

Michael Wagner

List of Publications by Year in descending order

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Version: 2024-02-01

271
papers

46,353
citations

1368

108
h-index

2071

204
g-index

277
all docs

277
docs citations

277
times ranked

30308
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional parsing of the acoustic stream explains the lambicâ€™Trochaic Law.. Psychological Review, 2022, 129, 268-288.	2.7	3
2	Ammonia-oxidizing archaea possess a wide range of cellular ammonia affinities. ISME Journal, 2022, 16, 272-283.	4.4	96
3	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.	1.7	6
4	On-Line Monitoring of Biofilm Accumulation on Graphite-Polypropylene Electrode Material Using a Heat Transfer Sensor. Biosensors, 2022, 12, 18.	2.3	2
5	Optofluidic Raman-activated cell sorting for targeted genome retrieval or cultivation of microbial cells with specific functions. Nature Protocols, 2021, 16, 634-676.	5.5	41
6	Genomic and kinetic analysis of novel Nitrospinae enriched by cell sorting. ISME Journal, 2021, 15, 732-745.	4.4	23
7	Flow-through stable isotope probing (Flow-SIP) minimizes cross-feeding in complex microbial communities. ISME Journal, 2021, 15, 348-353.	4.4	14
8	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.	2.2	14
9	Die Wechselwirkung mit ribosomalen Proteinen begleitet die Stressinduktion des Wirkstoffkandidaten BOLDâ€™100/KP1339 im endoplasmatischen Retikulum. Angewandte Chemie, 2021, 133, 5121-5126.	1.6	2
10	Interaction with Ribosomal Proteins Accompanies Stress Induction of the Anticancer Metallodrug BOLDâ€™100/KP1339 in the Endoplasmic Reticulum. Angewandte Chemie - International Edition, 2021, 60, 5063-5068.	7.2	39
11	Anaerobic Sulfur Oxidation Underlies Adaptation of a Chemosynthetic Symbiont to Oxic-Anoxic Interfaces. MSystems, 2021, 6, e0118620.	1.7	10
12	Genomic insights into diverse bacterial taxa that degrade extracellular DNA in marine sediments. Nature Microbiology, 2021, 6, 885-898.	5.9	29
13	Cyanate is a low abundance but actively cycled nitrogen compound in soil. Communications Earth & Environment, 2021, 2, .	2.6	11
14	Sensitivity and specificity of the antigen-based anterior nasal self-testing programme for detecting SARS-CoV-2 infection in schools, Austria, March 2021. Eurosurveillance, 2021, 26, .	3.9	7
15	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.	3.5	19
16	Investigation of Biofilm Growth within a Monodisperse Porous Medium under Fluctuating Water Level Assessed by Means of MRI. Water (Switzerland), 2021, 13, 2456.	1.2	1
17	Raman microspectroscopy for microbiology. Nature Reviews Methods Primers, 2021, 1, .	11.8	57
18	Archaeal nitrification is constrained by copper complexation with organic matter in municipal wastewater treatment plants. ISME Journal, 2020, 14, 335-346.	4.4	62

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19	Rational design of a microbial consortium of mucosal sugar utilizers reduces <i>Clostridiodes difficile</i> colonization. <i>Nature Communications</i> , 2020, 11, 5104.	5.8	177
20	Exploring flow-biofilm-sediment interactions: Assessment of current status and future challenges. <i>Water Research</i> , 2020, 185, 116182.	5.3	22
21	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.	4.4	43
22	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.	4.4	52
23	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.	2.8	10
24	Monitoring and quantification of bioelectrochemical <i>Kyrpidia spormannii</i> biofilm development in a novel flow cell setup. <i>Chemical Engineering Journal</i> , 2020, 390, 124604.	6.6	20
25	Roadmap for naming uncultivated Archaea and Bacteria. <i>Nature Microbiology</i> , 2020, 5, 987-994.	5.9	115
26	Microbiome definition re-visited: old concepts and new challenges. <i>Microbiome</i> , 2020, 8, 103.	4.9	903
27	Single cell analyses reveal contrasting life strategies of the two main nitrifiers in the ocean. <i>Nature Communications</i> , 2020, 11, 767.	5.8	67
28	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.	2.9	7
29	Transcriptomic Response of <i>Nitrosomonas europaea</i> Transitioned from Ammonia- to Oxygen-Limited Steady-State Growth. <i>MSystems</i> , 2020, 5, .	1.7	33
30	From an extremophilic community to an electroautotrophic production strain: identifying a novel <i>Knallgas</i> bacterium as cathodic biofilm biocatalyst. <i>ISME Journal</i> , 2020, 14, 1125-1140.	4.4	28
31	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.	0.8	830
32	Raman-based sorting of microbial cells to link functions to their genes. <i>Microbial Cell</i> , 2020, 7, 62-65.	1.4	14
33	Acoustic Correlates of Focus Marking in Czech and Polish. <i>Language and Speech</i> , 2019, 62, 358-377.	0.6	1
34	Processing relative clauses across comprehension and production: similarities and differences. <i>Language, Cognition and Neuroscience</i> , 2019, 34, 170-189.	0.7	3
35	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, .	1.4	31
36	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

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37	Specific Micropollutant Biotransformation Pattern by the Comammox Bacterium <i>Nitrospira inopinata</i> . <i>Environmental Science & Technology</i> , 2019, 53, 8695-8705.	4.6	46
38	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.	1.8	50
39	Machine-assisted cultivation and analysis of biofilms. <i>Scientific Reports</i> , 2019, 9, 8933.	1.6	18
40	Expansion of <i>Thaumarchaeota</i> habitat range is correlated with horizontal transfer of ATPase operons. <i>ISME Journal</i> , 2019, 13, 3067-3079.	4.4	59
41	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.	1.5	106
42	Indications for enzymatic denitrification to N ₂ O at low pH in an ammonia-oxidizing archaeon. <i>ISME Journal</i> , 2019, 13, 2633-2638.	4.4	35
43	Cometabolic biotransformation and microbial-mediated abiotic transformation of sulfonamides by three ammonia oxidizers. <i>Water Research</i> , 2019, 159, 444-453.	5.3	83
44	Global diversity and biogeography of bacterial communities in wastewater treatment plants. <i>Nature Microbiology</i> , 2019, 4, 1183-1195.	5.9	491
45	Low yield and abiotic origin of N ₂ O formed by the complete nitrifier <i>Nitrospira inopinata</i> . <i>Nature Communications</i> , 2019, 10, 1836.	5.8	123
46	An automated Raman-based platform for the sorting of live cells by functional properties. <i>Nature Microbiology</i> , 2019, 4, 1035-1048.	5.9	170
47	Widespread soil bacterium that oxidizes atmospheric methane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8515-8524.	3.3	149
48	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
49	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.	4.1	36
50	Automated 3D Optical Coherence Tomography to Elucidate Biofilm Morphogenesis Over Large Spatial Scales. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	4
51	Surface-enhanced Raman spectroscopy of microorganisms: limitations and applicability on the single-cell level. <i>Analyst</i> , 2019, 144, 943-953.	1.7	37
52	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.	2.8	29
53	Cyanate and urea are substrates for nitrification by <i>Thaumarchaeota</i> in the marine environment. <i>Nature Microbiology</i> , 2019, 4, 234-243.	5.9	103
54	<i>Nitrospira</i> . <i>Trends in Microbiology</i> , 2018, 26, 462-463.	3.5	157

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55	Microbial conservation in the Anthropocene. <i>Environmental Microbiology</i> , 2018, 20, 1925-1928.	1.8	19
56	NanoSIMS and tissue autoradiography reveal symbiont carbon fixation and organic carbon transfer to giant ciliate host. <i>ISME Journal</i> , 2018, 12, 714-727.	4.4	35
57	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
58	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.	3.9	6
59	Microbial nitrogen limitation in the mammalian large intestine. <i>Nature Microbiology</i> , 2018, 3, 1441-1450.	5.9	107
60	Apparent diffusion coefficients in sewer force main biofilms treated with iron salts. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1501-1510.	1.2	0
61	Determination of mechanical properties of biofilms by modelling the deformation measured using optical coherence tomography. <i>Water Research</i> , 2018, 145, 588-598.	5.3	65
62	Morphological analysis of pore size and connectivity in a thick mixed-culture biofilm. <i>Biotechnology and Bioengineering</i> , 2018, 115, 2268-2279.	1.7	14
63	Biodegradation of synthetic polymers in soils: Tracking carbon into CO ₂ and microbial biomass. <i>Science Advances</i> , 2018, 4, eaas9024.	4.7	284
64	Cultivation and Genomic Analysis of <i>Candidatus Nitrosocaldus islandicus</i> , an Obligately Thermophilic, Ammonia-Oxidizing Thaumarchaeon from a Hot Spring Biofilm in Graendalur Valley, Iceland. <i>Frontiers in Microbiology</i> , 2018, 9, 193.	1.5	76
65	Characterization of the First <i>Candidatus Nitrotoga</i> Isolate Reveals Metabolic Versatility and Separate Evolution of Widespread Nitrite-Oxidizing Bacteria. <i>MBio</i> , 2018, 9, .	1.8	112
66	Ammonia Monooxygenase-Mediated Cometary Biotransformation and Hydroxylamine-Mediated Abiotic Transformation of Micropollutants in an AOB/NOB Coculture. <i>Environmental Science & Technology</i> , 2018, 52, 9196-9205.	4.6	68
67	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.	3.3	104
68	Reconstructing the syntax of focus operators. <i>Semantics and Pragmatics</i> , 2018, 11, 1.	0.4	5
69	Intonation, &i>yes&i> and &i>no&i>. <i>Glossa</i> , 2018, 3, .	0.2	13
70	North American /l/ both darkens and lightens depending on morphological constituency and segmental context. <i>Laboratory Phonology</i> , 2018, 9, 13.	0.3	4
71	Water quality and daily temperature cycle affect biofilm formation in drip irrigation devices revealed by optical coherence tomography. <i>Biofouling</i> , 2017, 33, 211-221.	0.8	22
72	Optical coherence tomography in biofilm research: A comprehensive review. <i>Biotechnology and Bioengineering</i> , 2017, 114, 1386-1402.	1.7	131

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73	<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.	1.5	48
74	Cultivation and characterization of <i>Candidatus Nitrosocosmicus exaquare</i> , an ammonia-oxidizing archaeon from a municipal wastewater treatment system. <i>ISME Journal</i> , 2017, 11, 1142-1157.	4.4	182
75	Capturing the genetic makeup of the active microbiome <i>in situ</i> . <i>ISME Journal</i> , 2017, 11, 1949-1963.	4.4	73
76	<i>Crenothrix</i> are major methane consumers in stratified lakes. <i>ISME Journal</i> , 2017, 11, 2124-2140.	4.4	146
77	Giant viruses with an expanded complement of translation system components. <i>Science</i> , 2017, 356, 82-85.	6.0	234
78	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.	4.6	104
79	Kinetic analysis of a complete nitrifier reveals an oligotrophic lifestyle. <i>Nature</i> , 2017, 549, 269-272.	13.7	588
80	Ammonia-oxidising archaea living at low pH: Insights from comparative genomics. <i>Environmental Microbiology</i> , 2017, 19, 4939-4952.	1.8	107
81	Prosodic prominence shifts are anaphoric. <i>Journal of Memory and Language</i> , 2017, 92, 305-326.	1.1	7
82	AmoA-Targeted Polymerase Chain Reaction Primers for the Specific Detection and Quantification of Comammox Nitrospira in the Environment. <i>Frontiers in Microbiology</i> , 2017, 8, 1508.	1.5	313
83	Acoustic classification of focus: On the web and in the lab. <i>Laboratory Phonology</i> , 2017, 8, 16.	0.3	0
84	Back to the Future of Soil Metagenomics. <i>Frontiers in Microbiology</i> , 2016, 7, 73.	1.5	120
85	Modelling the influence of total suspended solids on E. coli removal in river water. <i>Water Science and Technology</i> , 2016, 73, 1320-1332.	1.2	8
86	Do you reckon it's normally distributed?. <i>Science of the Total Environment</i> , 2016, 548-549, 408-409.	3.9	2
87	Biotransformation of Two Pharmaceuticals by the Ammonia-Oxidizing Archaeon <i>Nitrososphaera gargensis</i> . <i>Environmental Science & Technology</i> , 2016, 50, 4682-4692.	4.6	68
88	Single cell stable isotope probing in microbiology using Raman microspectroscopy. <i>Current Opinion in Biotechnology</i> , 2016, 41, 34-42.	3.3	174
89	The inhibitory effects of reject water on nitrifying populations grown at different biofilm thickness. <i>Water Research</i> , 2016, 104, 292-302.	5.3	54
90	A New Perspective on Microbes Formerly Known as Nitrite-Oxidizing Bacteria. <i>Trends in Microbiology</i> , 2016, 24, 699-712.	3.5	625

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91	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.	1.7	29
92	Relative clause extraposition and prosody in German. <i>Natural Language and Linguistic Theory</i> , 2016, 34, 1021-1066.	0.6	14
93	Optical coherence tomography for the in situ three-dimensional visualization and quantification of feed spacer channel fouling in reverse osmosis membrane modules. <i>Journal of Membrane Science</i> , 2016, 498, 345-352.	4.1	72
94	Ecophysiology of an uncultivated lineage of Aigarchaeota from an oxic, hot spring filamentous streamer community. <i>ISME Journal</i> , 2016, 10, 210-224.	4.4	94
95	A nanoscale secondary ion mass spectrometry study of dinoflagellate functional diversity in reef-building corals. <i>Environmental Microbiology</i> , 2015, 17, 3570-3580.	1.8	76
96	Time-resolved biofilm deformation measurements using optical coherence tomography. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1893-1905.	1.7	76
97	Information Structure and Production Planning. , 2015, , .		3
98	Accessibility is no alternative to alternatives. <i>Language, Cognition and Neuroscience</i> , 2015, 30, 212-233.	0.7	7
99	34. Phonological Evidence in Syntax. , 2015, , 1154-1198.		28
100	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.	3.9	10
101	<i>Nitrotoga</i> -like bacteria are previously unrecognized key nitrite oxidizers in full-scale wastewater treatment plants. <i>ISME Journal</i> , 2015, 9, 708-720.	4.4	135
102	Cyanate as an energy source for nitrifiers. <i>Nature</i> , 2015, 524, 105-108.	13.7	231
103	Intestinal Epithelial Cell Tyrosine Kinase 2 Transduces IL-22 Signals To Protect from Acute Colitis. <i>Journal of Immunology</i> , 2015, 195, 5011-5024.	0.4	40
104	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.	1.3	105
105	Complete nitrification by <i>Nitrospira</i> bacteria. <i>Nature</i> , 2015, 528, 504-509.	13.7	1,878
106	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
107	Functionally relevant diversity of closely related <i>Nitrospira</i> in activated sludge. <i>ISME Journal</i> , 2015, 9, 643-655.	4.4	172
108	Revisiting N ₂ fixation in Guerrero Negro intertidal microbial mats with a functional single-cell approach. <i>ISME Journal</i> , 2015, 9, 485-496.	4.4	69

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109	Genomic Encyclopedia of Bacteria and Archaea: Sequencing a Myriad of Type Strains. <i>PLoS Biology</i> , 2014, 12, e1001920.	2.6	190
110	Biology of a widespread uncultivated archaeon that contributes to carbon fixation in the subsurface. <i>Nature Communications</i> , 2014, 5, 5497.	5.8	119
111	Type I interferons have opposing effects during the emergence and recovery phases of colitis. <i>European Journal of Immunology</i> , 2014, 44, 2749-2760.	1.6	39
112	<i>nxB</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.	1.8	280
113	High-fat diet alters gut microbiota physiology in mice. <i>ISME Journal</i> , 2014, 8, 295-308.	4.4	583
114	Longitudinal study of murine microbiota activity and interactions with the host during acute inflammation and recovery. <i>ISME Journal</i> , 2014, 8, 1101-1114.	4.4	174
115	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.	3.7	87
116	Growth of nitrite-oxidizing bacteria by aerobic hydrogen oxidation. <i>Science</i> , 2014, 345, 1052-1054.	6.0	166
117	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.	3.3	210
118	Enrichment and Genome Sequence of the Group I.1a Ammonia-Oxidizing Archaeon <i>Nitrosotenuis uzonensis</i> Representing a Clade Globally Distributed in Thermal Habitats. <i>PLoS ONE</i> , 2013, 8, e80835.	1.1	84
119	Bacteriocyte-associated gammaproteobacterial symbionts of the <i>Adelges nordmannianae/piceae</i> complex (Hemiptera: Adelgidae). <i>ISME Journal</i> , 2012, 6, 384-396.	4.4	49
120	Complete Genome Sequences of <i>Desulfosporosinus orientis</i> DSM765, <i>Desulfosporosinus youngiae</i> DSM17734, <i>Desulfosporosinus meridiei</i> DSM13257, and <i>Desulfosporosinus acidiphilus</i> DSM22704. <i>Journal of Bacteriology</i> , 2012, 194, 6300-6301.	1.0	73
121	A givenness illusion. <i>Language and Cognitive Processes</i> , 2012, 27, 1433-1458.	2.3	7
122	A Straightforward DOPE (Double Labeling of Oligonucleotide Probes)-FISH (Fluorescence In Situ Hybridization) Assay for Simultaneous Detection of Multiple Bacterial Species. <i>Applied and Environmental Microbiology</i> , 2012, 78, 5138-5142.	1.4	48
123	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.	1.8	332
124	Zero-valent sulphur is a key intermediate in marine methane oxidation. <i>Nature</i> , 2012, 491, 541-546.	13.7	498
125	Intracellular Vesicles as Reproduction Elements in Cell Wall-Deficient L-Form Bacteria. <i>PLoS ONE</i> , 2012, 7, e38514.	1.1	36
126	Focus and givenness: a unified approach. , 2012, , 102-147.		80

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127	Phylotype-level 16S rRNA analysis reveals new bacterial indicators of health state in acute murine colitis. ISME Journal, 2012, 6, 2091-2106.	4.4	291
128	New trends in fluorescence in situ hybridization for identification and functional analyses of microbes. Current Opinion in Biotechnology, 2012, 23, 96-102.	3.3	86
129	<i>amoA</i> -based consensus phylogeny of ammonia-oxidizing archaea and deep sequencing of <i>amoA</i> genes from soils of four different geographic regions. Environmental Microbiology, 2012, 14, 525-539.	1.8	485
130	Modeling Formamide Denaturation of Probe-Target Hybrids for Improved Microarray Probe Design in Microbial Diagnostics. PLoS ONE, 2012, 7, e43862.	1.1	16
131	Barcoded Primers Used in Multiplex Amplicon Pyrosequencing Bias Amplification. Applied and Environmental Microbiology, 2011, 77, 7846-7849.	1.4	514
132	In Situ Techniques and Digital Image Analysis Methods for Quantifying Spatial Localization Patterns of Nitrifiers and Other Microorganisms in Biofilm and Flocs. Methods in Enzymology, 2011, 496, 185-215.	0.4	30
133	The Thaumarchaeota: an emerging view of their phylogeny and ecophysiology. Current Opinion in Microbiology, 2011, 14, 300-306.	2.3	511
134	Systematic Spatial Bias in DNA Microarray Hybridization Is Caused by Probe Spot Position-Dependent Variability in Lateral Diffusion. PLoS ONE, 2011, 6, e23727.	1.1	18
135	Chloroflexi bacteria are more diverse, abundant, and similar in high than in low microbial abundance sponges. FEMS Microbiology Ecology, 2011, 78, 497-510.	1.3	73
136	<i>Nitrososphaera viennensis</i> , an ammonia oxidizing archaeon from soil. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8420-8425.	3.3	810
137	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> . Proteomics, 2011, 11, 1868-1892.	1.3	12
138	Microorganisms with Novel Dissimilatory (Bi)Sulfite Reductase Genes Are Widespread and Part of the Core Microbiota in Low-Sulfate Peatlands. Applied and Environmental Microbiology, 2011, 77, 1231-1242.	1.4	49
139	Thaumarchaeotes abundant in refinery nitrifying sludges express <i>amoA</i> but are not obligate autotrophic ammonia oxidizers. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16771-16776.	3.3	272
140	Unexpected Diversity of Chlorite Dismutases: a Catalytically Efficient Dimeric Enzyme from <i>Nitrobacter winogradskyi</i> . Journal of Bacteriology, 2011, 193, 2408-2417.	1.0	76
141	<i>Paracatenula</i> , an ancient symbiosis between thiotrophic <i>Alphaproteobacteria</i> and catenulid flatworms. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12078-12083.	3.3	75
142	Deep sequencing reveals exceptional diversity and modes of transmission for bacterial sponge symbionts. Environmental Microbiology, 2010, 12, 2070-2082.	1.8	394
143	Prosody and recursion in coordinate structures and beyond. Natural Language and Linguistic Theory, 2010, 28, 183-237.	0.6	78
144	Poetic rhyme reflects cross-linguistic differences in information structure. Cognition, 2010, 117, 166-175.	1.1	14

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145	Raman microscopy and surface-enhanced Raman scattering (SERS) for in situ analysis of biofilms. <i>Journal of Biophotonics</i> , 2010, 3, 548-556.	1.1	45
146	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.	1.7	34
147	Investigation of the mesoscale structure and volumetric features of biofilms using optical coherence tomography. <i>Biotechnology and Bioengineering</i> , 2010, 107, 844-853.	1.7	128
148	Proteomic analysis of the outer membrane of <i>Protochlamydia amoebophila</i> elementary bodies. <i>Proteomics</i> , 2010, 10, 4363-4376.	1.3	13
149	Raman microspectroscopy reveals long-term extracellular activity of chlamydiae. <i>Molecular Microbiology</i> , 2010, 77, 687-700.	1.2	89
150	Crenarchaeol dominates the membrane lipids of <i>Candidatus Nitrososphaera gargensis</i> , a thermophilic Group I.1b Archaeon. <i>ISME Journal</i> , 2010, 4, 542-552.	4.4	160
151	A "rare biosphere" microorganism contributes to sulfate reduction in a peatland. <i>ISME Journal</i> , 2010, 4, 1591-1602.	4.4	303
152	Double Labeling of Oligonucleotide Probes for Fluorescence <i>In Situ</i> Hybridization (DOPE-FISH) Improves Signal Intensity and Increases rRNA Accessibility. <i>Applied and Environmental Microbiology</i> , 2010, 76, 922-926.	1.4	160
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