

Publication list – Michael Wagner

I have published between 1992-2018 in my six major research fields (nitrification, single cell tools, wastewater microbiology, endosymbionts, microbiome, sulfate reduction) 235 papers and more than 30 book chapters. According to Scopus (Sept 2018) my publications have been cited 32,117x (ISI: 30,653; Google Scholar: 47,117) and I have an H-index of 96 (ISI: 92; Google Scholar: 116). 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

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

234. **Yu Y, Han P, Zhou LJ, Li Z, Wagner M, Men Y.** Ammonia Monooxygenase-Mediated Cometabolic Biotransformation and Hydroxylamine-Mediated Abiotic Transformation of Micropollutants in an AOB/NOB Coculture. 2018. *Environ. Sci. Technol.*, 16: 9196-9205

233. **Kitzinger K, Koch H, Lückner S, Sedlacek CJ, Herbold C, Schwarz J, Daebeler A, Mueller AJ, Lukumbuzya M, Romano S, Leisch N, Karst SM, Kirkegaard R, Albertsen M, Nielsen PH, Wagner M, Daims H.** 2018. Characterization of the first "Candidatus Nitrotoga" isolate reveals metabolic versatility and separate evolution of widespread nitrite-oxidizing bacteria. *mBio*, 9:e01186-18

232. **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 USA*, 22: 5786-5791

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.*, 20: 1925-1928

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

228. **Volland J-M, Schintlmeister A, Zambalos H, Reipert S; Mozetič P, Espada-Hinojosa S, Turk V, Wagner M, Bright M.** 2018. NanoSIMS and tissue autoradiography reveal symbiont carbon fixation and organic carbon transfer to giant ciliate host. *ISME J*, 3: 714-727

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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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220. **Singer E., Wagner M, Woyke T.** 2017. Capturing the genetic makeup of the active microbiome in situ. *ISME J*, **11**: 1949-1963
219. **Sauder LA, Albertsen M, Engel K, Schwarz J, Nielsen PH, Wagner M, Neufeld JD.** 2017. Cultivation and characterization of *Candidatus Nitrosocosmicus exaquare*, an ammonia-oxidizing archaeon from a municipal wastewater treatment system. *ISME J*, **11**: 1142-1157
218. **Daims H, Luecker S, Wagner M.** 2016. A new perspective on microbes formerly known as nitrite-oxidizing bacteria. *Trends Microbiol*, **24**: 699-712
217. **Wang Y, Huang WE, Cui L, Wagner M.** 2016. Single cell stable isotope probing in microbiology using Raman microspectroscopy. *Curr Opin Biotechnol*, **41**: 34-42

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211. **Wagner M.** Conductive consortia (News & Views piece), *Nature* **526**: 513-514
210. **Palatinszky M, Herbold C, Jehmlich N, Pogoda M, Han P, von Bergen M, Lagkouvardos I, Karst SM, Galushko A, Koch H, Berry D, Daims H, Wagner M.** 2015. Cyanate as an energy source for nitrifiers. *Nature*, **524**: 105-108
209. **Koch H, Lüscher S, Albertsen M, Kitzinger K, Herbold C, Spieck E, Nielsen PH, Wagner M, Daims H.** 2015 Expanded metabolic versatility of ubiquitous nitrite-oxidizing bacteria from the genus *Nitrospira*. *Proc Natl Acad Sci U S A*, **112**: 11371-11376
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202. **Lücker S, Schwarz J, Gruber-Dorninger C, Spieck E, Wagner M, Daims H.** 2015. *Nitrotoga*-like bacteria are previously unrecognized key nitrite oxidizers in full-scale wastewater treatment plants. *ISME J.*, **9**: 708-720
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198. **Daniel H, Moghaddas Gholami A, Berry D, Desmarchelier C, Hahne H, Loh G, Mondot S, Lepage P, Rothballer M, Walker A, Böhm C, Wenning M, Wagner M, Blaut M, Schmitt-Kopplin P, Kuster B, Haller D, Clavel T.** 2014. High-fat diet alters gut microbiota physiology in mice. *ISME J.*, **8**: 295-308
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