

Publication list Christine Alewell

As of October 2023, I published 204 peer reviewed international papers, ISI Web of Science statistics: H-Index = 50, sum of citations = 11219; average citation per item: 58. Google Scholar Statistics: H-Index = 66, sum of citations = 18128; i10-index = 176.

Peer reviewed journals

- 204 Gupta, Surya, Julia Kim Hasler, Christine Alewell, 2023. Mining soil data of Switzerland: New maps for soil texture, soil organic carbon, nitrogen, and phosphorus, *Geoderma Regional* 36, e00747, <https://doi.org/10.1016/j.geodrs.2023.e00747>.
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- 202 Gupta, S., Borrelli, P., Panagos, P. and Alewell, C., 2024. An advanced global soil erodibility (K) assessment including the effects of saturated hydraulic conductivity. *Science of The Total Environment*, 908: 168249.
- 201 Schepers, S., Liu, C., Xin, Z., Ran, L. and Alewell, C., 2023. Soil loss and sedimentation rates in a subcatchment of the Yellow river Basin in China. *International Soil and Water Conservation Research*. Available online 4 December 2023. <https://doi.org/10.1016/j.iswcr.2023.11.008>
- 200 Borrelli, P., Alewell, C., Yang, J.E., Bezak, N., Chen, Y., Fenta, A.A., Fendrich, A.N., Gupta, S., Matthews, F., Modugno, S., Haregeweyn, N., Robinson, D.A., Tan, F., Vanmaercke, M., Verstraeten, G., Vieira, D.C.S. and Panagos, P., 2023. Towards a better understanding of pathways of multiple co-occurring erosion processes on global cropland. *International Soil and Water Conservation Research* (in press).
- 199 Cox, T., Laceby, J.P., Roth, T. et al. Less is more? A novel method for identifying and evaluating non-informative tracers in sediment source mixing models. *J Soils Sediments* (2023). <https://doi.org/10.1007/s11368-023-03573-0>
- 198 Meusburger, K., Porto, P., Kobler Waldis, J., and Alewell, C.: Validating plutonium-239+240 as a novel soil redistribution tracer – a comparison to measured sediment yield, *SOIL*, 9, 399–409, <https://doi.org/10.5194/soil-9-399-2023>, 2023
- 197 Huang, J.-H., Berg, B., Chen, C., Thimonier, A., Schmitt, M., Osterwalder, S., Alewell, C., Rinklebe, J. and Feng, X., 2023. Predominant contributions through lichen and fine litter to litterfall mercury deposition in a subalpine forest. *Environmental Research*, 229: 116005.
- 196 Hirave, P., Nelson, D.B., Glendell, M. and Alewell, C., 2023. Land-use-based freshwater sediment source fingerprinting using hydrogen isotope compositions of long-chain fatty acids. *Science of The Total Environment*, 875: 162638. <https://doi.org/10.1016/j.scitotenv.2023.162638>
- 195 Schepers, S., Meusburger, K., Borrelli, P., Panagos, P., & Alewell, C. (2022). Occurrence and erosion susceptibility of German Pelosols and international equivalents. *Journal of Plant Nutrition and Soil Science*, 185, 821– 835. <https://doi.org/10.1002/jpln.202200024>
- 194 Wang, Y., Paul, S.M., Alewell, C. et al. Reduced nitrogen losses from drained temperate agricultural peatland after mineral soil coverage. *Biol Fertil Soils* (2022). <https://doi.org/10.1007/s00374-022-01689-y>

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- 184 Mignani, C., Wieder, J., Sprenger, M. A., Kanji, Z. A., Henneberger, J., Alewell, C., and Conen, F. 2021. Towards parameterising atmospheric concentrations of ice-nucleating particles active at moderate supercooling, *Atmos. Chem. Phys.*, 21, 657–664, <https://doi.org/10.5194/acp-21-657-2021>, 2021.
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