# 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 | Asgard archaea illuminate the origin of eukaryotic cellular complexity. Nature, 2017, 541, 353-358. | 13.7 | 882 |
| 2 | Predominant archaea in marine sediments degrade detrital proteins. Nature, 2013, 496, 215-218. | 13.7 | 526 |
| 3 | Filamentous bacteria transport electrons over centimetre distances. Nature, 2012, 491, 218-221. | 13.7 | 475 |
| 4 | Identification and Activities In Situ of Nitrosospira and Nitrospira spp. as Dominant Populations in a Nitrifying Fluidized Bed Reactor. Applied and Environmental Microbiology, 1998, 64, 3480-3485. | 1.4 | 448 |
| 5 | Microscale Distribution of Populations and Activities of Nitrosospira and Nitrospira spp. along a Macroscale Gradient in a Nitrifying Bioreactor: Quantification by In Situ Hybridization and the Use of Microsensors. Applied and Environmental Microbiology, 1999, 65, 3690-3696. | 1.4 | 431 |
| 6 | Methylotrophic methanogenic Thermoplasmata implicated in reduced methane emissions from bovine rumen. Nature Communications, 2013, 4, 1428. | 5.8 | 328 |
| 7 | Community Structure and Activity Dynamics of Nitrifying Bacteria in a Phosphate-Removing Biofilm. Applied and Environmental Microbiology, 2001, 67, 1351-1362. | 1.4 | 297 |
| 8 | Hydrogenotrophic Methanogenesis by Moderately Acid-Tolerant Methanogens of a Methane-Emitting Acidic Peat. Applied and Environmental Microbiology, 2003, 69, 74-83. | 1.4 | 251 |
| 9 | Microenvironments and distribution of nitrifying bacteria in a membrane-bound biofilm. Environmental Microbiology, 2000, 2, 680-686. | 1.8 | 239 |
| 10 | The Earthworm Gut: an Ideal Habitat for Ingested N 2 O-Producing Microorganisms. Applied and Environmental Microbiology, 2003, 69, 1662-1669. | 1.4 | 235 |
| 11 | Dechloromonas denitrificans sp. nov., Flavobacterium denitrificans sp. nov., Paenibacillus anaericanus sp. nov. and Paenibacillus terrae strain MH72, N2O-producing bacteria isolated from the gut of the earthworm Aporrectodea caliginosa. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1255-1265. | 0.8 | 222 |
| 12 | Microbial community assembly and evolution in subseafloor sediment. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2940-2945. | 3.3 | 194 |
| 13 | Microalgae-bacteria symbiosis in microalgal growth and biofuel production: a review. Journal of Applied Microbiology, 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. Applied and Environmental Microbiology, 2009, 75, 7086-7096. | 1.4 | 177 |
| 15 | Genome sequencing of a single cell of the widely distributed marine subsurface Dehalococcoidia, phylum Chloroflexi. ISME Journal, 2014, 8, 383-397. | 4.4 | 172 |
| 16 | Archaea Dominate the Ammonia-Oxidizing Community in the Rhizosphere of the Freshwater Macrophyte Littorella uniflora. Applied and Environmental Microbiology, 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. Applied and Environmental Microbiology, 2009, 75, 3127-3136. | 1.4 | 151 |
| 18 | A taxonomic framework for cable bacteria and proposal of the candidate genera Electrothrix and Electronema. Systematic and Applied Microbiology, 2016, 39, 297-306. | 1.2 | 151 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Succession of cable bacteria and electric currents in marine sediment. ISME Journal, 2014, 8, 1314-1322. | 4.4 | 134 |
| 20 | On the Occurrence of Anoxic Microniches, Denitrification, and Sulfate Reduction in Aerated Activated Sludge. Applied and Environmental Microbiology, 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. FEMS Microbiology Ecology, 2008, 63, 192-204. | 1.3 | 127 |
| 22 | 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 |
| 23 | Disguised as a Sulfate Reducer: Growth of the Deltaproteobacterium Desulfurivibrio alkaliphilus by Sulfide Oxidation with Nitrate. MBio, 2017, 8, . | 1.8 | 122 |
| 24 | In situ distribution and activity of nitrifying bacteria in freshwater sediment. Environmental Microbiology, 2003, 5, 798-803. | 1.8 | 117 |
| 25 | Electric coupling between distant nitrate reduction and sulfide oxidation in marine sediment. ISME Journal, 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. Water Research, 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. Environmental Microbiology, 2002, 4, 713-720. | 1.8 | 113 |
| 28 | Cable Bacteria in Freshwater Sediments. Applied and Environmental Microbiology, 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. Continental Shelf Research, 2000, 20, 1749-1769. | 0.9 | 106 |
| 30 | 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 |
| 31 | Tolerance and Metabolic Response of Acetogenic Bacteria toward Oxygen. Applied and Environmental Microbiology, 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. Applied and Environmental Microbiology, 2006, 72, 1019-1026. | 1.4 | 100 |
| 33 | N 2 O-Producing Microorganisms in the Gut of the Earthworm Aporrectodea caliginosa Are Indicative of Ingested Soil Bacteria. Applied and Environmental Microbiology, 2003, 69, 1655-1661. | 1.4 | 90 |
| 34 | Defluviimonas denitrificans gen. nov., sp. nov., and Pararhodobacter aggregans gen. nov., sp. nov., non-phototrophic Rhodobacteraceae from the biofilter of a marine aquaculture. Systematic and Applied Microbiology, 2011, 34, 498-502. | 1.2 | 90 |
| 35 | 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 |
| 36 | Extracellular DNA in adhesion and biofilm formation of four environmental isolates: a quantitative study. FEMS Microbiology Ecology, 2013, 86, 394-403. | 1.3 | 86 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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. Water Research, 2011, 45, 3845-3854. | 5.3 | 80 |
| 38 | Single-Cell Genome and Group-Specific dsrAB Sequencing Implicate Marine Members of the Class Dehalococcoidia (Phylum Chloroflexi ) in Sulfur Cycling. MBio, 2016, 7, . | 1.8 | 78 |
| 39 | Monitoring Precursor 16S rRNAs of Acinetobacter spp. in Activated Sludge Wastewater Treatment Systems. Applied and Environmental Microbiology, 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. Applied and Environmental Microbiology, 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. Frontiers in Microbiology, 2018, 9, 2038. | 1.5 | 69 |
| 42 | Acidovorax-like symbionts in the nephridia of earthworms. Environmental Microbiology, 2003, 5, 804-809. | 1.8 | 63 |
| 43 | Cable bacteria associated with longâ€distance electron transport in <scp>N</scp>ew <scp>E</scp>ngland salt marsh sediment. Environmental Microbiology Reports, 2015, 7, 175-179. | 1.0 | 63 |
| 44 | Micro-environments and mass transfer phenomena in biofilms studied with microsensors. Water Science and Technology, 1999, 39, 173-178. | 1.2 | 59 |
| 45 | In vitro production of necrotic enteritis toxin B, NetB, by netB-positive and netB-negative Clostridium perfringens originating from healthy and diseased broiler chickens. Veterinary Microbiology, 2010, 144, 231-235. | 0.8 | 59 |
| 46 | Marine Deep Biosphere Microbial Communities Assemble in Near-Surface Sediments in Aarhus Bay. Frontiers in Microbiology, 2019, 10, 758. | 1.5 | 54 |
| 47 | Depth Distribution and Assembly of Sulfate-Reducing Microbial Communities in Marine Sediments of Aarhus Bay. Applied and Environmental Microbiology, 2017, 83, . | 1.4 | 53 |
| 48 | Biofilm retention on surfaces with variable roughness and hydrophobicity. Biofouling, 2011, 27, 111-121. | 0.8 | 52 |
| 49 | Microbial N Transformations and N <sub>2</sub> O Emission after Simulated Grassland Cultivation: Effects of the Nitrification Inhibitor 3,4-Dimethylpyrazole Phosphate (DMPP). Applied and Environmental Microbiology, 2017, 83, . | 1.4 | 52 |
| 50 | Shell biofilmâ€associated nitrous oxide production in marine molluscs: processes, precursors and relative importance. Environmental Microbiology, 2013, 15, 1943-1955. | 1.8 | 51 |
| 51 | In Situ Analysis of Structure and Activity of the Nitrifying Community in Biofilms, Aggregates, and Sediments. Geomicrobiology Journal, 2003, 20, 313-333. | 1.0 | 47 |
| 52 | Distribution and Rate of Microbial Processes in an Ammonia-Loaded Air Filter Biofilm. Applied and Environmental Microbiology, 2009, 75, 3705-3713. | 1.4 | 47 |
| 53 | Nitrogen transformations in stratified aquatic microbial ecosystems. Antonie Van Leeuwenhoek, 2006, 90, 361-375. | 0.7 | 46 |
| 54 | Succession of Deferribacteres and Epsilonproteobacteria through a nitrate-treated high-temperature oil production facility. Systematic and Applied Microbiology, 2012, 35, 165-174. | 1.2 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | 3,4-Dimethylpyrazole phosphate (DMPP) reduces activity of ammonia oxidizers without adverse effects on non-target soil microorganisms and functions. Applied Soil Ecology, 2016, 105, 67-75. | 2.1 | 46 |
| 56 | Motility of Electric Cable Bacteria. Applied and Environmental Microbiology, 2016, 82, 3816-3821. | 1.4 | 46 |
| 57 | Microsensors as a tool to determine chemical microgradients and bacterial activity in wastewater biofilms and flocs. Biodegradation, 1998, 9, 159-167. | 1.5 | 45 |
| 58 | Endozoicomonas Are Specific, Facultative Symbionts of Sea Squirts. Frontiers in Microbiology, 2016, 7, 1042. | 1.5 | 43 |
| 59 | Shell Biofilm Nitrification and Gut Denitrification Contribute to Emission of Nitrous Oxide by the Invasive Freshwater Mussel Dreissena polymorpha (Zebra Mussel). Applied and Environmental Microbiology, 2012, 78, 4505-4509. | 1.4 | 42 |
| 60 | Nitrous oxide production associated with coastal marine invertebrates. Marine Ecology - Progress Series, 2010, 415, 1-9. | 0.9 | 42 |
| 61 | Electrogenic sulfide oxidation mediated by cable bacteria stimulates sulfate reduction in freshwater sediments. ISME Journal, 2020, 14, 1233-1246. | 4.4 | 41 |
| 62 | Ant-mediated effects on spruce litter decomposition, solution chemistry, and microbial activity. Soil Biology and Biochemistry, 2006, 38, 561-572. | 4.2 | 39 |
| 63 | The novel bacterial phylum Calditrichaeota is diverse, widespread and abundant in marine sediments and has the capacity to degrade detrital proteins. Environmental Microbiology Reports, 2017, 9, 397-403. | 1.0 | 39 |
| 64 | Oxygen Distribution and Potential Ammonia Oxidation in Floating, Liquid Manure Crusts. Journal of Environmental Quality, 2010, 39, 1813-1820. | 1.0 | 38 |
| 65 | Micro-environments and mass transfer phenomena in biofilms studied with microsensors. Water Science and Technology, 1999, 39, 173. | 1.2 | 37 |
| 66 | Transient bottom water oxygenation creates a niche for cable bacteria in longâ€term anoxic sediments of the Eastern Gotland Basin. Environmental Microbiology, 2018, 20, 3031-3041. | 1.8 | 37 |
| 67 | Geminicoccus roseus gen. nov., sp. nov., an aerobic phototrophic Alphaproteobacterium isolated from a marine aquaculture biofilter. Systematic and Applied Microbiology, 2007, 30, 581-586. | 1.2 | 36 |
| 68 | Greenhouse Gas Microbiology in Wet and Dry Straw Crust Covering Pig Slurry. Journal of Environmental Quality, 2009, 38, 1311-1319. | 1.0 | 36 |
| 69 | Dynamic microbial response of sulfidogenic wastewater biofilm to nitrate. Applied Microbiology and Biotechnology, 2011, 91, 1647-1657. | 1.7 | 36 |
| 70 | Diversity and host specificity of the Verminephrobacterâ€“earthworm symbiosis. Environmental Microbiology, 2010, 12, 2142-2151. | 1.8 | 32 |
| 71 | Bacterial community structure of a full-scale biofilter treating pig house exhaust air. Systematic and Applied Microbiology, 2011, 34, 344-352. | 1.2 | 32 |
| 72 | Cable bacteria at oxygenâ€releasing roots of aquatic plants: a widespread and diverse plantâ€“microbe association. New Phytologist, 2021, 232, 2138-2151. | 3.5 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Microbial community diversity and composition varies with habitat characteristics and biofilm function in macrophyteâ€rich streams. Oikos, 2017, 126, 398-409. | 1.2 | 30 |
| 74 | Chironomus plumosus larvae increase fluxes of denitrification products and diversity of nitrate-reducing bacteria in freshwater sediment. Systematic and Applied Microbiology, 2014, 37, 51-59. | 1.2 | 29 |
| 75 | Mitigating N2O emissions from clover residues by 3,4-dimethylpyrazole phosphate (DMPP) without adverse effects on the earthworm Lumbricus terrestris. Soil Biology and Biochemistry, 2017, 104, 95-107. | 4.2 | 29 |
| 76 | High quality draft genome sequence of Janthinobacterium psychrotolerans sp. nov., isolated from a frozen freshwater pond. Standards in Genomic Sciences, 2017, 12, 8. | 1.5 | 28 |
| 77 | Oxygen consumption of individual cable bacteria. Science Advances, 2021, 7, . | 4.7 | 28 |
| 78 | Description of Endozoicomonas ascidiicola sp. nov., isolated from Scandinavian ascidians. Systematic and Applied Microbiology, 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 N2O. , 2006, , 65-87. | | 25 |
| 80 | Beneficial Effect of Verminephrobacter Nephridial Symbionts on the Fitness of the Earthworm Aporrectodea tuberculata. Applied and Environmental Microbiology, 2010, 76, 4738-4743. | 1.4 | 25 |
| 81 | Purifying Selection and Molecular Adaptation in the Genome of Verminephrobacter, the Heritable Symbiotic Bacteria of Earthworms. Genome Biology and Evolution, 2012, 4, 307-315. | 1.1 | 25 |
| 82 | Detection of denitrification genes by in situ rolling circle amplificationâ€fluorescence in situ hybridization to link metabolic potential with identity inside bacterial cells. Environmental Microbiology, 2010, 12, 2508-2517. | 1.8 | 24 |
| 83 | The earthwormÃ¢â‚¬â€Verminephrobacter symbiosis: an emerging experimental system to study extracellular symbiosis. Frontiers in Microbiology, 2014, 5, 128. | 1.5 | 23 |
| 84 | Lactovum miscens gen. nov., sp. nov., an aerotolerant, psychrotolerant, mixed-fermentative anaerobe from acidic forest soil. Research in Microbiology, 2004, 155, 847-854. | 1.0 | 22 |
| 85 | Ammoniaâ€oxidizing B acteria of the N itrosospira cluster 1 dominate over ammoniaâ€oxidizing A rchaea in oligotrophic surface sediments near the S outh A tlantic G yre. Environmental Microbiology Reports, 2015, 7, 404-413. | 1.0 | 22 |
| 86 | Biogeochemical functioning of the Baltic Sea. Earth System Dynamics, 2022, 13, 633-685. | 2.7 | 22 |
| 87 | Higher nitrate-reducer diversity in macrophyte-colonized compared to unvegetated freshwater sediment. Systematic and Applied Microbiology, 2012, 35, 465-472. | 1.2 | 21 |
| 88 | Respiratory Kinetics of Marine Bacteria Exposed to Decreasing Oxygen Concentrations. Applied and Environmental Microbiology, 2016, 82, 1412-1422. | 1.4 | 21 |
| 89 | Dissimilatory nitrate reduction by a freshwater cable bacterium. ISME Journal, 2022, 16, 50-57. | 4.4 | 21 |
| 90 | Temporal variation of nitrification rates in experimental freshwater sediments enriched with ammonia or nitrite. FEMS Microbiology Ecology, 2003, 46, 63-71. | 1.3 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Direct Nitrous Oxide Emission from the Aquacultured Pacific White Shrimp (Litopenaeus vannamei). Applied and Environmental Microbiology, 2016, 82, 4028-4034. | 1.4 | 20 |
| 92 | Microbiomes and Specific Symbionts of Social Spiders: Compositional Patterns in Host Species, Populations, and Nests. Frontiers in Microbiology, 2020, 11, 1845. | 1.5 | 20 |
| 93 | Characterization of Microbial Communities of Biofilters by Phospholipid Fatty Acid Analysis and rRNA Targeted Oligonucleotide Probes. Systematic and Applied Microbiology, 1999, 22, 626-634. | 1.2 | 19 |
| 94 | The effect of feeding a commercial essential oil product on Clostridium perfringens numbers in the intestine of broiler chickens measured by real-time PCR targeting the Î±-toxin-encoding gene (plc). Animal Feed Science and Technology, 2010, 157, 181-189. | 1.1 | 19 |
| 95 | A Novel Extracellular Gut Symbiont in the Marine Worm Priapulus caudatus (Priapulida) Reveals an Alphaproteobacterial Symbiont Clade of the Ecdysozoa. Frontiers in Microbiology, 2016, 7, 539. | 1.5 | 19 |
| 96 | Visualizing the dental biofilm matrix by means of fluorescence lectin-binding analysis. Journal of Oral Microbiology, 2017, 9, 1345581. | 1.2 | 19 |
| 97 | Seasonal Methane Oxidation Potential in Manure Crusts. Applied and Environmental Microbiology, 2013, 79, 407-410. | 1.4 | 18 |
| 98 | Fluorescence in situ hybridization (FISH) detection of nitrite reductase transcripts (nirS mRNA) in Pseudomonas stutzeri biofilms relative to a microscale oxygen gradient. Systematic and Applied Microbiology, 2012, 35, 513-517. | 1.2 | 17 |
| 99 | Spatial separation of ribosomes and DNA in Asgard archaeal cells. ISME Journal, 2022, 16, 606-610. | 4.4 | 17 |
| 100 | Structure and function of a nitrifying biofilm as determined by microelectrodes and fluorescent oligonucleotide probes. Water Science and Technology, 1997, 36, 263. | 1.2 | 16 |
| 101 | Two Types of Endosymbiotic Bacteria in the Enigmatic Marine Worm Xenoturbella bocki. Applied and Environmental Microbiology, 2010, 76, 2657-2662. | 1.4 | 16 |
| 102 | Effect of nitrate on sulfur transformations in sulfidogenic sludge of a marine aquaculture biofilter. FEMS Microbiology Ecology, 2010, 72, 476-484. | 1.3 | 16 |
| 103 | Regulation of nitrous oxide emission associated with benthic invertebrates. Freshwater Biology, 2010, 55, 1647-1657. | 1.2 | 16 |
| 104 | Control of nitrous oxide emission from Chironomus plumosus larvae by nitrate and temperature. Limnology and Oceanography, 2010, 55, 872-884. | 1.6 | 16 |
| 105 | Distinct effects of the nephridial symbionts Verminephrobacter and Candidatus Nephrothrix on reproduction and maturation of its earthworm host Eisenia andrei. FEMS Microbiology Ecology, 2018, 94, . | 1.3 | 16 |
| 106 | How to grow your cable bacteria: Establishment of a stable single-strain culture in sediment and proposal of Candidatus Electronema aureum GS. Systematic and Applied Microbiology, 2021, 44, 126236. | 1.2 | 16 |
| 107 | Verminephrobacter aporrectodeae sp. nov. subsp. tuberculatae and subsp. caliginosae, the specific nephridial symbionts of the earthworms Aporrectodea tuberculata and A. caliginosa. Antonie Van Leeuwenhoek, 2012, 101, 507-514. | 0.7 | 15 |
| 108 | Evolution of the tripartite symbiosis between earthworms, Verminephrobacter and Flexibacter-like bacteria. Frontiers in Microbiology, 2015, 6, 529. | 1.5 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Male spiders control offspring sex ratio through greater production of female-determining sperm. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172887. | 1.2 | 15 |
| 110 | Antimicrobial Compounds in the Volatilome of Social Spider Communities. Frontiers in Microbiology, 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. Marine Genomics, 2019, 46, 66-69. | 0.4 | 14 |
| 112 | Anaerobic processes in activated sludge. Water Science and Technology, 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. Proceedings of the Water Environment Federation, 2007, 2007, 3099-3119. | 0.0 | 13 |
| 114 | Sequence variation in the Î±-toxin encoding plc gene of Clostridium perfringens strains isolated from diseased and healthy chickens. Veterinary Microbiology, 2009, 136, 293-299. | 0.8 | 13 |
| 115 | Title is missing!. Hydrobiologia, 2002, 469, 165-178. | 1.0 | 12 |
| 116 | Flow Cytometry-Assisted Cloning of Specific Sequence Motifs from Complex 16S rRNA Gene Libraries. Applied and Environmental Microbiology, 2004, 70, 7550-7554. | 1.4 | 12 |
| 117 | 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 |
| 118 | Gene expression of terminal oxidases in two marine bacterial strains exposed to nanomolar oxygen concentrations. FEMS Microbiology Ecology, 2018, 94, . | 1.3 | 12 |
| 119 | The bacterial and fungal nest microbiomes in populations of the social spider Stegodyphus dumicola. Systematic and Applied Microbiology, 2021, 44, 126222. | 1.2 | 12 |
| 120 | Anaerobic processes in activated sludge. Water Science and Technology, 1998, 37, 605. | 1.2 | 11 |
| 121 | Intracellular nitrate storage by diatoms can be an important nitrogen pool in freshwater and marine ecosystems. Communications Earth & Environment, 2022, 3, . | 2.6 | 11 |
| 122 | Nitrifying Community Analysis in a Single Submerged Attachedâ€€Growth Bioreactor for Treatment of Highâ€€Ammonia Waste Stream. Water Environment Research, 2007, 79, 2510-2518. | 1.3 | 10 |
| 123 | Biparental transmission of Verminephrobacter symbionts in the earthworm Aporrectodea tuberculata (Lumbricidae). FEMS Microbiology Ecology, 2017, 93, . | 1.3 | 10 |
| 124 | Control of nitrous oxide emission from Chironomus plumosus larvae by nitrate and temperature. Limnology and Oceanography, 2010, 55, 872-884. | 1.6 | 10 |
| 125 | Genomic insights into the Agromyces-like symbiont of earthworms and its distribution among host species. FEMS Microbiology Ecology, 2018, 94, . | 1.3 | 9 |
| 126 | Phyllobacterium calauticae sp. nov. isolated from a microaerophilic veil transversed by cable bacteria in freshwater sediment. Antonie Van Leeuwenhoek, 2021, 114, 1877-1887. | 0.7 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Pili for nanowires. Nature Microbiology, 2021, 6, 1347-1348. | 5.9 | 8 |
| 128 | Dynamics of plc gene transcription and Î±-toxin production during growth of Clostridium perfringens strains with contrasting Î±-toxin production. Veterinary Microbiology, 2009, 139, 202-206. | 0.8 | 7 |
| 129 | In situ structure/function studies in wastewater treatment systems. Water Science and Technology, 1998, 37, 413-416. | 1.2 | 7 |
| 130 | Temporal and spatial microbiome dynamics across natural populations of the social spider Stegodyphus dumicola. FEMS Microbiology Ecology, 2022, 98, . | 1.3 | 7 |
| 131 | Triculamin: An Unusual Lasso Peptide with Potent Antimycobacterial Activity. Journal of Natural Products, 2022, 85, 1514-1521. | 1.5 | 7 |
| 132 | The myth of antibiotic spider silk. IScience, 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 Drosophila melanogaster during seasonal macronutrient variability. Scientific Reports, 2021, 11, 18850. | 1.6 | 5 |
| 135 | Host Plant Availability and Nest-Site Selection of the Social Spider Stegodyphus dumicola Pocock, 1898 (Eresidae). Insects, 2022, 13, 30. | 1.0 | 5 |
| 136 | Draft genome sequence of Bacillus azotoformans MEV2011, a (Co-) denitrifying strain unable to grow with oxygen. Standards in Genomic Sciences, 2014, 9, 23. | 1.5 | 4 |
| 137 | Draft genome sequence of Bacillus azotoformans MEV2011, a (Co-) denitrifying strain unable to grow with oxygen. Standards in Genomic Sciences, 2015, 10, 4. | 1.5 | 4 |
| 138 | Tracing long-distance electron transfer and cable bacteria in freshwater sediments by agar pillar gradient columns. FEMS Microbiology Ecology, 2022, 98, . | 1.3 | 4 |
| 139 | Earthworm ecology affects the population structure of their Verminephrobacter symbionts. Systematic and Applied Microbiology, 2016, 39, 170-172. | 1.2 | 3 |
| 140 | Intracellular nitrate in sediments of an oxygen-deficient marine basin is linked to pelagic diatoms. FEMS Microbiology Ecology, 2018, 94, . | 1.3 | 3 |
| 141 | An antimicrobial Staphylococcus sciuri with broad temperature and salt spectrum isolated from the surface of the African social spider, Stegodyphus dumicola. Antonie Van Leeuwenhoek, 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. Proceedings of the Water Environment Federation, 2007, 2007, 437-454. | 0.0 | 1 |
| 143 | Metabolite Profiling of the Social Spider Stegodyphus dumicola Along a Climate Gradient. Frontiers in Ecology and Evolution, 2022, 10, . | 1.1 | 1 |
| 144 | Draft Genome Sequence of Bacillus subtilis SB-14, an Antimicrobially Active Isolate from Namibian Social Spiders ( Stegodyphus dumicola ). Microbiology Resource Announcements, 2019, 8, . | 0.3 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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 |