Michael Wagner

List of Publications by Year
in descending order

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305	59,041	668	1109
papers	citations	122 h-index	231 g-index

368	368	368	32539
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ammonia-oxidizing archaea possess a wide range of cellular ammonia affinities. ISME Journal, 2022, 16, 272-283.	4.4	96
2	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
3	The novel genus, â€˜Candidatus Phosphoribacterâ€™, previously identified as Tetrasphaera, is the dominant polyphosphate accumulating lineage in EBPR wastewater treatment plants worldwide. ISME Journal, 2022, 16, 1605-1616.	4.4	41
4	SRS-FISH: A high-throughput platform linking microbiome metabolism to identity at the single-cell level. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	17
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	Albumin-targeting of an oxaliplatin-releasing platinum(<scp>iv</scp>) prodrug results in pronounced anticancer activity due to endocytotic drug uptake in vivo. Chemical Science, 2021, 12, 12587-12599.	3.7	24
9	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
10	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
11	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
12	Innentitelbild: Die Wechselwirkung mit ribosomalen Proteinen begleitet die Stressinduktion des Wirkstoffkandidaten BOLDâ€100/KP1339 im endoplasmatischen Retikulum (Angew. Chem. 10/2021). Angewandte Chemie, 2021, 133, 5006-5006.	1.6	0
13	Anaerobic Sulfur Oxidation Underlies Adaptation of a Chemosynthetic Symbiont to Oxic-Anoxic Interfaces. MSystems, 2021, 6, e0118620.	1.7	10
14	Prevalence of RT-qPCR-detected SARS-CoV-2 infection at schools: First results from the Austrian School-SARS-CoV-2 prospective cohort study. Lancet Regional Health - Europe, The, 2021, 5, 100086.	3.0	33
15	Genomic insights into diverse bacterial taxa that degrade extracellular DNA in marine sediments. Nature Microbiology, 2021, 6, 885-898.	5.9	29
16	Cyanate is a low abundance but actively cycled nitrogen compound in soil. Communications Earth & Environment, 2021, 2, .	2.6	11
17	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
18	Recently photoassimilated carbon and fungusâ€delivered nitrogen are spatially correlated in the ectomycorrhizal tissue of Fagus sylvatica. New Phytologist, 2021, 232, 2457-2474.	3.5	19

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19	Novel Alcaligenes ammonioxydans sp. nov. from wastewater treatment sludge oxidizes ammonia to <scp>N₂</scp> with a previously unknown pathway. Environmental Microbiology, 2021, 23, 6965-6980.	1.8	33
20	Raman microspectroscopy for microbiology. Nature Reviews Methods Primers, 2021, 1, .	11.8	57
21	Nitrogen Kinetic Isotope Effects of Nitrification by the Complete Ammonia Oxidizer Nitrospira inopinata. MSphere, 2021, 6, e0063421.	1.3	3
22	Archaeal nitrification is constrained by copper complexation with organic matter in municipal wastewater treatment plants. ISME Journal, 2020, 14, 335-346.	4.4	62
23	Rational design of a microbial consortium of mucosal sugar utilizers reduces Clostridiodes difficile colonization. Nature Communications, 2020, 11, 5104.	5.8	177
24	A refined set of rRNA-targeted oligonucleotide probes for in situ detection and quantification of ammonia-oxidizing bacteria. Water Research, 2020, 186, 116372.	5.3	19
25	Composition and activity of nitrifier communities in soil are unresponsive to elevated temperature and CO2, but strongly affected by drought. ISME Journal, 2020, 14, 3038-3053.	4.4	43
26	Exploring the upper pH limits of nitrite oxidation: diversity, ecophysiology, and adaptive traits of haloalkalitolerant Nitrospira. ISME Journal, 2020, 14, 2967-2979.	4.4	52
27	Roadmap for naming uncultivated Archaea and Bacteria. Nature Microbiology, 2020, 5, 987-994.	5.9	115
28	Microbiome definition re-visited: old concepts and new challenges. Microbiome, 2020, 8, 103.	4.9	903
29	Single cell analyses reveal contrasting life strategies of the two main nitrifiers in the ocean. Nature Communications, 2020, 11, 767.	5.8	67
30	Transcriptomic Response of Nitrosomonas europaea Transitioned from Ammonia- to Oxygen-Limited Steady-State Growth. MSystems, 2020, 5, .	1.7	33
31	Proposal to reclassify the proteobacterial classes Deltaproteobacteria and Oligoflexia, and the phylum Thermodesulfobacteria into four phyla reflecting major functional capabilities. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 5972-6016.	0.8	830
32	Raman-based sorting of microbial cells to link functions to their genes. Microbial Cell, 2020, 7, 62-65.	1.4	14
33	Membrane Lipid Composition of the Moderately Thermophilic Ammonia-Oxidizing Archaeon â€œ Candidatus Nitrosotenuis uzonensisâ€•at Different Growth Temperatures. Applied and Environmental Microbiology, 2019, 85, .	1.4	31
34	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.	3.3	127
35	Specific Micropollutant Biotransformation Pattern by the Comammox Bacterium Nitrospira inopinata. Environmental Science & Technology, 2019, 53, 8695-8705.	4.6	46
36	Characterization of a thaumarchaeal symbiont that drives incomplete nitrification in the tropical spongeIanthella basta. Environmental Microbiology, 2019, 21, 3831-3854.	1.8	50

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37	Machine-assisted cultivation and analysis of biofilms. Scientific Reports, 2019, 9, 8933.	1.6	18
38	Expansion of Thaumarchaeota habitat range is correlated with horizontal transfer of ATPase operons. ISME Journal, 2019, 13, 3067-3079.	4.4	59
39	Rapid Transfer of Plant Photosynthates to Soil Bacteria via Ectomycorrhizal Hyphae and Its Interaction With Nitrogen Availability. Frontiers in Microbiology, 2019, 10, 168.	1.5	106
40	Indications for enzymatic denitrification to N2O at low pH in an ammonia-oxidizing archaeon. ISME Journal, 2019, 13, 2633-2638.	4.4	35
41	Cometabolic biotransformation and microbial-mediated abiotic transformation of sulfonamides by three ammonia oxidizers. Water Research, 2019, 159, 444-453.	5.3	83
42	Global diversity and biogeography of bacterial communities in wastewater treatment plants. Nature Microbiology, 2019, 4, 1183-1195.	5.9	491
43	Low yield and abiotic origin of N2O formed by the complete nitrifier Nitrospira inopinata. Nature Communications, 2019, 10, 1836.	5.8	123
44	An automated Raman-based platform for the sorting of live cells by functional properties. Nature Microbiology, 2019, 4, 1035-1048.	5.9	170
45	Widespread soil bacterium that oxidizes atmospheric methane. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8515-8524.	3.3	149
46	Resolving the individual contribution of key microbial populations to enhanced biological phosphorus removal with Ramanâ€“FISH. ISME Journal, 2019, 13, 1933-1946.	4.4	130
47	Surface-enhanced Raman spectroscopy of microorganisms: limitations and applicability on the single-cell level. Analyst, The, 2019, 144, 943-953.	1.7	37
48	Sulfate is transported at significant rates through the symbiosome membrane and is crucial for nitrogenase biosynthesis. Plant, Cell and Environment, 2019, 42, 1180-1189.	2.8	29
49	Cyanate and urea are substrates for nitrification by Thaumarchaeota in the marine environment. Nature Microbiology, 2019, 4, 234-243.	5.9	103
50	Nitrospira. Trends in Microbiology, 2018, 26, 462-463.	3.5	157
51	Microbial conservation in the Anthropocene. Environmental Microbiology, 2018, 20, 1925-1928.	1.8	19
52	NanoSIMS and tissue autoradiography reveal symbiont carbon fixation and organic carbon transfer to giant ciliate host. ISME Journal, 2018, 12, 714-727.	4.4	35
53	Draft Genome Sequence of Telmatospirillum siberiense 26-4b1, an Acidotolerant Peatland Alphaproteobacterium Potentially Involved in Sulfur Cycling. Genome Announcements, 2018, 6, .	0.8	13
54	Microbial nitrogen limitation in the mammalian large intestine. Nature Microbiology, 2018, 3, 1441-1450.	5.9	107

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55	Biodegradation of synthetic polymers in soils: Tracking carbon into CO ₂ and microbial biomass. Science Advances, 2018, 4, eaas9024.	4.7	284
56	Cultivation and Genomic Analysis of â€œCandidatus Nitrosocaldus islandicus,â€•an Obligately Thermophilic, Ammonia-Oxidizing Thaumarchaeon from a Hot Spring Biofilm in Graendalur Valley, Iceland. Frontiers in Microbiology, 2018, 9, 193.	1.5	76
57	Characterization of the First â€œ Candidatus Nitrotogaâ€•Isolate Reveals Metabolic Versatility and Separate Evolution of Widespread Nitrite-Oxidizing Bacteria. MBio, 2018, 9, .	1.8	112
58	Ammonia Monooxygenase-Mediated Cometabolic Biotransformation and Hydroxylamine-Mediated Abiotic Transformation of Micropollutants in an AOB/NOB Coculture. Environmental Science & Technology, 2018, 52, 9196-9205.	4.6	68
59	Long-distance electron transport in individual, living cable bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5786-5791.	3.3	104
60	Cultivation and characterization of Candidatus Nitrosocosmicus exaquare, an ammonia-oxidizing archaeon from a municipal wastewater treatment system. ISME Journal, 2017, 11, 1142-1157.	4.4	182
61	Capturing the genetic makeup of the active microbiome in situ. ISME Journal, 2017, 11, 1949-1963.	4.4	73
62	Crenothrix are major methane consumers in stratified lakes. ISME Journal, 2017, 11, 2124-2140.	4.4	146
63	Giant viruses with an expanded complement of translation system components. Science, 2017, 356, 82-85.	6.0	234
64	Abiotic Conversion of Extracellular NH₂OH Contributes to N₂O Emission during Ammonia Oxidation. Environmental Science & Technology, 2017, 51, 13122-13132.	4.6	104
65	Kinetic analysis of a complete nitrifier reveals an oligotrophic lifestyle. Nature, 2017, 549, 269-272.	13.7	588
66	Ammoniaâ€oxidising archaea living at low pH: Insights from comparative genomics. Environmental Microbiology, 2017, 19, 4939-4952.	1.8	107
67	AmoA-Targeted Polymerase Chain Reaction Primers for the Specific Detection and Quantification of Comammox Nitrospira in the Environment. Frontiers in Microbiology, 2017, 8, 1508.	1.5	313
68	Back to the Future of Soil Metagenomics. Frontiers in Microbiology, 2016, 7, 73.	1.5	120
69	Biotransformation of Two Pharmaceuticals by the Ammonia-Oxidizing Archaeon Nitrososphaera gargensis. Environmental Science & Technology, 2016, 50, 4682-4692.	4.6	68
70	Single cell stable isotope probing in microbiology using Raman microspectroscopy. Current Opinion in Biotechnology, 2016, 41, 34-42.	3.3	174
71	The inhibitory effects of reject water on nitrifying populations grown at different biofilm thickness. Water Research, 2016, 104, 292-302.	5.3	54
72	A New Perspective on Microbes Formerly Known as Nitrite-Oxidizing Bacteria. Trends in Microbiology, 2016, 24, 699-712.	3.5	625

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73	Multi-scale imaging of anticancer platinum(<scp>iv</scp>) compounds in murine tumor and kidney. Chemical Science, 2016, 7, 3052-3061.	3.7	36
74	Ecophysiology of an uncultivated lineage of Aigarchaeota from an oxic, hot spring filamentous â€˜streamerâ€™ community. ISME Journal, 2016, 10, 210-224.	4.4	94
75	A nanoscale secondary ion mass spectrometry study of dinoflagellate functional diversity in reefâ€building corals. Environmental Microbiology, 2015, 17, 3570-3580.	1.8	76
76	Intestinal Microbiota Signatures Associated with Inflammation History in Mice Experiencing Recurring Colitis. Frontiers in Microbiology, 2015, 6, 1408.	1.5	106
77	Tracking heavy water (D ₂ O) incorporation for identifying and sorting active microbial cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E194-203.	3.3	359
78	Nitrotoga-like bacteria are previously unrecognized key nitrite oxidizers in full-scale wastewater treatment plants. ISME Journal, 2015, 9, 708-720.	4.4	135
79	Inhibitory Effects of C ₂ to C ₁₀ 1-Alkynes on Ammonia Oxidation in Two Nitrososphaera Species. Applied and Environmental Microbiology, 2015, 81, 1942-1948.	1.4	55
80	Cyanate as an energy source for nitrifiers. Nature, 2015, 524, 105-108.	13.7	231
81	Conductive consortia. Nature, 2015, 526, 513-514.	13.7	12
82	Intestinal Epithelial Cell Tyrosine Kinase 2 Transduces IL-22 Signals To Protect from Acute Colitis. Journal of Immunology, 2015, 195, 5011-5024.	0.4	40
83	Endosymbionts escape dead hydrothermal vent tubeworms to enrich the free-living population. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11300-11305.	3.3	58
84	Advancements in the application of NanoSIMS and Raman microspectroscopy to investigate the activity of microbial cells in soils. FEMS Microbiology Ecology, 2015, 91, fiv106.	1.3	105
85	Complete nitrification by Nitrospira bacteria. Nature, 2015, 528, 504-509.	13.7	1,878
86	Expanded metabolic versatility of ubiquitous nitrite-oxidizing bacteria from the genus Nitrospira. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11371-11376.	3.3	439
87	Functionally relevant diversity of closely related Nitrospira in activated sludge. ISME Journal, 2015, 9, 643-655.	4.4	172
88	Revisiting N2 fixation in Guerrero Negro intertidal microbial mats with a functional single-cell approach. ISME Journal, 2015, 9, 485-496.	4.4	69
89	Genomic Encyclopedia of Bacteria and Archaea: Sequencing a Myriad of Type Strains. PLoS Biology, 2014, 12, e1001920.	2.6	190
90	Biology of a widespread uncultivated archaeon that contributes to carbon fixation in the subsurface. Nature Communications, 2014, 5, 5497.	5.8	119

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91	Type I interferons have opposing effects during the emergence and recovery phases of colitis. European Journal of Immunology, 2014, 44, 2749-2760.	1.6	39
92	<scp>NxrB</scp> encoding the beta subunit of nitrite oxidoreductase as functional and phylogenetic marker for nitriteâ€oxidizing <scp>N</scp>itrospira. Environmental Microbiology, 2014, 16, 3055-3071.	1.8	280
93	High-fat diet alters gut microbiota physiology in mice. ISME Journal, 2014, 8, 295-308.	4.4	583
94	Longitudinal study of murine microbiota activity and interactions with the host during acute inflammation and recovery. ISME Journal, 2014, 8, 1101-1114.	4.4	174
95	NanoSIMS combined with fluorescence microscopy as a tool for subcellular imaging of isotopically labeled platinum-based anticancer drugs. Chemical Science, 2014, 5, 3135-3143.	3.7	87
96	Growth of nitrite-oxidizing bacteria by aerobic hydrogen oxidation. Science, 2014, 345, 1052-1054.	6.0	166
97	Confocal laser scanning microscopy as a tool to validate the efficiency of membrane cleaning procedures to remove biofilms. Separation and Purification Technology, 2014, 122, 402-411.	3.9	22
98	Fish-Microautoradiography and Isotope Arrays for Monitoring the Ecophysiology of Microbes Within Their Natural Environment. , 2014, , 305-316.		2
99	Host-compound foraging by intestinal microbiota revealed by single-cell stable isotope probing. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4720-4725.	3.3	210
100	Interactions of Nitrifying Bacteria and Heterotrophs: Identification of a Micavibrio-Like Putative Predator of Nitrospira spp. Applied and Environmental Microbiology, 2013, 79, 2027-2037.	1.4	90
101	Oxidation of Inorganic Nitrogen Compounds as an Energy Source. , 2013, , 83-118.		15
102	Depletion of Unwanted Nucleic Acid Templates by Selective Cleavage: LNAzymes, Catalytically Active Oligonucleotides Containing Locked Nucleic Acids, Open a New Window for Detecting Rare Microbial Community Members. Applied and Environmental Microbiology, 2013, 79, 1534-1544.	1.4	10
103	Enrichment and Genome Sequence of the Group I.1a Ammonia-Oxidizing Archaeon â€œCa. Nitrosotenuis uzonensisâ€•Representing a Clade Globally Distributed in Thermal Habitats. PLoS ONE, 2013, 8, e80835.	1.1	84
104	Bacteriocyte-associated gammaproteobacterial symbionts of the Adelges nordmannianae/piceae complex (Hemiptera: Adelgidae). ISME Journal, 2012, 6, 384-396.	4.4	49
105	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.	1.0	73
106	A Straightforward DOPE (Double Labeling of Oligonucleotide Probes)-FISH (FluorescenceIn) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 T Applied and Environmental Microbiology, 2012, 78, 5138-5142.	1.4	48
107	Sulfate-reducing microorganisms in wetlands â€“ fameless actors in carbon cycling and climate change. Frontiers in Microbiology, 2012, 3, 72.	1.5	264
108	The genome of the ammoniaâ€oxidizing <scp>C</scp>andidatus<scp>N</scp>itrososphaera gargensis: insights into metabolic versatility and environmental adaptations. Environmental Microbiology, 2012, 14, 3122-3145.	1.8	332

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109	Zero-valent sulphur is a key intermediate in marine methane oxidation. Nature, 2012, 491, 541-546.	13.7	498
110	Intracellular Vesicles as Reproduction Elements in Cell Wall-Deficient L-Form Bacteria. PLoS ONE, 2012, 7, e38514.	1.1	36
111	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
112	Nitrification expanded: discovery, physiology and genomics of a nitrite-oxidizing bacterium from the phylum Chloroflexi. ISME Journal, 2012, 6, 2245-2256.	4.4	345
113	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
114	amoAâ€based consensus phylogeny of ammoniaâ€oxidizing archaea and deep sequencing of amoA genes from soils of four different geographic regions. Environmental Microbiology, 2012, 14, 525-539.	1.8	485
115	Modeling Formamide Denaturation of Probe-Target Hybrids for Improved Microarray Probe Design in Microbial Diagnostics. PLoS ONE, 2012, 7, e43862.	1.1	16
116	Barcoded Primers Used in Multiplex Amplicon Pyrosequencing Bias Amplification. Applied and Environmental Microbiology, 2011, 77, 7846-7849.	1.4	514
117	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
118	The Thaumarchaeota: an emerging view of their phylogeny and ecophysiology. Current Opinion in Microbiology, 2011, 14, 300-306.	2.3	511
119	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
120	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
121	Nitrososphaera viennensis , 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
122	Proteomic analysis reveals a virtually complete set of proteins for translation and energy generation in elementary bodies of the amoeba symbiont Protochlamydia amoebophila. Proteomics, 2011, 11, 1868-1892.	1.3	12
123	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
124	Thaumarchaeotes abundant in refinery nitrifying sludges express amoA 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
125	Unexpected Diversity of Chlorite Dismutases: a Catalytically Efficient Dimeric Enzyme from Nitrobacter winogradskyi. Journal of Bacteriology, 2011, 193, 2408-2417.	1.0	76
126	Paracatenula , an ancient symbiosis between thiotrophic Alphaproteobacteria and catenulid flatworms. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12078-12083.	3.3	75

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127	Deep sequencing reveals exceptional diversity and modes of transmission for bacterial sponge symbionts. Environmental Microbiology, 2010, 12, 2070-2082.	1.8	394
128	Raman microscopy and surfaceâ€enhanced Raman scattering (SERS) for in situ analysis of biofilms. Journal of Biophotonics, 2010, 3, 548-556.	1.1	45
129	Proteomic analysis of the outer membrane of Protochlamydia amoebophila elementary bodies. Proteomics, 2010, 10, 4363-4376.	1.3	13
130	Raman microspectroscopy reveals longâ€term extracellular activity of chlamydiae. Molecular Microbiology, 2010, 77, 687-700.	1.2	89
131	Crenarchaeol dominates the membrane lipids of Candidatus Nitrososphaera gargensis, a thermophilic Group I.1b Archaeon. ISME Journal, 2010, 4, 542-552.	4.4	160
132	A â€˜rare biosphereâ€™ microorganism contributes to sulfate reduction in a peatland. ISME Journal, 2010, 4, 1591-1602.	4.4	303
133	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.	1.4	160
134	Inclusion Membrane Proteins ofProtochlamydia amoebophilaUWE25 Reveal a Conserved Mechanism for Host Cell Interaction among theChlamydiae. Journal of Bacteriology, 2010, 192, 5093-5102.	1.0	33
135	The Genome of the Amoeba Symbiont â€œ Candidatus Amoebophilus asiaticusâ€•Reveals Common Mechanisms for Host Cell Interaction among Amoeba-Associated Bacteria. Journal of Bacteriology, 2010, 192, 1045-1057.	1.0	138
136	Label-Free in Situ SERS Imaging of Biofilms. Journal of Physical Chemistry B, 2010, 114, 10184-10194.	1.2	93
137	Structural and functional characterisation of the chlorite dismutase from the nitrite-oxidizing bacterium â€œCandidatus Nitrospira defluviiâ€• Identification of a catalytically important amino acid residue. Journal of Structural Biology, 2010, 172, 331-342.	1.3	79
138	Distinct gene set in two different lineages of ammonia-oxidizing archaea supports the phylum Thaumarchaeota. Trends in Microbiology, 2010, 18, 331-340.	3.5	431
139	A Nitrospira metagenome illuminates the physiology and evolution of globally important nitrite-oxidizing bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13479-13484.	3.3	732
140	Comprehensive in silico prediction and analysis of chlamydial outer membrane proteins reflects evolution and life style of the Chlamydiae. BMC Genomics, 2009, 10, 634.	1.2	27
141	Towards a nondestructive chemical characterization of biofilm matrix by Raman microscopy. Analytical and Bioanalytical Chemistry, 2009, 393, 197-206.	1.9	142
142	Isotope array analysis of Rhodocyclales uncovers functional redundancy and versatility in an activated sludge. ISME Journal, 2009, 3, 1349-1364.	4.4	86
143	High genetic similarity between two geographically distinct strains of the sulfur-oxidizing symbiont Ã¢Â€Â˜Candidatus Thiobios zoothamnicoliÃ¢Â€Â™. FEMS Microbiology Ecology, 2009, 67, 229-241.	1.3	35
144	Reverse dissimilatory sulfite reductase as phylogenetic marker for a subgroup of sulfurâ€oxidizing prokaryotes. Environmental Microbiology, 2009, 11, 289-299.	1.8	162

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145	Single-Cell Ecophysiology of Microbes as Revealed by Raman Microspectroscopy or Secondary Ion Mass Spectrometry Imaging. Annual Review of Microbiology, 2009, 63, 411-429.	2.9	270
146	A moderately thermophilic ammonia-oxidizing crenarchaeote from a hot spring. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2134-2139.	3.3	626
147	Chlamydia-like bacteria in respiratory samples of community-acquired pneumonia patients. FEMS Microbiology Letters, 2008, 281, 198-202.	0.7	76
148	Microbial diversity and the genetic nature of microbial species. Nature Reviews Microbiology, 2008, 6, 431-440.	13.6	521
149	Diversity and mode of transmission of ammoniaâ€oxidizing archaea in marine sponges. Environmental Microbiology, 2008, 10, 1087-1094.	1.8	127
150	Environmental genomics reveals a functional chlorite dismutase in the nitriteâ€oxidizing bacterium â€˜Candidatus Nitrospira defluviiâ€™. Environmental Microbiology, 2008, 10, 3043-3056.	1.8	102
151	probeCheck â€“ a central resource for evaluating oligonucleotide probe coverage and specificity. Environmental Microbiology, 2008, 10, 2894-2898.	1.8	170
152	Quantification of Target Molecules Needed To Detect Microorganisms by Fluorescence In Situ Hybridization (FISH) and Catalyzed Reporter Deposition-FISH. Applied and Environmental Microbiology, 2008, 74, 5068-5077.	1.4	114
153	Lawsonia intracellularisContains a Gene Encoding a Functional Rickettsia-Like ATP/ADP Translocase for Host Exploitation. Journal of Bacteriology, 2008, 190, 5746-5752.	1.0	37
154	Diversity of Bacterial Endosymbionts of Environmental Acanthamoeba Isolates. Applied and Environmental Microbiology, 2008, 74, 5822-5831.	1.4	92
155	Evolution and Ecology of Microbes Dissimilating Sulfur Compounds: Insights from Siroheme Sulfite Reductases. , 2008, , 46-59.		24
156	probeBase–an online resource for rRNA-targeted oligonucleotide probes: new features 2007. Nucleic Acids Research, 2007, 35, D800-D804.	6.5	421
157	Molecular strategies for studies of natural populations of sulphate-reducing microorganisms. , 2007, , 39-116.		12
158	Improved 16S rRNA-targeted probe set for analysis of sulfate-reducing bacteria by fluorescence in situ hybridization. Journal of Microbiological Methods, 2007, 69, 523-528.	0.7	98
159	Sponge-Associated Microorganisms: Evolution, Ecology, and Biotechnological Potential. Microbiology and Molecular Biology Reviews, 2007, 71, 295-347.	2.9	1,254
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