# Laura van Niftrik

List of Publications by Year
in descending order



| 54 | 5,645 | 172457 | 175258 |
|---|---|---|---|
| papers | citations | 29 h-index | 52 g-index |

| 54 | 54 | 54 | 4360 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Endocarditis Caused by Nontypeable Streptococcus pneumoniae. Clinical Infectious Diseases, 2022, 75, 719-722. | 5.8 | 2 |
| 2 | Antimicrobial Late Cornified Envelope Proteins: The Psoriasis Risk Factor Deletion of LCE3B/C Genes Affects Microbiota Composition. Journal of Investigative Dermatology, 2022, 142, 1947-1955.e6. | 0.7 | 5 |
| 3 | Structural and functional characterization of the intracellular filament-forming nitrite oxidoreductase multiprotein complex. Nature Microbiology, 2021, 6, 1129-1139. | 13.3 | 25 |
| 4 | The Polygonal Cell Shape and Surface Protein Layer of Anaerobic Methane-Oxidizing Methylomirabilislanthanidiphila Bacteria. Frontiers in Microbiology, 2021, 12, 766527. | 3.5 | 2 |
| 5 | Nutrient Limitation Causes Differential Expression of Transport- and Metabolism Genes in the Compartmentalized Anammox Bacterium Kuenenia stuttgartiensis. Frontiers in Microbiology, 2020, 11, 1959. | 3.5 | 14 |
| 6 | Multiheme hydroxylamine oxidoreductases produce NO during ammonia oxidation in methanotrophs. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24459-24463. | 7.1 | 25 |
| 7 | Growth on Carbohydrates from Carbonaceous Meteorites Alters the Immunogenicity of Environment-Derived Bacterial Pathogens. Astrobiology, 2020, 20, 1353-1362. | 3.0 | 3 |
| 8 | Non-essentiality of canonical cell division genes in the planctomycete Planctopirus limnophila. Scientific Reports, 2020, 10, 66. | 3.3 | 26 |
| 9 | Extracellular electron transfer-dependent anaerobic oxidation of ammonium by anammox bacteria. Nature Communications, 2020, 11, 2058. | 12.8 | 168 |
| 10 | The Anammoxosome Organelle: The Power Plant of Anaerobic Ammonium-Oxidizing (Anammox) Bacteria. Microbiology Monographs, 2020, , 107-123. | 0.6 | 1 |
| 11 | Complexome analysis of the nitrite-dependent methanotroph Methylomirabilis lanthanidiphila. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 734-744. | 1.0 | 18 |
| 12 | Planctomycetes. , 2019, , 614-614. | | 10 |
| 13 | Characterization of a novel cytochrome c as the electron acceptor of XoxF-MDH in the thermoacidophilic methanotroph Methylacidiphilum fumariolicum SolV. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 595-603. | 2.3 | 25 |
| 14 | Trending topics and open questions in anaerobic ammonium oxidation. Current Opinion in Chemical Biology, 2019, 49, 45-52. | 6.1 | 69 |
| 15 | Characterization of the first planctomycetal outer membrane protein identifies a channel in the outer membrane of the anammox bacterium Kuenenia stuttgartiensis. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 767-776. | 2.6 | 9 |
| 16 | Community Composition and Ultrastructure of a Nitrate-Dependent Anaerobic Methane-Oxidizing Enrichment Culture. Applied and Environmental Microbiology, 2018, 84, . | 3.1 | 28 |
| 17 | Bioreactor virome metagenomics sequencing using DNA spike-ins. PeerJ, 2018, 6, e4351. | 2.0 | 3 |
| 18 | Determining the bacterial cell biology of Planctomycetes. Nature Communications, 2017, 8, 14853. | 12.8 | 175 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Editorial: Planctomycetes-Verrucomicrobia-Chlamydiae Bacterial Superphylum: New Model Organisms for Evolutionary Cell Biology. Frontiers in Microbiology, 2017, 8, 1458. | 3.5 | 28 |
| 20 | The S-Layer Protein of the Anammox Bacterium Kuenenia stuttgartiensis Is Heavily O-Glycosylated. Frontiers in Microbiology, 2016, 7, 1721. | 3.5 | 19 |
| 21 | Ultrastructure and Viral Metagenome of Bacteriophages from an Anaerobic Methane Oxidizing Methylomirabilis Bioreactor Enrichment Culture. Frontiers in Microbiology, 2016, 7, 1740. | 3.5 | 13 |
| 22 | Branchial nitrogen cycle symbionts can remove ammonia in fish gills. Environmental Microbiology Reports, 2016, 8, 590-594. | 2.4 | 34 |
| 23 | Cytochromes c in Archaea: distribution, maturation, cell architecture, and the special case of Ignicoccus hospitalis. Frontiers in Microbiology, 2015, 6, 439. | 3.5 | 70 |
| 24 | Anammox Planctomycetes have a peptidoglycan cell wall. Nature Communications, 2015, 6, 6878. | 12.8 | 194 |
| 25 | XoxF-Type Methanol Dehydrogenase from the Anaerobic Methanotroph â€œCandidatus Methylomirabilis oxyferaâ€• Applied and Environmental Microbiology, 2015, 81, 1442-1451. | 3.1 | 75 |
| 26 | Immunogold Localization of Key Metabolic Enzymes in the Anammoxosome and on the Tubule-Like Structures of Kuenenia stuttgartiensis. Journal of Bacteriology, 2015, 197, 2432-2441. | 2.2 | 52 |
| 27 | Characterization of Romboutsia ilealis gen. nov., sp. nov., isolated from the gastro-intestinal tract of a rat, and proposal for the reclassification of five closely related members of the genus Clostridium into the genera Romboutsia gen. nov., Intestinibacter gen. nov., Terrisporobacter gen. nov. and Asaccharospora gen. nov.. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 1600-1616. | 1.7 | 259 |
| 28 | Isolation and characterization of a prokaryotic cell organelle from the anammox bacterium <scp>K</scp>uenenia stuttgartiensis. Molecular Microbiology, 2014, 94, 794-802. | 2.5 | 72 |
| 29 | A New Addition to the Cell Plan of Anammox Bacteria: "Candidatus Kuenenia stuttgartiensis" Has a Protein Surface Layer as the Outermost Layer of the Cell. Journal of Bacteriology, 2014, 196, 80-89. | 2.2 | 50 |
| 30 | Expanding the Verrucomicrobial Methanotrophic World: Description of Three Novel Species of Methylacidimicrobium gen. nov. Applied and Environmental Microbiology, 2014, 80, 6782-6791. | 3.1 | 161 |
| 31 | Cell biology of unique anammox bacteria that contain an energy conserving prokaryotic organelle. Antonie Van Leeuwenhoek, 2013, 104, 489-497. | 1.7 | 13 |
| 32 | The Anammoxosome Organelle Is Crucial for the Energy Metabolism of Anaerobic Ammonium Oxidizing Bacteria. Journal of Molecular Microbiology and Biotechnology, 2013, 23, 104-117. | 1.0 | 29 |
| 33 | A novel marine nitrite-oxidizing Nitrospira species from Dutch coastal North Sea water. Frontiers in Microbiology, 2013, 4, 60. | 3.5 | 30 |
| 34 | Cell Biology of Anaerobic Ammonium-Oxidizing Bacteria: Unique Prokaryotes with an Energy-Conserving Intracellular Compartment. , 2013, , 89-123. | | 7 |
| 35 | Anaerobic Ammonium-Oxidizing Bacteria: Unique Microorganisms with Exceptional Properties. Microbiology and Molecular Biology Reviews, 2012, 76, 585-596. | 6.6 | 220 |
| 36 | Ultrastructure of the Denitrifying Methanotroph â€œCandidatus Methylomirabilis oxyfera,â€•a Novel Polygon-Shaped Bacterium. Journal of Bacteriology, 2012, 194, 284-291. | 2.2 | 56 |

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|---|---|---|---|
| 37 | Anammoxâ€"Growth Physiology, Cell Biology, and Metabolism. Advances in Microbial Physiology, 2012, 60, 211-262. | 2.4 | 175 |
| 38 | Mimicking the oxygen minimum zones: stimulating interaction of aerobic archaeal and anaerobic bacterial ammonia oxidizers in a laboratoryâ€scale model system. Environmental Microbiology, 2012, 14, 3146-3158. | 3.8 | 100 |
| 39 | Genomic and Physiological Analysis of Carbon Storage in the Verrucomicrobial Methanotroph â€œCa. Methylacidiphilum Fumariolicumâ€SolV. Frontiers in Microbiology, 2012, 3, 345. | 3.5 | 61 |
| 40 | Co-localization of particulate methane monooxygenase and cd1 nitrite reductase in the denitrifying methanotroph â€˜Candidatus Methylomirabilis oxyferaâ€™. FEMS Microbiology Letters, 2012, 334, 49-56. | 1.8 | 27 |
| 41 | A new intra-aerobic metabolism in the nitrite-dependent anaerobic methane-oxidizing bacterium Candidatus â€˜Methylomirabilis oxyferaâ€™. Biochemical Society Transactions, 2011, 39, 243-248. | 3.4 | 153 |
| 42 | The ultrastructure of the compartmentalized anaerobic ammonium-oxidizing bacteria is linked to their energy metabolism. Biochemical Society Transactions, 2011, 39, 1805-1810. | 3.4 | 12 |
| 43 | Detection, Isolation, and Characterization of Acidophilic Methanotrophs from Sphagnum Mosses. Applied and Environmental Microbiology, 2011, 77, 5643-5654. | 3.1 | 93 |
| 44 | Intracellular localization of membraneâ€bound ATPases in the compartmentalized anammox bacterium â€˜Candidatus Kuenenia stuttgartiensisâ€™. Molecular Microbiology, 2010, 77, 701-715. | 2.5 | 71 |
| 45 | Cell division ring, a new cell division protein and vertical inheritance of a bacterial organelle in anammox planctomycetes. Molecular Microbiology, 2009, 73, 1009-1019. | 2.5 | 53 |
| 46 | Carbon isotope-labelling experiments indicate that ladderane lipids of anammox bacteria are synthesized by a previously undescribed, novel pathway. FEMS Microbiology Letters, 2009, 292, 115-122. | 1.8 | 19 |
| 47 | Biochemistry and molecular biology of anammox bacteria. Critical Reviews in Biochemistry and Molecular Biology, 2009, 44, 65-84. | 5.2 | 441 |
| 48 | Ladderane lipid distribution in four genera of anammox bacteria. Archives of Microbiology, 2008, 190, 51-66. | 2.2 | 92 |
| 49 | Candidatus Ã¢Â€Â˜Brocadia fulgidaÃ¢Â€Â™: an autofluorescent anaerobic ammonium oxidizing bacterium. FEMS Microbiology Ecology, 2008, 63, 46-55. | 2.7 | 388 |
| 50 | Enrichment and characterization of marine anammox bacteria associated with global nitrogen gas production. Environmental Microbiology, 2008, 10, 3120-3129. | 3.8 | 231 |
| 51 | Combined structural and chemical analysis of the anammoxosome: A membrane-bounded intracytoplasmic compartment in anammox bacteria. Journal of Structural Biology, 2008, 161, 401-410. | 2.8 | 176 |
| 52 | Linking Ultrastructure and Function in Four Genera of Anaerobic Ammonium-Oxidizing Bacteria: Cell Plan, Glycogen Storage, and Localization of Cytochrome c Proteins. Journal of Bacteriology, 2008, 190, 708-717. | 2.2 | 163 |
| 53 | Deciphering the evolution and metabolism of an anammox bacterium from a community genome. Nature, 2006, 440, 790-794. | 27.8 | 1,075 |
| 54 | Biomarkers for In Situ Detection of Anaerobic Ammonium-Oxidizing (Anammox) Bacteria. Applied and Environmental Microbiology, 2005, 71, 1677-1684. | 3.1 | 325 |