

List of Publications, Johanna Clara Metzger

Journal articles

- (4) **Metzger, J. C.**, J. Schumacher, M. Lange, A. Hildebrandt. 2019. Neighbourhood and stand structure affect stemflow generation in a heterogeneous deciduous temperate forest. Hydrology and Earth System Sciences Discussions, <https://doi.org/10.5194/hess-2019-336>, in review.
- (3) **Metzger, J. C.**, T. Wutzler, N. Dalla Valle, J. Filipzik, C. Grauer, R. Lehmann, M. Roggenbuck, D. Schelhorn, J. Weckmüller, K. Küsel, K. U. Totsche, S. Trumbore, A. Hildebrandt. 2017. Tracing spatial variation of canopy water fluxes to the soil with high resolution data. Hydrological Processes. <https://doi.org/10.1002/hyp.11274>
- (2) Zimmermann, A., S. Voss, **J. C. Metzger**, A. Hildebrandt, B. Zimmermann. 2016. Capturing heterogeneity: The role of a study area's extent for estimating mean throughfall. Journal of Hydrology, 542, 781–789. <https://doi.org/10.1016/j.jhydrol.2016.09.047>
- (1) **Metzger, J. C.**, L. Landschreiber, A. Gröngröft and A. Eschenbach: A Field and Model Approach to Soil Evaporation in Southern African Savannas. Journal of Plant Nutrition and Soil Science, 177, 468-475. <https://doi.org/10.1002/jpln.201300257>

Conference contributions

Talks

- (3) European Geosciences Union General Assembly. 2017. **Metzger, J. C.**, S. Germer, A. Hildebrandt. Factors impacting stemflow generation in a European beech forest: Individual tree versus neighborhood properties.
- (2) Tagung Waldböden: Schutz und Nutzung. 2016. **Metzger, J. C.**, T. Wutzler, N. Dalla Valle, J. Filipzik, R. Lehmann, M. Roggenbuck, D. Schelhorn, J. Weckmüller, K. Küsel, K. U. Totsche, S. Trumbore, A. Hildebrandt: Tracing spatial variation of canopy water fluxes to the soil with high resolution data.
- (1) European Geosciences Union General Assembly. 2016. **Metzger, J. C.**, N. Dalla Valle, T. Wutzler, J. Filipzik, C. Grauer, J. Weckmüller, D. Schelhorn, A. Hildebrandt. Tracing spatial variation of canopy water fluxes to the soil: An experimental approach to assessing heterogeneity with high resolution data.

Posters

- (6) European Geosciences Union General Assembly. 2018. **Metzger, J. C.**, M. Kleemann, J. Weckmüller, A. Hildebrandt. Systematic patterns of forest soil water retention depending on the tree distance in a European mixed beech forest.
- (5) Jahrestagung der Deutschen Bodenkundlichen Gesellschaft (German Soil Science Society Annual Meeting). 2015. **Metzger, J. C.**, N. Dalla Valle, T. Wutzler, J. Filipzik, C. Grauer, J. Weckmüller, D. Schelhorn, A. Hildebrandt: Soil water flow heterogeneity introduced by forest canopies: Geostatistical evaluation of high resolution measurements in a temperate mixed beech stand.
- (4) European Geosciences Union General Assembly. 2015. **Metzger, J. C.**, N. Dalla Valle, T. Wutzler, J. Filipzik, C. Grauer, J. Weckmüller, D. Schelhorn, A. Hildebrandt: Flow patterns of precipitation and soil water beneath forest canopies: An experimental approach to assessing water flow heterogeneity with high resolution measurements.
- (3) PhD Conference on Earth System Science. 2014. **Metzger, J. C.** and A. Hildebrandt: Flow patterns of precipitation and soil water beneath vegetation canopies: Assessing water flow heterogeneity with high resolution measurements.
- (2) Jahrestagung der Deutschen Bodenkundlichen Gesellschaft (German Soil Science Society Annual Meeting). 2013. **Metzger, J. C.**, L. Landschreiber, A. Gröngröft and A. Eschenbach: A Field and Model Study on Soil Evaporation in semi-open Savanna Ecosystems of Southern Africa.
- (1) Jahrestagung der Afrikagruppe Deutscher Geowissenschaftler (Africa Working Group of German Geoscientists Annual Meeting). 2012. **Metzger, J. C.**, L. Landschreiber, A. Gröngröft and A. Eschenbach: Verwendung von Mikrolysimetern zur in-situ-Bestimmung der Evaporation aus Böden in semiariden Klimaten (Using Microlysimetry for in-situ Determination of Soil Evaporation in Semiarid Climates).