

Dr. Clarissa Glaser

ISI publications:

1. Kunz M., Abbas S. S., Bauckholt M., Böhmländer A., Feuerle T., Gasch P., Glaser C., Groß J., Hajnsek I., Handwerker J., Hase F., Khordakova D., Knippertz P., Kohler M., Lange D., Latt M., Laube J., Martin L., Mauder M., Möhler O., Mohr S., Reitter R. W., Rettenmeier A., Rolf C., Saathoff H., Schrön M., Schütze C., Spahr S., Späth F., Vogel F., Völksch I., Weber U., Wieser A., Wilhelm J., Zhang H., Dietrich P. (2022). Swabian MOSES 2021: An interdisciplinary field campaign for investigating convective storms and their event chains. *Frontiers in Earth Science* 10 (999593). doi.org/10.3389/feart.2022.999593
2. Glaser, C., Kunz, M., Spahr S., Weber, U. (2022). Messkampagne liefert einzigartige Daten über Wetterextreme. *Wasserwirtschaft*, 112(2022) 2-3, 80-81. doi.org/10.1007/s35147-022-0973-1
3. Wei R., Escher B. I., Glaser C., König M., Schlichting R., Schmitt M., Störiko A., Viswanathan M., Zarfl C. (2022). Modeling the Dynamics of Mixture Toxicity and Effects of Organic Micropollutants in a Small River under Unsteady Flow Conditions. *Environmental Science and Technology*. doi.org/10.1021/acs.est.2c02824
4. Jiménez Fernández, Ó., Schwientek M., Osenbrück K., Glaser C., Schmidt C., Fleckenstein J. (2022). Groundwater-surface water exchange and hydrologic turnover as key controls for in-stream and groundwater nitrate concentrations in first-order agricultural stream catchments. *Hydrological Processes* 36(2). doi.org/10.1002/hyp.14507
5. Schmitt M., Wack K., Glaser C., Wei R., Zwiener C. (2021). Separation of Photochemical and Non-Photochemical Diurnal In-Stream Attenuation of Micropollutants. *Environmental Science and Technology* 55 (13) 8908-8917. doi.org/10.1021/acs.est.1c02116
6. Niu L., Ahlheim J., Glaser C., Gunold R., Henneberger L., König M., Krauss M., Schwientek M., Zarfl C., Escher B. (2021). Suspended Particulate Matter - A Source or Sink for Chemical Mixtures of Organic Micropollutants in a Small River under Baseflow Conditions? *Environmental Science and Technology* 55(8): 5106-5116. doi.org/10.1021/acs.est.0c07772
7. Glaser C., Frei S., Massmann G., Gilfedder B.S. (2021). Tidal creeks as hot-spots for hydrological exchange in a coastal landscape. *Journal of Hydrology* 597 (126158). doi.org/10.1016/j.jhydrol.2021.126158
8. Glaser C., Schwientek M., Junginger T., Gilfedder B. S., Frei S., Werneburg M., Zwiener C., Zarfl C. (2020) Comparison of environmental tracers including organic micropollutants as groundwater exfiltration indicators into a small river of a karstic catchment. *Hydrological Processes* 34 (24), 4712-4726. doi.org/10.1002/hyp.13909

9. Glaser C., Zarfl C., Rügner H., Lewis A., Schwientek M. (2020) Analyzing particle-associated pollutant transport to identify in-stream sediment processes during a high flow event. *Water* 12 (1794), 1-16. doi.org/10.3390/w12061794
10. Glaser C., Zarfl C., Werneburg M., Böckmann M., Zwiener C., Schwientek M. (2020) Temporal and spatial variable in-stream attenuation of selected pharmaceuticals. *Science of the Total Environment* 741, 39514. doi.org/10.1016/j.scitotenv.2020.139514
11. Müller M., Werneburg M., Glaser C., Schwientek M., Zarfl C., Escher B. I., Zwiener C. (2020) Influence of emission sources and tributaries on the spatial and temporal patterns of micropollutant mixtures and associated effects in a small river. *Environ. Toxicol. Chem.* 39(7), 1382-1391. doi.org/10.1002/etc.4726
12. Glaser C., Schwientek M., Zarfl C. (2019) Designing field-based investigations of organic micropollutant fate in rivers. *Environmental Science and Pollution Research* 28, 28633-28649. doi.org/10.1007/s11356-019-06058-1