
238	Intonation, & yes; and & no;. <i>Glossa</i> , 2018, 3, .	0.5	13
239	Molecular strategies for studies of natural populations of sulphate-reducing microorganisms. , 2007, , 39-116.		12
240	Proteomic analysis reveals a virtually complete set of proteins for translation and energy generation in elementary bodies of the amoeba symbiont <i>Protochlamydia amoebophila</i> . <i>Proteomics</i> , 2011, 11, 1868-1892.	2.2	12
241	Chlamydial endocytobionts of free-living amoebae differentially affect the growth rate of their hosts. <i>European Journal of Protistology</i> , 2004, 40, 57-60.	1.5	11
242	Cyanate is a low abundance but actively cycled nitrogen compound in soil. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	11
243	Low biosorption of PVA coated engineered magnetic nanoparticles in granular sludge assessed by magnetic susceptibility. <i>Science of the Total Environment</i> , 2015, 537, 43-50.	8.0	10
244	Transport and retention of artificial and real wastewater particles inside a bed of settled aerobic granular sludge assessed applying magnetic resonance imaging. <i>Water Research X</i> , 2020, 7, 100050.	6.1	10
245	Anaerobic Sulfur Oxidation Underlies Adaptation of a Chemosynthetic Symbiont to Oxic-Anoxic Interfaces. <i>MSystems</i> , 2021, 6, e0118620.	3.8	10
246	Modelling the influence of total suspended solids on E. coli removal in river water. <i>Water Science and Technology</i> , 2016, 73, 1320-1332.	2.5	8
247	A givenness illusion. <i>Language and Cognitive Processes</i> , 2012, 27, 1433-1458.	2.2	7
248	Accessibility is no alternative to alternatives. <i>Language, Cognition and Neuroscience</i> , 2015, 30, 212-233.	1.2	7
249	Prosodic prominence shifts are anaphoric. <i>Journal of Memory and Language</i> , 2017, 92, 305-326.	2.1	7
250	An open-source robotic platform that enables automated monitoring of replicate biofilm cultivations using optical coherence tomography. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 18.	6.4	7
251	Sensitivity and specificity of the antigen-based anterior nasal self-testing programme for detecting SARS-CoV-2 infection in schools, Austria, March 2021. <i>Eurosurveillance</i> , 2021, 26, .	7.0	7
252	Quantification of particulate matter attached to the bulk-biofilm interface and its influence on local mass transfer. <i>Separation and Purification Technology</i> , 2018, 197, 86-94.	7.9	6

#	ARTICLE	IF	CITATIONS
253	Enrichment of phosphate-accumulating organisms (PAOs) in a microfluidic model biofilm system by mimicking a typical aerobic granular sludge feast/famine regime. Applied Microbiology and Biotechnology, 2022, 106, 1313-1324.	3.6	6
254	In situ detection of a virulence factor mRNA and 16S rRNA in <i>Listeria monocytogenes</i> . FEMS Microbiology Letters, 1998, 160, 159-168.	1.8	5
255	Reconstructing the syntax of focus operators. Semantics and Pragmatics, 2018, 11, 1.	0.6	5
256	[23] Assessment of metabolic potential of biofilm-associated bacteria. Methods in Enzymology, 2001, 336, 265-IN9.	1.0	4
257	The community level: physiology and interactions of prokaryotes in the wilderness. Environmental Microbiology, 2005, 7, 483-485.	3.8	4
258	Automated 3D Optical Coherence Tomography to Elucidate Biofilm Morphogenesis Over Large Spatial Scales. Journal of Visualized Experiments, 2019, , .	0.3	4
259	North American // both darkens and lightens depending on morphological constituency and segmental context. Laboratory Phonology, 2018, 9, 13.	0.6	4
260	Information Structure and Production Planning. , 2015, , .		3
261	Processing relative clauses across comprehension and production: similarities and differences. Language, Cognition and Neuroscience, 2019, 34, 170-189.	1.2	3
262	Two-dimensional parsing of the acoustic stream explains the lambicâ€™Trochaic Law.. Psychological Review, 2022, 129, 268-288.	3.8	3
263	NPI-Licensing and Focus Movement. Semantics and Linguistic Theory, 0, 15, 276.	0.0	3
264	Do you reckon it's normally distributed?. Science of the Total Environment, 2016, 548-549, 408-409.	8.0	2
265	Die Wechselwirkung mit ribosomalen Proteinen begleitet die Stressinduktion des Wirkstoffkandidaten BOLDâ€™100/KP1339 im endoplasmatischen Retikulum. Angewandte Chemie, 2021, 133, 5121-5126.	2.0	2
266	On-Line Monitoring of Biofilm Accumulation on Graphite-Polypropylene Electrode Material Using a Heat Transfer Sensor. Biosensors, 2022, 12, 18.	4.7	2
267	Acoustic Correlates of Focus Marking in Czech and Polish. Language and Speech, 2019, 62, 358-377.	1.1	1
268	Investigation of Biofilm Growth within a Monodisperse Porous Medium under Fluctuating Water Level Assessed by Means of MRI. Water (Switzerland), 2021, 13, 2456.	2.7	1
269	How to be kind with prosody. , 0, , .		1
270	Apparent diffusion coefficients in sewer force main biofilms treated with iron salts. Environmental Science: Water Research and Technology, 2018, 4, 1501-1510.	2.4	0

#	ARTICLE	IF	CITATIONS
271	Acoustic classification of focus: On the web and in the lab. <i>Laboratory Phonology</i> , 2017, 8, 16.	0.6	0