



Publications

Helmholtz Centre for Environmental Research – UFZ

Topic 4: Coastal Transition Zones under Natural and Human Pressure

Preface

This list includes all publications of the year 2022 assigned to program topic 4 “Coastal Transition Zones under Natural and Human Pressure” of the Helmholtz research program "Changing Earth - Sustaining our Future" within the research field Earth and Environment which were authored, co-authored or edited by staff members of the Helmholtz Centre for Environmental Research - UFZ.

If a publication belongs to more than one program topic, both primary and secondary assignments are indicated.

The editorial deadline for this publication list was 20 January 2023.

In contrast to external authors, UFZ staff names are highlighted in **bold type** in all publications.

The concluding index lists all UFZ authors in alphabetical order with the sequential numbers of their publications.

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Publications in ISI/Scopus listed journals/series

1. Bermejo, R., Golden, N., Schrofner, E., **Knöller, K.**, Fenton, O., Serrão, E., Morrison, L. (2022):
Biomass and nutrient dynamics of major green tides in Ireland: Implications for biomonitoring
Mar. Pollut. Bull. **175** , art. 113318
2. Boumaiza, L., Walter, J., Chesnaux, R., Huneau, F., Garel, E., Erostate, M., Johannesson, K.H., Vystavna, Y., Bougherira, N., Bordeleau, G., Stotler, R.L., Blarasin, M., Gutiérrez, M., **Knöller, K.**, Stumpp, C. (2022):
Multi-tracer approach to understand nitrate contamination and groundwater-surface water interactions in the Mediterranean coastal area of Guerbes-Senhadja, Algeria
J. Contam. Hydrol. **251** , art. 104098
3. Bussmann, I., **Koedel, U., Schütze, C., Kamjunke, N., Koschorreck, M.** (2022):
Spatial variability and hotspots of methane concentrations in a large temperate river
Front. Environ. Sci. **10** , art. 833936
Main topic T5; Secondary topic T4
4. **Kamjunke, N., Beckers, L.-M., Herzsprung, P., von Tümpling, W., Lechtenfeld, O., Tittel, J., Risse-Buhl, U., Rode, M., Wachholz, A., Kallies, R., Schulze, T., Krauss, M., Brack, W., Comero, S., Gawlik, B.M., Skejo, H., Tavazzi, S., Mariani, G., Borchardt, D., Weitere, M.** (2022):
Lagrangian profiles of riverine autotrophy, organic matter transformation, and micropollutants at extreme drought
Sci. Total Environ. **828** , art. 154243
Main topic T5; Secondary topics T4, T9
5. **Koschorreck, M., Knorr, K.H., Teichert, L.** (2022):
Temporal patterns and drivers of CO₂ emission from dry sediments in a groyne field of a large river
Biogeosciences **19** (22), 5221 - 5236
6. **Saavedra, F.A., Musolff, A., von Freyberg, J., Merz, R., Basso, S., Tarasova, L.** (2022):
Disentangling scatter in long-term concentration–discharge relationships: the role of event types
Hydrol. Earth Syst. Sci. **26** (23), 6227 - 6245
7. **Sarrazin, F.J., Kumar, R., Basu, N.B., Musolff, A., Weber, M., Van Meter, K.J., Attinger, S.** (2022):
Characterizing catchment-scale nitrogen legacies and constraining their uncertainties
Water Resour. Res. **58** (4), e2021WR031587
Main topic T5; Secondary topic T4

8. von der Au, M., Zimmermann, T., Kleeberg, U., **von Tümpling, W.**, Pröfrock, D. (2022):
Characteristic regional differences in trace element pattern of 2014 German North Sea
surface Wadden sediments - A judge and assessment
Mar. Pollut. Bull. **184** , art. 114208
Main topic T5; Secondary topic T4

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