

## Publications

**Mörchen, R.**, Lehndorff, E., Arenas Diaz, F., Moradi, G., Bol, R., Fuentes B., Klumpp, E., Amelung, W. (2019). Carbon accrual in the Atacama Desert. *Global and Planetary Change*, 181, 102993.

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Knief, C., Bol, R., Amelung, W., Kusch, S., Frindte, K., Eckmeier, E., Jaeschke, A., Dunai, T., Fuentes, B., **Mörchen, R.**, Schütte, T., Lücke, A., Klumpp, E., Kaiser, K., Rethemeyer, J. (2020). Tracing elevational changes in microbial life and organic carbon sources in soils of the Atacama Desert. *Global and Planetary Change*, 184, 103078.

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Zhao, Y., Reichel, R., Herbst, M., Sun, Y., Brüggemann, N., **Mörchen, R.**, Welp, G., Meng, F., Bol, R. (2022). Declining total carbon stocks in carbonate-containing agricultural soils over a 62-year recultivation chronosequence under humid conditions. *Geoderma* 425, 116060.

Sandhage-Hofmann, A., Angombe, S., Kindermann, L., Linstädter, A., **Mörchen, R.** (2022). Conservation with elephants and agricultural intensification: effects on lignin and *n*-alkanes in soils of sub-Saharan Africa. *Geoderma* 425, 116009.