

Peer-reviewed ISI ranked journal articles, <https://orcid.org/0000-0002-6301-1634>

*(co-)advised graduate student, **(co-)advised postdoc, EH: Editor's Highlight, AW: Paper received an award

- [65] Segura, C., Penna, D., Borga, M., Hissler, C., Iffly, J.F., **Klaus, J.**, Latron, J., Llorens, P., Marchina, C., Martínez-Carreras, N., Pfister, L., Zuecco, G. (2023): Comparing hydrological responses across catchments using a new soil water content metric. *Hydrological Processes*, 37(10), e15010.
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- [63] *Bonanno, E., Blöschl, G., **Klaus, J.** (2023): Discharge, groundwater gradients, and streambed micro-topography control the temporal dynamics of transient storage in a headwater reach. *Water Resources Research*, 59(7), e2022WR034053.
- [62] **Fresne, M., Chun, K.P., Hrachowitz, M., McGuire, K.J., *Schoppach, R., **Klaus, J.** (2023): Importance of tree diameter and species for explaining the temporal and spatial variations of xylem water $\delta^{18}\text{O}$ and $\delta^2\text{H}$ in a multi-species forest. *Ecohydrology*, 16 (5), e2545.
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- [60] Ficklin, D., Hannah, D.M., Wanders, N., Dugdale, S., England, J., **Klaus, J.**, Kelleher, C., Khamis, K., Charlton, M.B. (2023): Rethinking river water temperatures in a changing, human-dominated world. *Nature Water* 1, 125–128.
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- [56] **Klaus, J.**, Monk, W., Zhang, L., Hannah, D.M. (2022): Ecohydrological Interactions during Drought. *Ecohydrology*, 15(5), e2456.
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- [53] Dugdale, S., **Klaus, J.**, Hannah, D.M. (2022): Looking to the skies: realising the potential of drones and thermal infrared imagery to advance hydrological process understanding in headwaters. *Water Resources Research*, 58, e2021WR031168.
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