

DAVID WILKINS

Peer-reviewed
publications

D. Wilkins, M. H. Y. Leung, and P. K. H. Lee. *Microbiota fingerprints lose individually identifying features over time*. *Microbiome*, 2017, 5:6477.
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D. Wilkins, S. Rao, X.-Y. Lu, and P. K. H. Lee. *Effects of sludge inoculum and organic feedstock on active microbial communities and methane yield during anaerobic digestion*. *Frontiers in Microbiology*, 2015.
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D. Wilkins, X.-Y. Lu, Z. Shen, J. Chen, and P. K. H. Lee. *Pyrosequencing of mcrA and archaeal 16S rRNA genes reveals diversity and substrate preference of anaerobic digester methanogen communities*. *Applied and Environmental Microbiology*, 2015, 81:604–613.
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D. Wilkins, E. van Seville, S. R. Rintoul, F. M. Lauro, and R. Cavicchioli. *Advection shapes Southern Ocean microbial assemblages independent of distance and environment effects*. *Nature Communications*, 2013.
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D. Wilkins, F. M. Lauro, T. J. Williams, M. Z. DeMere, M. V. Brown, J. M. Hoffman, C. Andrews-Pfannkoch, J. B. McQuaid, M. J. Riddle, S. R. Rintoul, and R. Cavicchioli. *Biogeographic partitioning of Southern Ocean microorganisms revealed by metagenomics*. *Environmental Microbiology*, 2013, 15:1318–1333.

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doi:10.1128/mSystems.00004-19.

Y. Jia, M. H. Y. Leung, X. Tong, **D. Wilkins**, and P. K. H. Lee. *Rare taxa exhibit disproportionate cell-level metabolic activity in enriched anaerobic digestion microbial communities*. *mSystems*, 2019, 4(1), e00208–e00218.
doi:10.1128/mSystems.00208-18

M. H. Y. Leung, X. Tong, **D. Wilkins**, H. H. L. Cheung, and P. K. H. Lee. *Individual and household attributes influence the dynamics of the personal skin microbiota and its association network*. *Microbiome*, 2018, 6(1), 26.
doi:10.1186/s40168-018-0412-9

X. Tong, M. H. Y. Leung, **D. Wilkins**, and P. K. H. Lee. *City-scale distribution and dispersal routes of mycobiome in residences*. *Microbiome*, 2017, 5(1).
doi:10.1186/s40168-017-0346-7

Y. Jia, **D. Wilkins**, H. Lu, M. Cai, and P. K. H. Lee. *Long-term enrichment on cellulose or xylan causes functional and taxonomic convergence of microbial communities from anaerobic digesters*. *Applied and Environmental Microbiology*, 2016, 82:1519–1529.
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M. Cai, **D. Wilkins**, J. Chen, S. K. Ng, H. Lu, Y. Jia, P. K. H. Lee. *Metagenomic reconstruction of key anaerobic digestion pathways in municipal sludge and industrial wastewater biogas-Producing systems*. *Frontiers in Microbiology*, 2016, 7(e99221):70.
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D. Wilkins, F. M. Lauro, T. J. Williams, and R. Cavicchioli. *Biogeographic partitioning of Southern Ocean picoplankton*. 14th International Symposium on Microbial Ecology, Copenhagen, Denmark. August 19–24 2012.

M. H. Y. Leung, **D. Wilkins**, and P. K. H. Lee. *Comparison of bacterial microbiomes in Hong Kong urban household aerosols*. 15th International Symposium on Microbial Ecology, Seoul, Korea. August 24–29 2014.

R. Cavicchioli, F. M. Lauro, M. Z. DeMaere, T. J. Williams, M. V. Brown, S. Yau and **D. Wilkins**. *Microbial ecology of Antarctic aquatic ecosystems determined using metagenomics and metaproteomics*. 14th International Symposium on Microbial Ecology, Copenhagen, Denmark. August 19–24 2012.

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