

Publication list – Michael Wagner

I have published between 1992-2019 in my six major research fields (nitrification, single cell microbiology, microbiome, wastewater microbiology, endosymbionts, sulfate reduction) 253 papers and more than 30 book chapters. According to Scopus (Sept 2019) my publications have been cited 35,234x (ISI: 32,964; Google Scholar: 51,237) and I have an H-index of 101 (ISI: 95; Google Scholar: 122). 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: <https://publons.com/researcher/2814586/michael-wagner/>
GoogleScholar: https://scholar.google.com/citations?user=JF6OQ_0AAAAJ&hl=de

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252. **Bale NJ, Palatinszky M, Rijpstra WIC, Herbold CW, Wagner M, Damste JSS.** 2019. The membrane lipid composition of the moderately thermophilic ammonia-oxidizing archaeon *Ca. Nitrosotenuis uzonensis* at different growth temperatures. *Appl Environ Microbiol*, doi: 10.1128/AEM.01332-19

251. **Kjeldsen KU, Schreiber L, Thorup CA, Boesen T, Bjerg JT, Yang T, Dueholm MS, Larsen S, Risgaard-Petersen N, Nierychlof M, Schmid M, Bøggild A, van de Vossenbergh J, Geelhoedi JS, Meysman FJR, Wagner M, Nielsen PH, Nielsen LP, Schramm A.** 2019. On the evolution and physiology of cable bacteria. *Proc Natl Acad Sci U S A*, **116** : 19116-19125

250. **Wang B, Qin W, Ren Y, Zhou X, Jung MY, Han P, Eloe-Fadrosh EA, Li M, Zheng Y, Lu L, Yan X, Ji J, Liu Y, Liu L, Heiner C, Hall R, Martens-Habbena W, Herbold CW, Rhee SK, Bartlett DH, Huang L, Ingalls AE, Wagner M, Stahl DA, Jia Z.** 2019. Expansion of *Thaumarchaeota* habitat range is correlated with horizontal transfer of ATPase operons. *ISME J*, doi: 10.1038/s41396-019-0493-x

249. **Han P, Yu Y, Zhou L, Tian Z, Li Z, Hou L, Liu M, Wu Q, Wagner M, Men Y.** 2019. Specific micropollutant biotransformation pattern by the comammox bacterium *Nitrospira inopinata*. *Environ Sci Technol*, **15**: 8695-8705

248. **Moeller FU, Webster NS, Herbold CW, Behnam F, Domman D, Albertsen M, Mooshammer M, Markert S, Turaev D, Becher D, Rattei T, Schweder T, Richter A, Watzka M, Nielsen PH, Wagner M.** 2019. Characterization of a thaumarchaeal symbiont that drives incomplete nitrification in the tropical sponge *Ianthella basta*. *Environ. Microbiol*, **21**: 3831-3854

247. **Jung MY, Gwak JH, Rohe L, Giesemann A, Kim JG, Well R, Madsen EL, Herbold CW, Wagner M, Rhee SK.** 2019. Indications for enzymatic denitrification to N₂O at low pH in an ammonia-oxidizing archaeon. *ISME J*, **13**: 2633-2638
246. **Zhou LJ, Han P, Yu Y, Wang B, Men Y, Wagner M, Wu QL.** 2019. Cometabolic biotransformation and microbial-mediated abiotic transformation of sulfonamides by three ammonia oxidizers. *Water Res*, **159**: 444-453
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244. **Gorka S, Dietrich M, Mayerhofer W, Gabriel R, Wiesenbauer J, Martin V, Zheng Q, Imai B, Prommer J, Weidinger M, Schweiger P, Eichorst SA, Wagner M, Richter A, Schintlmeister A, Wobken D, Kaiser C.** 2019. Rapid transfer of plant photosynthates to soil bacteria via ectomycorrhizal hyphae and its interaction with nitrogen availability. *Front Microbiol*, **10**: 168
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241. **Tveit AT, Hestnes AG, Robinson SL, Schintlmeister A, Dedysh SN, Jehmlich N, von Bergen M, Herbold CW, Wagner M, Richter A, Svenning MM.** 2019. Widespread soil bacterium that oxidizes atmospheric methane. *Proc. Natl. Acad. Sci. U.S.A.*, **116**: 8515-8524
240. **Kits KD, Jung MY, Vierheilig J, Pjevac P, Sedlacek CJ, Liu S, Herbold C, Stein LY, Richter A, Wissel H, Brüggemann N, Wagner M, Daims H.** 2019. Low yield and abiotic origin of N₂O formed by the complete nitrifier *Nitrospira inopinata*. *Nat Commun*, **1**: 1836
239. **Schneider S, Schintlmeister A, Becana M, Wagner M, Wobken D, Wienkoop S.** 2019. Sulfate is transported at significant rates through the symbiosome membrane and is crucial for nitrogenase biosynthesis. *Plant Cell Environ*, **4**: 1180-1189
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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
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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*, **6**: 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**, doi: 10.1128/genomeA.01524-17
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oxidizing thaumarchaeon from a hot spring biofilm in Graendalur valley, Iceland. *Front Microbiol*, **9**: 193

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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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Multi-scale imaging of anticancer platinum(IV) compounds in murine tumor and kidney. *Chem Sci*, 2016, **7**: 3052–3061

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