

Andreas Schramm

List of Publications by Year in descending order

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146
papers

10,337
citations

43973

48
h-index

37111

96
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155
all docs

155
docs citations

155
times ranked

9971
citing authors

#	ARTICLE	IF	CITATIONS
1	Asgard archaea illuminate the origin of eukaryotic cellular complexity. <i>Nature</i> , 2017, 541, 353-358.	13.7	882
2	Predominant archaea in marine sediments degrade detrital proteins. <i>Nature</i> , 2013, 496, 215-218.	13.7	526
3	Filamentous bacteria transport electrons over centimetre distances. <i>Nature</i> , 2012, 491, 218-221.	13.7	475
4	Identification and Activities In Situ of <i>Nitrosospira</i> and <i>Nitrospira</i> spp. as Dominant Populations in a Nitrifying Fluidized Bed Reactor. <i>Applied and Environmental Microbiology</i> , 1998, 64, 3480-3485.	1.4	448
5	Microscale Distribution of Populations and Activities of <i>Nitrosospira</i> and <i>Nitrospira</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
6	Methylotrophic methanogenic Thermoplasmata implicated in reduced methane emissions from bovine rumen. <i>Nature Communications</i> , 2013, 4, 1428.	5.8	328
7	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
8	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
9	Microenvironments and distribution of nitrifying bacteria in a membrane-bound biofilm. <i>Environmental Microbiology</i> , 2000, 2, 680-686.	1.8	239
10	The Earthworm Gut: an Ideal Habitat for Ingested N ₂ O-Producing Microorganisms. <i>Applied and Environmental Microbiology</i> , 2003, 69, 1662-1669.	1.4	235
11	<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 ₂ 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
12	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
13	Microalgae-bacteria symbiosis in microalgal growth and biofuel production: a review. <i>Journal of Applied Microbiology</i> , 2019, 126, 359-368.	1.4	186
14	Prokaryotic Community Structure and Sulfate Reducer Activity in Water from High-Temperature Oil Reservoirs with and without Nitrate Treatment. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7086-7096.	1.4	177
15	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
16	Archaea Dominate the Ammonia-Oxidizing Community in the Rhizosphere of the Freshwater Macrophyte <i>Littorella uniflora</i> . <i>Applied and Environmental Microbiology</i> , 2008, 74, 3279-3283.	1.4	167
17	Effect of Lake Trophic Status and Rooted Macrophytes on Community Composition and Abundance of Ammonia-Oxidizing Prokaryotes in Freshwater Sediments. <i>Applied and Environmental Microbiology</i> , 2009, 75, 3127-3136.	1.4	151
18	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

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19	Succession of cable bacteria and electric currents in marine sediment. <i>ISME Journal</i> , 2014, 8, 1314-1322.	4.4	134
20	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
21	Nitrosomonas Nm143-like ammonia oxidizers and Nitrospira marina-like nitrite oxidizers dominate the nitrifier community in a marine aquaculture biofilm. <i>FEMS Microbiology Ecology</i> , 2008, 63, 192-204.	1.3	127
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	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
24	In situ distribution and activity of nitrifying bacteria in freshwater sediment. <i>Environmental Microbiology</i> , 2003, 5, 798-803.	1.8	117
25	Electric coupling between distant nitrate reduction and sulfide oxidation in marine sediment. <i>ISME Journal</i> , 2014, 8, 1682-1690.	4.4	115
26	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
27	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
28	Cable Bacteria in Freshwater Sediments. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6003-6011.	1.4	112
29	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
30	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
31	Tolerance and Metabolic Response of Acetogenic Bacteria toward Oxygen. <i>Applied and Environmental Microbiology</i> , 2002, 68, 1005-1009.	1.4	102
32	Nitrous Oxide Reductase Genes (nosZ) 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
33	N ₂ 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
34	<i>Defluviimonas denitrificans</i> gen. nov., sp. nov., and <i>Pararhodobacter aggregans</i> gen. nov., sp. nov., non-phototrophic Rhodobacteraceae from the biofilter of a marine aquaculture. <i>Systematic and Applied Microbiology</i> , 2011, 34, 498-502.	1.2	90
35	Nitrous oxide emission by aquatic macrofauna. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4296-4300.	3.3	88
36	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

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37	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
38	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
39	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
40	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
41	Single-Cell Genomics Reveals a Diverse Metabolic Potential of Uncultivated Desulfatiglans-Related Deltaproteobacteria Widely Distributed in Marine Sediment. <i>Frontiers in Microbiology</i> , 2018, 9, 2038.	1.5	69
42	<i>Acidovorax</i> -like symbionts in the nephridia of earthworms. <i>Environmental Microbiology</i> , 2003, 5, 804-809.	1.8	63
43	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
44	Micro-environments and mass transfer phenomena in biofilms studied with microsensors. <i>Water Science and Technology</i> , 1999, 39, 173-178.	1.2	59
45	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
46	Marine Deep Biosphere Microbial Communities Assemble in Near-Surface Sediments in Aarhus Bay. <i>Frontiers in Microbiology</i> , 2019, 10, 758.	1.5	54
47	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
48	Biofilm retention on surfaces with variable roughness and hydrophobicity. <i>Biofouling</i> , 2011, 27, 111-121.	0.8	52
49	Microbial N Transformations and N ₂ 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
50	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
51	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
52	Distribution and Rate of Microbial Processes in an Ammonia-Loaded Air Filter Biofilm. <i>Applied and Environmental Microbiology</i> , 2009, 75, 3705-3713.	1.4	47
53	Nitrogen transformations in stratified aquatic microbial ecosystems. <i>Antonie Van Leeuwenhoek</i> , 2006, 90, 361-375.	0.7	46
54	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

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55	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
56	Motility of Electric Cable Bacteria. <i>Applied and Environmental Microbiology</i> , 2016, 82, 3816-3821.	1.4	46
57	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
58	Endozoicomonas Are Specific, Facultative Symbionts of Sea Squirts. <i>Frontiers in Microbiology</i> , 2016, 7, 1042.	1.5	43
59	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
60	Nitrous oxide production associated with coastal marine invertebrates. <i>Marine Ecology - Progress Series</i> , 2010, 415, 1-9.	0.9	42
61	Electrogenic sulfide oxidation mediated by cable bacteria stimulates sulfate reduction in freshwater sediments. <i>ISME Journal</i> , 2020, 14, 1233-1246.	4.4	41
62	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
63	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
64	Oxygen Distribution and Potential Ammonia Oxidation in Floating, Liquid Manure Crusts. <i>Journal of Environmental Quality</i> , 2010, 39, 1813-1820.	1.0	38
65	Micro-environments and mass transfer phenomena in biofilms studied with microsensors. <i>Water Science and Technology</i> , 1999, 39, 173.	1.2	37
66	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
67	<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
68	Greenhouse Gas Microbiology in Wet and Dry Straw Crust Covering Pig Slurry. <i>Journal of Environmental Quality</i> , 2009, 38, 1311-1319.	1.0	36
69	Dynamic microbial response of sulfidogenic wastewater biofilm to nitrate. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 1647-1657.	1.7	36
70	Diversity and host specificity of the <i>Verminephrobacter</i> "earthworm symbiosis. <i>Environmental Microbiology</i> , 2010, 12, 2142-2151.	1.8	32
71	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
72	Cable bacteria at oxygen-releasing roots of aquatic plants: a widespread and diverse plant-microbe association. <i>New Phytologist</i> , 2021, 232, 2138-2151.	3.5	32

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73	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
74	<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
75	Mitigating N ₂ 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
76	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
77	Oxygen consumption of individual cable bacteria. <i>Science Advances</i> , 2021, 7, .	4.7	28
78	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
79	Earthworm Gut Microbial Biomes: Their Importance to Soil Microorganisms, Denitrification, and the Terrestrial Production of the Greenhouse Gas N ₂ O. , 2006, , 65-87.		25
80	Beneficial Effect of <i>Verminephrobacter</i> Nephridial Symbionts on the Fitness of the Earthworm <i>Aporrectodea tuberculata</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 4738-4743.	1.4	25
81	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
82	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
83	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
84	<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
85	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
86	Biogeochemical functioning of the Baltic Sea. <i>Earth System Dynamics</i> , 2022, 13, 633-685.	2.7	22
87	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
88	Respiratory Kinetics of Marine Bacteria Exposed to Decreasing Oxygen Concentrations. <i>Applied and Environmental Microbiology</i> , 2016, 82, 1412-1422.	1.4	21
89	Dissimilatory nitrate reduction by a freshwater cable bacterium. <i>ISME Journal</i> , 2022, 16, 50-57.	4.4	21
90	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

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91	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
92	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
93	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
94	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 β -toxin-encoding gene (<i>plc</i>). <i>Animal Feed Science and Technology</i> , 2010, 157, 181-189.	1.1	19
95	A Novel Extracellular Gut Symbiont in the Marine Worm <i>Priapulid</i> <i>Priapulid</i> <i>caudatus</i> (Priapulida) Reveals an Alphaproteobacterial Symbiont Clade of the Ecdysozoa. <i>Frontiers in Microbiology</i> , 2016, 7, 539.	1.5	19
96	Visualizing the dental biofilm matrix by means of fluorescence lectin-binding analysis. <i>Journal of Oral Microbiology</i> , 2017, 9, 1345581.	1.2	19
97	Seasonal Methane Oxidation Potential in Manure Crusts. <i>Applied and Environmental Microbiology</i> , 2013, 79, 407-410.	1.4	18
98	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
99	Spatial separation of ribosomes and DNA in Asgard archaeal cells. <i>ISME Journal</i> , 2022, 16, 606-610.	4.4	17
100	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
101	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
102	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
103	Regulation of nitrous oxide emission associated with benthic invertebrates. <i>Freshwater Biology</i> , 2010, 55, 1647-1657.	1.2	16
104	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
105	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
106	How to grow your cable bacteria: Establishment of a stable single-strain culture in sediment and proposal of <i>Candidatus Electronema aureum</i> GS. <i>Systematic and Applied Microbiology</i> , 2021, 44, 126236.	1.2	16
107	<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
108	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

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109	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
110	Antimicrobial Compounds in the Volatilome of Social Spider Communities. <i>Frontiers in Microbiology</i> , 2021, 12, 700693.	1.5	15
111	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
112	Anaerobic processes in activated sludge. <i>Water Science and Technology</i> , 1998, 37, 605-608.	1.2	14
113	KINETCIS AND NITRIFYING POPULATIONS IN NITROGEN REMOVAL PROCESSES AT A FULL-SCALE INTEGRATED FIXED-FILM ACTIVATED SLUDGE (IFAS) PLANT. <i>Proceedings of the Water Environment Federation</i> , 2007, 2007, 3099-3119.	0.0	13
114	Sequence variation in the $\hat{1}$ -toxin encoding plc gene of <i>Clostridium perfringens</i> strains isolated from diseased and healthy chickens. <i>Veterinary Microbiology</i> , 2009, 136, 293-299.	0.8	13
115	Title is missing!. <i>Hydrobiologia</i> , 2002, 469, 165-178.	1.0	12
116	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
117	Detection and persistence of fecal Bacteroidales as water quality indicators in unchlorinated drinking water. <i>Systematic and Applied Microbiology</i> , 2009, 32, 362-370.	1.2	12
118	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
119	The bacterial and fungal nest microbiomes in populations of the social spider <i>Stegodyphus dumicola</i> . <i>Systematic and Applied Microbiology</i> , 2021, 44, 126222.	1.2	12
120	Anaerobic processes in activated sludge. <i>Water Science and Technology</i> , 1998, 37, 605.	1.2	11
121	Intracellular nitrate storage by diatoms can be an important nitrogen pool in freshwater and marine ecosystems. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	11
122	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
123	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
124	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	10
125	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
126	<i>Phyllobacterium calauticae</i> sp. nov. isolated from a microaerophilic veil transversed by cable bacteria in freshwater sediment. <i>Antonie Van Leeuwenhoek</i> , 2021, 114, 1877-1887.	0.7	8

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127	Pili for nanowires. <i>Nature Microbiology</i> , 2021, 6, 1347-1348.	5.9	8
128	Dynamics of plc gene transcription and ϵ -toxin production during growth of <i>Clostridium perfringens</i> strains with contrasting ϵ -toxin production. <i>Veterinary Microbiology</i> , 2009, 139, 202-206.	0.8	7
129	In situ structure/function studies in wastewater treatment systems. <i>Water Science and Technology</i> , 1998, 37, 413-416.	1.2	7
130	Temporal and spatial microbiome dynamics across natural populations of the social spider <i>Stegodyphus dumicola</i> . <i>FEMS Microbiology Ecology</i> , 2022, 98, .	1.3	7
131	Triculamin: An Unusual Lasso Peptide with Potent Antimycobacterial Activity. <i>Journal of Natural Products</i> , 2022, 85, 1514-1521.	1.5	7
132	The myth of antibiotic spider silk. <i>iScience</i> , 2021, 24, 103125.	1.9	6
133	Microsensors for the Study of Microenvironments and Processes in the Intestine of Invertebrates. , 2006, , 463-473.		5
134	The importance of environmental microbes for <i>Drosophila melanogaster</i> during seasonal macronutrient variability. <i>Scientific Reports</i> , 2021, 11, 18850.	1.6	5
135	Host Plant Availability and Nest-Site Selection of the Social Spider <i>Stegodyphus dumicola</i> Pocock, 1898 (Eresidae). <i>Insects</i> , 2022, 13, 30.	1.0	5
136	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
137	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
138	Tracing long-distance electron transfer and cable bacteria in freshwater sediments by agar pillar gradient columns. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	1.3	4
139	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
140	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
141	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> . <i>Antonie Van Leeuwenhoek</i> , 2021, 114, 325-335.	0.7	2
142	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
143	Metabolite Profiling of the Social Spider <i>Stegodyphus dumicola</i> Along a Climate Gradient. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	1.1	1
144	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

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145	Functional and structural response of ammonia and VOC converting biofilm to variations in air loading and water management. , 2010, , 109-109.		0
146	Regulation of ammonia oxidation in biotrickling air filters. , 2010, , 111-112.		0