

Publication list – Michael Wagner

I have published between 1992 - October 2020 in my six major research fields (nitrification, single cell microbiology, microbiome, wastewater microbiology, endosymbionts, sulfate reduction) 264 papers and more than 30 book chapters. According to Scopus (October 2020) my publications have been cited 38,534 (ISI: 36,142; Google Scholar: 57,708) and I have an H-index of 104 (ISI: 101; Google Scholar: 130). Seven of my publications appeared in *Nature* (plus a News & Views piece), three in *Science*, 13 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

264. **Proposal to reclassify the proteobacterial classes *Deltaproteobacteria* and *Oligoflexia*, and the phylum *Thermodesulfobacteria* into four phyla reflecting major functional capabilities.** 2020. Waite DW, Chuvochina M, Pelikan C, Parks DH, Yilmaz P, Wagner M, Loy A, Naganuma T, Nakai R, Whitman WB, Hahn MW, Kuever J, Hugenholtz P. *Int J Syst Evol Microbiol*, *in press*

263. **Mueller AJ, Jung MY, Strachan CR, Herbold CW, Kirkegaard RH, Wagner M, Daims H.** 2020. Genomic and kinetic analysis of novel *Nitrospinae* enriched by cell sorting. *ISME J.*, *in press*

262. **Lukumbuzya M, Kristensen JM, Kitzinger K, Pommerening-Roser A, Nielsen PH, Wagner M, Daims H, Pjevac P.** 2020. A refined set of rRNA-targeted oligonucleotide probes for *in situ* detection and quantification of ammonia-oxidizing bacteria. *Water Res.*, **186**: 116372

261. **Mooshammer M, Kitzinger K, Schintlmeister A, Ahmerkamp S, Nielsen JL, Nielsen PH, Wagner M.** 2020. Flow-through stable isotope probing (Flow-SIP) minimizes cross-feeding in complex microbial communities. *ISME J*, <https://doi.org/10.1038/s41396-020-00761-5>

260. **Séneca J, Pjevac P, Canarini A, Herbold CW, Zioutis C, Dietrich M, Simon E, Prommer J, Bahn M, Pötsch EM, Wagner M, Wanek W, Richter A.** 2020. Composition and activity of nitrifier communities in soil are unresponsive to elevated temperature and CO₂, but strongly affected by drought. *ISME J*, *in press*

259. **Daebeler A, Kitzinger K, Koch H, Herbold CW, Steinberger M, Schwarz J, Zechmeister T, Karst S, Albertsen M, Nielsen PH, Wagner M, Daims H.** 2020. Exploring the upper pH limits of nitrite oxidation: diversity, ecophysiology, and adaptive traits of haloalkalitolerant *Nitrospira*. *ISME J*, *in press*

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Anantharaman K, Armengaud J, Baker BJ, Barco RA, Bode HB, Boyd ES, Brady CL, Carini P, Chain PSG, Colman DR, DeAngelis KM, Asuncion de los Rios M, Estrada-de los Santos P, Dunlap CA, Eisen JA, Emerson D, Ettema TJG, Eveillard D, Girguis PR, Hentschel U, Hollibaugh JT, Hug LA, Inskeep WP, Ivanova EP, Klenk HP, Li WJ, Lloyd KG, Löffler FE, Makhalaryane TP, Moser DP, Nunoura T, Palmer M, Parro V, Pedrós-Alió C, Probst AJ, Smits THM, Steen AD, Steenkamp ET, Spang A, Stewart FJ, Tiedje JM, Vandamme P, Wagner M, Wang FP, Hedlund BP, Reysenbach AL. 2020. Roadmap for naming uncultivated Archaea and Bacteria. *Nature Microbiol*, **8**: 987-994

257. Lee KS, Wagner M, Stocker R. 2020. Raman-based sorting of microbial cells to link functions to their genes. *Microb Cell*, **3**: 62-65

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