

Joseph Gaudard

List of publications

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<https://github.com/jogaudard>

PEER-REVIEWED PUBLICATIONS

- Halbritter, A. H., Vandvik, V., Cotner, S. H., Farfan-Rios, W., Maitner, B. S., Michaletz, S. T., Oliveras Menor, I., Telford, R. J., Ccahuana, A., Cruz, R., Sallo-Bravo, J., Santos-Andrade, P. E., Vilca-Bustamante, L. L., Castorena, M., Chacón-Labela, J., Christiansen, C. T., Duran, S. M., Egelkraut, D. D., ... **Gaudard, J.**, ... Enquist, B. J. (2024). Plant trait and vegetation data along a 1314 m elevation gradient with fire history in Puna grasslands, Perú. *Scientific Data*, 11(1), 225. <https://doi.org/10.1038/s41597-024-02980-3>
- Maes, S. L., Dietrich, J., Midolo, G., Schwieger, S., Kummu, M., Vandvik, V., Aerts, R., Althuizen, I. H. J., Biasi, C., Björk, R. G., Böhner, H., Carbognani, M., Chiari, G., Christiansen, C. T., Clemmensen, K. E., Cooper, E. J., Cornelissen, J. H. C., Elberling, B., ... **Gaudard, J.**, ... Dorrepaal, E. (2024). Environmental drivers of increased ecosystem respiration in a warming tundra. *Nature*, 1–9. <https://doi.org/10.1038/s41586-024-07274-7>
- Belien, E., Rossi, S., Morin, H., Deslauriers, A., & **Gaudard, J.** (2014). Testing foliar absorption in black spruce [*Picea mariana* (Mill.) BSP] saplings. *American Journal of Experimental Biology*, 1, 52–60.

R PACKAGES

- Gaudard, J.** (2025). Licoread: Reads raw files from li-COR gas analyzers [Manual]. <https://doi.org/10.32614/CRAN.package.licoread>
- Gaudard, J.**, & Telford, R. J. (2025). Fluxible: Ecosystem gas fluxes calculations for closed loop chamber setup [Manual]. <https://doi.org/10.32614/CRAN.package.fluxible>

OTHER PUBLICATIONS

- Gaudard, J.** (2025). A tool box for early career researchers going to big conferences. https://github.com/jogaudard/ecr_toolbox
- Gaudard, J.**, & Soulé, J. (2022). BIOutside: Field safety for biologists in the wild. <https://bioutside.w.uib.no>
- Gaudard, J.** (2021). Décrypter: Cycle du carbone dans les écosystèmes froids. *Carnets d'Aventures*, 63.
- Cotner, S., Enquist, B. J., Chacon, J., Maitner, B., Farfan-Rios, W., Michaletz, S., Garen, J., Gauthier, T.-L. J., Vandvik, V., Gya, R., Halbritter, A., **Gaudard, J.**, Hošková, K., Pierfederici, M. E., Quinteros-Casaverde, N. L., Diaz, E. S., Jessup, L., Strydom, T., & Oppen, J. V. (2020). International scientists need better support during global emergencies. *Times Higher Education*.

Gaudard, J. (2019). Carbon ecosystem-atmosphere exchange in arctic tundra in response to environmental changes. Effects of increased water and phosphorus availability on carbon dioxide and methane fluxes [Master's thesis]. University of Copenhagen (UCPH) / University of Life Sciences in Vienna (BOKU).