

# Andreas Schramm

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6039547/publications.pdf>

Version: 2024-02-01

146  
papers

10,337  
citations

44042

48  
h-index

37183

96  
g-index

155  
all docs

155  
docs citations

155  
times ranked

9971  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissimilatory nitrate reduction by a freshwater cable bacterium. ISME Journal, 2022, 16, 50-57.	4.4	21
2	Spatial separation of ribosomes and DNA in Asgard archaeal cells. ISME Journal, 2022, 16, 606-610.	4.4	17
3	Temporal and spatial microbiome dynamics across natural populations of the social spider <i>Stegodyphus dumicola</i> . FEMS Microbiology Ecology, 2022, 98, .	1.3	7
4	Biogeochemical functioning of the Baltic Sea. Earth System Dynamics, 2022, 13, 633-685.	2.7	22
5	Host Plant Availability and Nest-Site Selection of the Social Spider <i>Stegodyphus dumicola</i> Pocock, 1898 (Eresidae). Insects, 2022, 13, 30.	1.0	5
6	Metabolite Profiling of the Social Spider <i>Stegodyphus dumicola</i> Along a Climate Gradient. Frontiers in Ecology and Evolution, 2022, 10, .	1.1	1
7	Tracing long-distance electron transfer and cable bacteria in freshwater sediments by agar pillar gradient columns. FEMS Microbiology Ecology, 2022, 98, .	1.3	4
8	Triculamin: An Unusual Lasso Peptide with Potent Antimycobacterial Activity. Journal of Natural Products, 2022, 85, 1514-1521.	1.5	7
9	Intracellular nitrate storage by diatoms can be an important nitrogen pool in freshwater and marine ecosystems. Communications Earth & Environment, 2022, 3, .	2.6	11
10	Oxygen consumption of individual cable bacteria. Science Advances, 2021, 7, .	4.7	28
11	An antimicrobial <i>Staphylococcus sciuri</i> with broad temperature and salt spectrum isolated from the surface of the African social spider, <i>Stegodyphus dumicola</i> . Antonie Van Leeuwenhoek, 2021, 114, 325-335.	0.7	2
12	Cable bacteria at oxygen-releasing roots of aquatic plants: a widespread and diverse plant-microbe association. New Phytologist, 2021, 232, 2138-2151.	3.5	32
13	The bacterial and fungal nest microbiomes in populations of the social spider <i>Stegodyphus dumicola</i> . Systematic and Applied Microbiology, 2021, 44, 126222.	1.2	12
14	Antimicrobial Compounds in the Volatilome of Social Spider Communities. Frontiers in Microbiology, 2021, 12, 700693.	1.5	15
15	How to grow your cable bacteria: Establishment of a stable single-strain culture in sediment and proposal of <i>Candidatus Electronema aureum</i> GS. Systematic and Applied Microbiology, 2021, 44, 126236.	1.2	16
16	<i>Phyllobacterium calauticae</i> sp. nov. isolated from a microaerophilic veil transversed by cable bacteria in freshwater sediment. Antonie Van Leeuwenhoek, 2021, 114, 1877-1887.	0.7	8
17	The importance of environmental microbes for <i>Drosophila melanogaster</i> during seasonal macronutrient variability. Scientific Reports, 2021, 11, 18850.	1.6	5
18	Pili for nanowires. Nature Microbiology, 2021, 6, 1347-1348.	5.9	8

#	ARTICLE	IF	CITATIONS
19	The myth of antibiotic spider silk. <i>IScience</i> , 2021, 24, 103125.	1.9	6
20	Microbiomes and Specific Symbionts of Social Spiders: Compositional Patterns in Host Species, Populations, and Nests. <i>Frontiers in Microbiology</i> , 2020, 11, 1845.	1.5	20
21	Electrogenic sulfide oxidation mediated by cable bacteria stimulates sulfate reduction in freshwater sediments. <i>ISME Journal</i> , 2020, 14, 1233-1246.	4.4	41
22	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
23	Single-cell amplified genomes of two uncultivated members of the deltaproteobacterial SEEP-SRB1 clade, isolated from marine sediment. <i>Marine Genomics</i> , 2019, 46, 66-69.	0.4	14
24	Draft Genome Sequence of <i>Bacillus subtilis</i> SB-14, an Antimicrobially Active Isolate from Namibian Social Spiders ( <i>Stegodyphus dumicola</i> ). <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	0
25	Marine Deep Biosphere Microbial Communities Assemble in Near-Surface Sediments in Aarhus Bay. <i>Frontiers in Microbiology</i> , 2019, 10, 758.	1.5	54
26	Microalgae-bacteria symbiosis in microalgal growth and biofuel production: a review. <i>Journal of Applied Microbiology</i> , 2019, 126, 359-368.	1.4	186
27	Genomic insights into the <i>Agromyces</i> -like symbiont of earthworms and its distribution among host species. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	9
28	Distinct effects of the nephridial symbionts <i>Verminephrobacter</i> and <i>Candidatus Nephrothrix</i> on reproduction and maturation of its earthworm host <i>Eisenia andrei</i> . <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	16
29	Gene expression of terminal oxidases in two marine bacterial strains exposed to nanomolar oxygen concentrations. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	12
30	Male spiders control offspring sex ratio through greater production of female-determining sperm. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172887.	1.2	15
31	Single-Cell Genomics Reveals a Diverse Metabolic Potential of Uncultivated <i>Desulfatiglans</i> -Related Deltaproteobacteria Widely Distributed in Marine Sediment. <i>Frontiers in Microbiology</i> , 2018, 9, 2038.	1.5	69
32	Intracellular nitrate in sediments of an oxygen-deficient marine basin is linked to pelagic diatoms. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	3
33	Transient bottom water oxygenation creates a niche for cable bacteria in long-term anoxic sediments of the Eastern Gotland Basin. <i>Environmental Microbiology</i> , 2018, 20, 3031-3041.	1.8	37
34	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
35	Mitigating N <sub>2</sub> O emissions from clover residues by 3,4-dimethylpyrazole phosphate (DMPP) without adverse effects on the earthworm <i>Lumbricus terrestris</i> . <i>Soil Biology and Biochemistry</i> , 2017, 104, 95-107.	4.2	29
36	Asgard archaea illuminate the origin of eukaryotic cellular complexity. <i>Nature</i> , 2017, 541, 353-358.	13.7	882

#	ARTICLE	IF	CITATIONS
37	High quality draft genome sequence of <i>Janthinobacterium psychrotolerans</i> sp. nov., isolated from a frozen freshwater pond. <i>Standards in Genomic Sciences</i> , 2017, 12, 8.	1.5	28
38	Microbial community assembly and evolution in subseafloor sediment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2940-2945.	3.3	194
39	The novel bacterial phylum <i>Calditrichaeota</i> is diverse, widespread and abundant in marine sediments and has the capacity to degrade detrital proteins. <i>Environmental Microbiology Reports</i> , 2017, 9, 397-403.	1.0	39
40	Biparental transmission of <i>Verminephrobacter</i> symbionts in the earthworm <i>Aporrectodea tuberculata</i> (Lumbricidae). <i>FEMS Microbiology Ecology</i> , 2017, 93, .	1.3	10
41	Depth Distribution and Assembly of Sulfate-Reducing Microbial Communities in Marine Sediments of Aarhus Bay. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	53
42	Disguised as a Sulfate Reducer: Growth of the Deltaproteobacterium <i>Desulfurivibrio alkaliphilus</i> by Sulfide Oxidation with Nitrate. <i>MBio</i> , 2017, 8, .	1.8	122
43	Visualizing the dental biofilm matrix by means of fluorescence lectin-binding analysis. <i>Journal of Oral Microbiology</i> , 2017, 9, 1345581.	1.2	19
44	Microbial N Transformations and N <sub>2</sub> O Emission after Simulated Grassland Cultivation: Effects of the Nitrification Inhibitor 3,4-Dimethylpyrazole Phosphate (DMPP). <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	52
45	Microbial community diversity and composition varies with habitat characteristics and biofilm function in macrophyte-rich streams. <i>Oikos</i> , 2017, 126, 398-409.	1.2	30
46	A Novel Extracellular Gut Symbiont in the Marine Worm <i>Priapulus caudatus</i> (Priapulida) Reveals an Alphaproteobacterial Symbiont Clade of the Ecdysozoa. <i>Frontiers in Microbiology</i> , 2016, 7, 539.	1.5	19
47	<i>Endozoicomonas</i> Are Specific, Facultative Symbionts of Sea Squirts. <i>Frontiers in Microbiology</i> , 2016, 7, 1042.	1.5	43
48	Direct Nitrous Oxide Emission from the Aquacultured Pacific White Shrimp ( <i>Litopenaeus vannamei</i> ). <i>Applied and Environmental Microbiology</i> , 2016, 82, 4028-4034.	1.4	20
49	3,4-Dimethylpyrazole phosphate (DMPP) reduces activity of ammonia oxidizers without adverse effects on non-target soil microorganisms and functions. <i>Applied Soil Ecology</i> , 2016, 105, 67-75.	2.1	46
50	Single-Cell Genome and Group-Specific <i>dsrAB</i> Sequencing Implicate Marine Members of the Class <i>Dehalococcoidia</i> (Phylum <i>Chloroflexi</i> ) in Sulfur Cycling. <i>MBio</i> , 2016, 7, .	1.8	78
51	Motility of Electric Cable Bacteria. <i>Applied and Environmental Microbiology</i> , 2016, 82, 3816-3821.	1.4	46
52	A taxonomic framework for cable bacteria and proposal of the candidate genera <i>Electrothrix</i> and <i>Electronema</i> . <i>Systematic and Applied Microbiology</i> , 2016, 39, 297-306.	1.2	151
53	Description of <i>Endozoicomonas ascidiicola</i> sp. nov., isolated from Scandinavian ascidians. <i>Systematic and Applied Microbiology</i> , 2016, 39, 313-318.	1.2	27
54	Earthworm ecology affects the population structure of their <i>Verminephrobacter</i> symbionts. <i>Systematic and Applied Microbiology</i> , 2016, 39, 170-172.	1.2	3

#	ARTICLE	IF	CITATIONS
55	Respiratory Kinetics of Marine Bacteria Exposed to Decreasing Oxygen Concentrations. <i>Applied and Environmental Microbiology</i> , 2016, 82, 1412-1422.	1.4	21
56	Evolution of the tripartite symbiosis between earthworms, <i>Verminephrobacter</i> and <i>Flexibacter</i> -like bacteria. <i>Frontiers in Microbiology</i> , 2015, 6, 529.	1.5	15
57	Draft genome sequence of <i>Bacillus azotoformans</i> MEV2011, a (Co-) denitrifying strain unable to grow with oxygen. <i>Standards in Genomic Sciences</i> , 2015, 10, 4.	1.5	4
58	Ammonia-oxidizing Bacteria of the Nitrospira cluster 1 dominate over ammonia-oxidizing Archaea in oligotrophic surface sediments near the South Atlantic Gyre. <i>Environmental Microbiology Reports</i> , 2015, 7, 404-413.	1.0	22
59	Cable Bacteria in Freshwater Sediments. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6003-6011.	1.4	112
60	Cable bacteria associated with long-distance electron transport in <i>N</i> -enriched salt marsh sediment. <i>Environmental Microbiology Reports</i> , 2015, 7, 175-179.	1.0	63
61	The earthworm- <i>Verminephrobacter</i> symbiosis: an emerging experimental system to study extracellular symbiosis. <i>Frontiers in Microbiology</i> , 2014, 5, 128.	1.5	23
62	<i>Chironomus plumosus</i> larvae increase fluxes of denitrification products and diversity of nitrate-reducing bacteria in freshwater sediment. <i>Systematic and Applied Microbiology</i> , 2014, 37, 51-59.	1.2	29
63	Genome sequencing of a single cell of the widely distributed marine subsurface <i>Dehalococcoidia</i> phylum <i>Chloroflexi</i> . <i>ISME Journal</i> , 2014, 8, 383-397.	4.4	172
64	Succession of cable bacteria and electric currents in marine sediment. <i>ISME Journal</i> , 2014, 8, 1314-1322.	4.4	134
65	Electric coupling between distant nitrate reduction and sulfide oxidation in marine sediment. <i>ISME Journal</i> , 2014, 8, 1682-1690.	4.4	115
66	Draft genome sequence of <i>Bacillus azotoformans</i> MEV2011, a (Co-) denitrifying strain unable to grow with oxygen. <i>Standards in Genomic Sciences</i> , 2014, 9, 23.	1.5	4
67	Shell biofilm-associated nitrous oxide production in marine molluscs: processes, precursors and relative importance. <i>Environmental Microbiology</i> , 2013, 15, 1943-1955.	1.8	51
68	Predominant archaea in marine sediments degrade detrital proteins. <i>Nature</i> , 2013, 496, 215-218.	13.7	526
69	Extracellular DNA in adhesion and biofilm formation of four environmental isolates: a quantitative study. <i>FEMS Microbiology Ecology</i> , 2013, 86, 394-403.	1.3	86
70	Methylotrophic methanogenic Thermoplasmata implicated in reduced methane emissions from bovine rumen. <i>Nature Communications</i> , 2013, 4, 1428.	5.8	328
71	Seasonal Methane Oxidation Potential in Manure Crusts. <i>Applied and Environmental Microbiology</i> , 2013, 79, 407-410.	1.4	18
72	Shell Biofilm Nitrification and Gut Denitrification Contribute to Emission of Nitrous Oxide by the Invasive Freshwater Mussel <i>Dreissena polymorpha</i> (Zebra Mussel). <i>Applied and Environmental Microbiology</i> , 2012, 78, 4505-4509.	1.4	42

#	ARTICLE	IF	CITATIONS
73	Purifying Selection and Molecular Adaptation in the Genome of <i>Verminephrobacter</i> , the Heritable Symbiotic Bacteria of Earthworms. <i>Genome Biology and Evolution</i> , 2012, 4, 307-315.	1.1	25
74	Filamentous bacteria transport electrons over centimetre distances. <i>Nature</i> , 2012, 491, 218-221.	13.7	475
75	Fluorescence in situ hybridization (FISH) detection of nitrite reductase transcripts ( <i>nirS</i> mRNA) in <i>Pseudomonas stutzeri</i> biofilms relative to a microscale oxygen gradient. <i>Systematic and Applied Microbiology</i> , 2012, 35, 513-517.	1.2	17
76	Higher nitrate-reducer diversity in macrophyte-colonized compared to unvegetated freshwater sediment. <i>Systematic and Applied Microbiology</i> , 2012, 35, 465-472.	1.2	21
77	Succession of <i>Deferribacteres</i> and <i>Epsilonproteobacteria</i> through a nitrate-treated high-temperature oil production facility. <i>Systematic and Applied Microbiology</i> , 2012, 35, 165-174.	1.2	46
78	<i>Verminephrobacter aporrectodeae</i> sp. nov. subsp. <i>tuberculatae</i> and subsp. <i>caliginosae</i> , the specific nephridial symbionts of the earthworms <i>Aporrectodea tuberculata</i> and <i>A. caliginosa</i> . <i>Antonie Van Leeuwenhoek</i> , 2012, 101, 507-514.	0.7	15
79	Biofilm retention on surfaces with variable roughness and hydrophobicity. <i>Biofouling</i> , 2011, 27, 111-121.	0.8	52
80	Process optimization by decoupled control of key microbial populations: Distribution of activity and abundance of polyphosphate-accumulating organisms and nitrifying populations in a full-scale IFAS-EBPR plant. <i>Water Research</i> , 2011, 45, 3845-3854.	5.3	80
81	Bacterial community structure of a full-scale biofilter treating pig house exhaust air. <i>Systematic and Applied Microbiology</i> , 2011, 34, 344-352.	1.2	32
82	<i>Defluviimonas denitrificans</i> gen. nov., sp. nov., and <i>Pararhodobacter aggregans</i> gen. nov., sp. nov., non-phototrophic <i>Rhodobacteraceae</i> from the biofilter of a marine aquaculture. <i>Systematic and Applied Microbiology</i> , 2011, 34, 498-502.	1.2	90
83	Dynamic microbial response of sulfidogenic wastewater biofilm to nitrate. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 1647-1657.	1.7	36
84	Diversity and host specificity of the <i>Verminephrobacter</i> "earthworm symbiosis. <i>Environmental Microbiology</i> , 2010, 12, 2142-2151.	1.8	32
85	Two Types of Endosymbiotic Bacteria in the Enigmatic Marine Worm <i>Xenoturbella bocki</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 2657-2662.	1.4	16
86	In vitro production of necrotic enteritis toxin B, NetB, by netB-positive and netB-negative <i>Clostridium perfringens</i> originating from healthy and diseased broiler chickens. <i>Veterinary Microbiology</i> , 2010, 144, 231-235.	0.8	59
87	Effect of nitrate on sulfur transformations in sulfidogenic sludge of a marine aquaculture biofilter. <i>FEMS Microbiology Ecology</i> , 2010, 72, 476-484.	1.3	16
88	Regulation of nitrous oxide emission associated with benthic invertebrates. <i>Freshwater Biology</i> , 2010, 55, 1647-1657.	1.2	16
89	Detection of denitrification genes by <i>in situ</i> rolling circle amplification-fluorescence <i>in situ</i> hybridization to link metabolic potential with identity inside bacterial cells. <i>Environmental Microbiology</i> , 2010, 12, 2508-2517.	1.8	24
90	Control of nitrous oxide emission from <i>Chironomus plumosus</i> larvae by nitrate and temperature. <i>Limnology and Oceanography</i> , 2010, 55, 872-884.	1.6	16

#	ARTICLE	IF	CITATIONS
91	Oxygen Distribution and Potential Ammonia Oxidation in Floating, Liquid Manure Crusts. Journal of Environmental Quality, 2010, 39, 1813-1820.	1.0	38
92	Beneficial Effect of <i>Verminephrobacter</i> Nephridial Symbionts on the Fitness of the Earthworm <i>Aporrectodea tuberculata</i> . Applied and Environmental Microbiology, 2010, 76, 4738-4743.	1.4	25
93	The effect of feeding a commercial essential oil product on <i>Clostridium perfringens</i> numbers in the intestine of broiler chickens measured by real-time PCR targeting the $\hat{1}\pm$ -toxin-encoding gene ( <i>plc</i> ). Animal Feed Science and Technology, 2010, 157, 181-189.	1.1	19
94	Nitrous oxide production associated with coastal marine invertebrates. Marine Ecology - Progress Series, 2010, 415, 1-9.	0.9	42
95	Control of nitrous oxide emission from <i>Chironomus plumosus</i> larvae by nitrate and temperature. Limnology and Oceanography, 2010, 55, 872-884.	1.6	10
96	Functional and structural response of ammonia and VOC converting biofilm to variations in air loading and water management. , 2010, , 109-109.		0
97	Regulation of ammonia oxidation in biotrickling air filters. , 2010, , 111-112.		0
98	Greenhouse Gas Microbiology in Wet and Dry Straw Crust Covering Pig Slurry. Journal of Environmental Quality, 2009, 38, 1311-1319.	1.0	36
99	Effect of Lake Trophic Status and Rooted Macrophytes on Community Composition and Abundance of Ammonia-Oxidizing Prokaryotes in Freshwater Sediments. Applied and Environmental Microbiology, 2009, 75, 3127-3136.	1.4	151
100	Nitrous oxide emission by aquatic macrofauna. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4296-4300.	3.3	88
101	Distribution and Rate of Microbial Processes in an Ammonia-Loaded Air Filter Biofilm. Applied and Environmental Microbiology, 2009, 75, 3705-3713.	1.4	47
102	Detection and persistence of fecal Bacteroidales as water quality indicators in unchlorinated drinking water. Systematic and Applied Microbiology, 2009, 32, 362-370.	1.2	12
103	Sequence variation in the $\hat{1}\pm$ -toxin encoding <i>plc</i> gene of <i>Clostridium perfringens</i> strains isolated from diseased and healthy chickens. Veterinary Microbiology, 2009, 136, 293-299.	0.8	13
104	Dynamics of <i>plc</i> gene transcription and $\hat{1}\pm$ -toxin production during growth of <i>Clostridium perfringens</i> strains with contrasting $\hat{1}\pm$ -toxin production. Veterinary Microbiology, 2009, 139, 202-206.	0.8	7
105	Prokaryotic Community Structure and Sulfate Reducer Activity in Water from High-Temperature Oil Reservoirs with and without Nitrate Treatment. Applied and Environmental Microbiology, 2009, 75, 7086-7096.	1.4	177
106	<i>Nitrosomonas Nm143</i> -like ammonia oxidizers and <i>Nitrospira marina</i> -like nitrite oxidizers dominate the nitrifier community in a marine aquaculture biofilm. FEMS Microbiology Ecology, 2008, 63, 192-204.	1.3	127
107	<i>Archaea</i> Dominate the Ammonia-Oxidizing Community in the Rhizosphere of the Freshwater Macrophyte <i>Littorella uniflora</i> . Applied and Environmental Microbiology, 2008, 74, 3279-3283.	1.4	167
108	KINETCIS AND NITRIFYING POPULATIONS IN NITROGEN REMOVAL PROCESSES AT A FULL-SCALE INTEGRATED FIXED-FILM ACTIVATED SLUDGE (IFAS) PLANT. Proceedings of the Water Environment Federation, 2007, 2007, 3099-3119.	0.0	13



#	ARTICLE	IF	CITATIONS
109	Nitrifying Community Analysis in a Single Submerged Attached-Growth Bioreactor for Treatment of High-Ammonia Waste Stream. <i>Water Environment Research</i> , 2007, 79, 2510-2518.	1.3	10
110	TREATMENT OF HIGH-AMMONIA WASTE STREAM USING A SINGLE SUBMERGED ATTACHED GROWTH BIOREACTOR - PERFORMANCE AND NITRIFYING COMMUNITY ANALYSIS. <i>Proceedings of the Water Environment Federation</i> , 2007, 2007, 437-454.	0.0	1
111	<i>Geminicoccus roseus</i> gen. nov., sp. nov., an aerobic phototrophic Alphaproteobacterium isolated from a marine aquaculture biofilter. <i>Systematic and Applied Microbiology</i> , 2007, 30, 581-586.	1.2	36
112	Nitrous Oxide Reductase Genes ( <i>nosZ</i> ) of Denitrifying Microbial Populations in Soil and the Earthworm Gut Are Phylogenetically Similar. <i>Applied and Environmental Microbiology</i> , 2006, 72, 1019-1026.	1.4	100
113	Earthworm Gut Microbial Biomes: Their Importance to Soil Microorganisms, Denitrification, and the Terrestrial Production of the Greenhouse Gas N <sub>2</sub> O. , 2006, , 65-87.		25
114	Microsensors for the Study of Microenvironments and Processes in the Intestine of Invertebrates. , 2006, , 463-473.		5
115	Nitrogen transformations in stratified aquatic microbial ecosystems. <i>Antonie Van Leeuwenhoek</i> , 2006, 90, 361-375.	0.7	46
116	Ant-mediated effects on spruce litter decomposition, solution chemistry, and microbial activity. <i>Soil Biology and Biochemistry</i> , 2006, 38, 561-572.	4.2	39
117	<i>Dechloromonas denitrificans</i> sp. nov., <i>Flavobacterium denitrificans</i> sp. nov., <i>Paenibacillus anaericanus</i> sp. nov. and <i>Paenibacillus terrae</i> strain MH72, N <sub>2</sub> O-producing bacteria isolated from the gut of the earthworm <i>Aporrectodea caliginosa</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1255-1265.	0.8	222
118	Identification of Bacteria Potentially Responsible for Oxic and Anoxic Sulfide Oxidation in Biofilters of a Recirculating Mariculture System. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6134-6141.	1.4	70
119	Flow Cytometry-Assisted Cloning of Specific Sequence Motifs from Complex 16S rRNA Gene Libraries. <i>Applied and Environmental Microbiology</i> , 2004, 70, 7550-7554.	1.4	12
120	<i>Lactovum miscens</i> gen. nov., sp. nov., an aerotolerant, psychrotolerant, mixed-fermentative anaerobe from acidic forest soil. <i>Research in Microbiology</i> , 2004, 155, 847-854.	1.0	22
121	Temporal variation of nitrification rates in experimental freshwater sediments enriched with ammonia or nitrite. <i>FEMS Microbiology Ecology</i> , 2003, 46, 63-71.	1.3	20
122	Acidovorax-like symbionts in the nephridia of earthworms. <i>Environmental Microbiology</i> , 2003, 5, 804-809.	1.8	63
123	In situ distribution and activity of nitrifying bacteria in freshwater sediment. <i>Environmental Microbiology</i> , 2003, 5, 798-803.	1.8	117
124	Hydrogenotrophic Methanogenesis by Moderately Acid-Tolerant Methanogens of a Methane-Emitting Acidic Peat. <i>Applied and Environmental Microbiology</i> , 2003, 69, 74-83.	1.4	251
125	In Situ Analysis of Structure and Activity of the Nitrifying Community in Biofilms, Aggregates, and Sediments. <i>Geomicrobiology Journal</i> , 2003, 20, 313-333.	1.0	47
126	N <sub>2</sub> O-Producing Microorganisms in the Gut of the Earthworm <i>Aporrectodea caliginosa</i> Are Indicative of Ingested Soil Bacteria. <i>Applied and Environmental Microbiology</i> , 2003, 69, 1655-1661.	1.4	90



#	ARTICLE	IF	CITATIONS
127	The Earthworm Gut: an Ideal Habitat for Ingested N <sub>2</sub> O-Producing Microorganisms. <i>Applied and Environmental Microbiology</i> , 2003, 69, 1662-1669.	1.4	235
128	Tolerance and Metabolic Response of Acetogenic Bacteria toward Oxygen. <i>Applied and Environmental Microbiology</i> , 2002, 68, 1005-1009.	1.4	102
129	Simultaneous P and N removal in a sequencing batch biofilm reactor: insights from reactor- and microscale investigations. <i>Water Research</i> , 2002, 36, 501-509.	5.3	114
130	Fluorescence in situ hybridization of 16S rRNA gene clones (Clone-FISH) for probe validation and screening of clone libraries. <i>Environmental Microbiology</i> , 2002, 4, 713-720.	1.8	113
131	Title is missing!. <i>Hydrobiologia</i> , 2002, 469, 165-178.	1.0	12
132	Community Structure and Activity Dynamics of Nitrifying Bacteria in a Phosphate-Removing Biofilm. <i>Applied and Environmental Microbiology</i> , 2001, 67, 1351-1362.	1.4	297
133	Microenvironments and distribution of nitrifying bacteria in a membrane-bound biofilm. <i>Environmental Microbiology</i> , 2000, 2, 680-686.	1.8	239
134	The biogeochemistry, stable isotope geochemistry, and microbial community structure of a temperate intertidal mudflat: an integrated study. <i>Continental Shelf Research</i> , 2000, 20, 1749-1769.	0.9	106
135	Monitoring Precursor 16S rRNAs of <i>Acinetobacter</i> spp. in Activated Sludge Wastewater Treatment Systems. <i>Applied and Environmental Microbiology</i> , 2000, 66, 2154-2165.	1.4	77
136	Micro-environments and mass transfer phenomena in biofilms studied with microsensors. <i>Water Science and Technology</i> , 1999, 39, 173-178.	1.2	59
137	Microscale Distribution of Populations and Activities of <i>Nitrosospira</i> and <i>Nitrosospira</i> spp. along a Macroscale Gradient in a Nitrifying Bioreactor: Quantification by In Situ Hybridization and the Use of Microsensors. <i>Applied and Environmental Microbiology</i> , 1999, 65, 3690-3696.	1.4	431
138	On the Occurrence of Anoxic Microniches, Denitrification, and Sulfate Reduction in Aerated Activated Sludge. <i>Applied and Environmental Microbiology</i> , 1999, 65, 4189-4196.	1.4	127
139	Characterization of Microbial Communities of Biofilters by Phospholipid Fatty Acid Analysis and rRNA Targeted Oligonucleotide Probes. <i>Systematic and Applied Microbiology</i> , 1999, 22, 626-634.	1.2	19
140	Micro-environments and mass transfer phenomena in biofilms studied with microsensors. <i>Water Science and Technology</i> , 1999, 39, 173.	1.2	37
141	Microsensors as a tool to determine chemical microgradients and bacterial activity in wastewater biofilms and flocs. <i>Biodegradation</i> , 1998, 9, 159-167.	1.5	45
142	Anaerobic processes in activated sludge. <i>Water Science and Technology</i> , 1998, 37, 605.	1.2	11
143	Identification and Activities In Situ of <i>Nitrosospira</i> and <i>Nitrosospira</i> spp. as Dominant Populations in a Nitrifying Fluidized Bed Reactor. <i>Applied and Environmental Microbiology</i> , 1998, 64, 3480-3485.	1.4	448
144	In situ structure/function studies in wastewater treatment systems. <i>Water Science and Technology</i> , 1998, 37, 413-416.	1.2	7

#	ARTICLE	IF	CITATIONS
145	Anaerobic processes in activated sludge. <i>Water Science and Technology</i> , 1998, 37, 605-608.	1.2	14
146	Structure and function of a nitrifying biofilm as determined by microelectrodes and fluorescent oligonucleotide probes. <i>Water Science and Technology</i> , 1997, 36, 263.	1.2	16