

Publication list – Michael Wagner

I have published between 1992-2018 in my six major research fields (nitrification, single cell microbiology, microbiome, wastewater microbiology, endosymbionts, sulfate reduction) 236 papers and more than 30 book chapters. According to Scopus (28. Oct. 2018) my publications have been cited 32,649x (ISI: 31,078; Google Scholar: 47,677) and I have an H-index of 96 (ISI: 94; Google Scholar: 117). Seven of my publications appeared in *Nature* (plus a News & Views piece), three in *Science*, eleven in *PNAS* (all direct submission) and two in *PLoS Biology*. More info about my publications can be found at:

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57200814774>
ResearcherID: <http://www.researcherid.com/rid/A-7801-2011>
GoogleScholar: https://scholar.google.com/citations?user=JF6OQ_0AAAAJ&hl=de

236. **Zumstein MT, Schintlmeister A, Nelson TF, Baumgartner R, Wuebken D, Wagner M, Kohler H-PE, McNeill K, Sander M.** 2018. Biodegradation of synthetic polymers in soils: Tracking carbon into CO₂ and microbial biomass. *Science Advances*, 4: eaas9024

235. **Bjerg JT, Boschker HTS, Larsen S, Berry D, Schmid M, Millo D, Tataru P, Meysman FJR, Wagner M, Nielsen LP, Schramm A.** 2018. Long-distance electron transport in individual, living cable bacteria. *Proc Natl Acad Sci U S A*, 115:5786-5791

234. **Reese A, Pereira F, Schintlmeister A, Berry D, Wagner M, Hale L, Wu A, Jiang S, Durand H, Zhou X, Premont R, Diehl AM, O'Connell T, Alberts S, Kartzinel T, Pringle R, Dunn R, Wright J, and David L.** 2018. Microbial nitrogen limitation in the mammalian large intestine *Nat. Microbiol.*, in press.

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232. **Yu Y, Han P, Zhou L-J, Li Z, Wagner M, Men Y.** 2018. Ammonia monooxygenase-mediated cometabolic biotransformation and hydroxylamine-mediated abiotic transformation of micropollutants in an AOB/NOB co-culture. *Environ. Sci. Technol.* 52:9196-9205

231. **Daims H, Wagner M.** 2018. Nitrospira. *Trends Microbiol.*, 5: 462-463

230. **Webster NS, Wagner M, Negri AP.** 2018. Microbial conservation in the Anthropocene. *Environ. Microbiol.*, in press

229. **Hausmann B, Pjevac P, Schreck K, Herbold CW, Daims H, Wagner M, Loy A.** 2018. Draft genome sequence of *Telmatospirillum siberiense* 26-4b1T, an acidotolerant peatland alphaproteobacterium potentially involved in sulfur cycling. *Genome Announc*, 6 (4). doi: 10.1128/genomeA.01524-17

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227. **Daebeler A, Herbold C, Vierheilig J, Sedlacek CJ, Pjevac P, Albertsen M, Kirkegaard RH, De La Torre JR, Daims H, Wagner M.** 2018. Cultivation and genomic analysis of “*Candidatus Nitrosocaldus islandicus*”, an obligately thermophilic, ammonia-oxidizing thaumarchaeon from a hot spring biofilm in Graendalur valley, Iceland. *Front Microbiol*, **9**: 193
226. **Kits KD, Sedlacek CJ, Lebedeva EV, Han P, Bulaev A, Pjevac P, Daebeler A, Romano S, Albertsen M, Stein LY, Daims H, Wagner M.** 2017. Kinetic analysis of a complete nitrifier reveals an oligotrophic lifestyle. *Nature*, **549**: 269-272
225. **Pjevac P, Schauburger C, Poghosyan L, Herbold CW, van Kessel MAHJ, Daebeler A, Steinberger M, Jetten MSM, Luecker S, Wagner M, Daims H.** 2017. *AmoA*-targeted polymerase chain reaction primers for the specific detection and quantification of comammox *Nitrospira* in the environment. *Front Microbiol*, **8**: 1508
224. **Schulz F, Yutin N, Ivanova NN, Ortega DR, Lee TK, Vierheilig J, Daims H, Wagner M, Jensen GJ, Kyrpides NC, Koonin EV, Woyke T.** 2017. Giant viruses encoding an unprecedented complement of translation system components. *Science*, **6333**: 82-85
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211. **Wagner M.** Conductive consortia (News & Views piece), *Nature* **526**: 513-514
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"*Ca. Nitrosotenuis uzonensis*" representing a clade globally distributed in thermal habitats. *PLoS One* **8**: e80835

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