



LI-7700
Publications List

This document contains a sampling of recent publications that reference LI-COR instrumentation and software. This list is provided for informational purposes only, and LI-COR neither endorses, nor makes any express or implied warranties with respect to any data included in these publications.

- Alcock, H. (2020). Methane flux from a cool-temperate freshwater marsh, McGill University (Canada).
- Altshuler, Y., T. C. Chebach and S. Cohen (2023). "From Microbes to Methane: AI-Based Predictive Modeling of Feed Additive Efficacy in Dairy Cows." arXiv preprint arXiv:2311.12901.
- Alvarado-Barrientos, M. S., H. López-Adame, H. E. Lazcano-Hernández, J. Arellano-Verdejo and H. A. Hernández-Arana (2021). "Ecosystem-Atmosphere Exchange of CO₂, Water, and Energy in a Basin Mangrove of the Northeastern Coast of the Yucatan Peninsula." *Journal of Geophysical Research: Biogeosciences* 126(2): e2020JG005811.
- Alvarado - Barrientos, M. S., H. López - Adame, H. E. Lazcano - Hernández, J. Arellano - Verdejo and H. A. Hernández - Arana (2021). "Ecosystem - Atmosphere Exchange of CO₂, Water, and Energy in a Basin Mangrove of the Northeastern Coast of the Yucatan Peninsula." *Journal of Geophysical Research: Biogeosciences* 126(2): e2020JG005811.
- Anapalli, S. S., S. R. Pinnamaneni, K. N. Reddy, P. Wagle and A. J. Ashworth (2023). "Eddy covariance assessment of alternate wetting and drying floodwater management on rice methane emissions." *Heliyon* 9(4).
- Angle, J. C. (2018). Interrogating the methane paradox in freshwater wetland soils: A combined multi-omics and geochemical approach PhD Thesis, The Ohio State University.
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- Arias - Ortiz, A., P. Y. Oikawa, J. Carlin, P. Masqué, J. Shahan, S. Kanneg, A. Paytan and D. D. Baldocchi (2021). "Tidal and Nontidal Marsh Restoration: A Trade - Off Between Carbon Sequestration, Methane Emissions, and Soil Accretion." *Journal of Geophysical Research: Biogeosciences* 126(12): e2021JG006573.
- Arndt, K. A. (2020). Seasonal Impacts of Climate Change on the Carbon Balance of Alaskan Arctic Tundra Ecosystems PhD Thesis, University of California, Davis.
- Arndt, K. A., D. A. Lipson, J. Hashemi, W. C. Oechel and D. Zona (2020). "Snow melt stimulates ecosystem respiration in Arctic ecosystems." *Global Change Biology* 26(9): 5042-5051.
- Arndt, K. A., W. C. Oechel, J. P. Goodrich, B. A. Bailey, A. Kalhori, J. Hashemi, C. Sweeney and D. Zona (2019). "Sensitivity of methane emissions to later soil freezing in Arctic tundra ecosystems." *Journal of Geophysical Research: Biogeosciences* 124(8): 2595-2609.
- Bailey, D. M. (2018). Development of Optical Sensors for Assessment of Greenhouse Gas Concentrations Above Thawing Permafrost PhD Thesis, The George Washington University.
- Beaulieu, J. J., D. A. Balz, M. K. Birchfield, J. A. Harrison, C. T. Nietch, M. C. Platz, W. C. Squier, S. Waldo, J. T. Walker and K. M. White (2018). "Effects of an experimental water-level drawdown on methane emissions from a eutrophic reservoir." *Ecosystems* 21(4): 657-674.
- Beckeбанze, L., Z. Rehder, D. Holl, C. Mirbach, C. Wille and L. Kutzbach (2021). "Small waterbodies reduce the carbon sink of a polygonal tundra landscape." *Biogeosciences Discussions* 2021: 1-25.
- Beckeбанze, L., Z. Rehder, D. Holl, C. Wille, C. Mirbach and L. Kutzbach (2022). "Ignoring carbon emissions from thermokarst ponds results in overestimation of tundra net carbon uptake." *Biogeosciences* 19(4): 1225-1244.
- Beckeбанze, L., B. R. K. Runkle, J. Walz, C. Wille, D. Holl, M. Helbig, J. Boike, T. Sachs and L. Kutzbach (2022). "Lateral carbon export has low impact on the net ecosystem carbon balance of a polygonal tundra catchment." *Biogeosciences* 19(16): 3863-3876.
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- Beyer, F., F. Jansen, G. Jurasinski, M. Koch, B. Schröder and F. Koebisch (2021). "Drought years in peatland rewetting: rapid vegetation succession can maintain the net CO₂ sink function." *Biogeosciences* 18(3): 917-935.
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- Burba, G. (2021). *Atmospheric flux measurements. Advances in Spectroscopic Monitoring of the Atmosphere, Elsevier*: 443-520.
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- Chatterjee, D., A. K. Nayak, S. Vijayakumar, M. Debnath, S. Chatterjee, C. K. Swain, P. Bihari, S. Mohanty, R. Tripathi and M. Shahid (2019). "Water vapor flux in tropical lowland rice." *Environmental monitoring and assessment* 191(9): 1-15.
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- Chen, H., X. Liu, D. Xue, D. Zhu, W. Zhan, W. Li, N. Wu and G. Yang (2021). "Methane emissions during different freezing-thawing periods from a fen on the Qinghai-Tibetan Plateau: Four years of measurements." *Agricultural and Forest Meteorology* 297: 108279.
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