

NOAH

Publikationen

peer review

Ahmerkamp, S., Winter, C., Janssen, F., Kuypers, M.M.M., Holtappels, M., 2015. The impact of bedform migration on benthic oxygen fluxes. *J. Geophys. Res. Biogeoscience* 120: 2229–2242. [Link](#)

Ahmerkamp, S., Winter, C., Krämer, K., Beer, D.d., Janssen, F., Friedrich, J., Kuypers, M. M. M. and M. Holtappels, 2017. Regulation of benthic oxygen fluxes in permeable sediments of the coastal ocean. *Limnology and Oceanography* 62(5): 1935-1954. [Link](#)

Amirshahi, M., Kwoll, E., Winter, C., 2017. Suspended Sediment Flux by Single Turbulent Events *Continental Shelf Research* 152: 76-86. [Link](#)

Birchenough, S.N.R., Degraer, S., Reiss, H., Borja, A., Braeckman, U., Craemeersch, J., De Mesel, I., Kerckhof, F., Kröncke, I., Mieszkowska, N., Parra, S., Schröder, A., van Colen, C., van Hoey, G., Vincx, M., Wätjen, K., 2015. Climate change and marine benthos: a review of existing research and future directions in the North Atlantic. *Wiley Interdisciplinary Reviews: Climate Change* 6: 203-223. [Link](#)

Blanz, B., 2018. Modelling interactions of fish, fishers and consumers: should bycatch be taken into account?’, *Hydrobiologia*, pp. 1-16. [Link](#)

Bockelmann, F., Puls, W., Kleeberg, U., Müller, D. and K.-C. Emeis, 2017. Mapping mud content and median grain-size of North Sea sediments – a geostatistical approach. *Marine Geology* 397: 60-71. [Link](#)

Brockmeyer, B., Kraus, U.R., Theobald, N., 2015. Accelerated solvent extraction (ASE) for purification and extraction of silicone passive samplers used for the monitoring of organic pollutants. *Environmental Science and Pollution Research*. [Link](#)

Callies, U., Gaslikova, L., Kapitza, H., Scharfe, M., 2016. German Bight residual current variability on a daily basis: principal components of multi-decadal barotropic simulations. *Geo-Mar Letters*: 1-12. [Link](#)

Callies, U., Groll, N., Horstmann, J., Kapitza, K., Klein, H., Maßmann, S., Schwichtenberg, F., 2017. Surface drifters in the German Bight: Model validation considering windage and Stokes drift. *Ocean Sci. Discuss.* 2017: 1-38. [Link](#)

Chen, W.-L., Xie, Z.; Wolschke, H., Gandrass, J.; Kötke, D., Winkelmann, M., Ebinghaus, R., 2016. Quantitative determination of ultra-trace carbazoles in sediments in the coastal environment. *Chemosphere* 150: 586-595. [Link](#)

Cox, T. J. S., van Beusekom, J. E. E., Soetaert, K., 2017. Tune in on 11.57 μ Hz and listen to primary production. *Biogeosciences* 14 (22): 5271-5280. [Link](#)

Dippner, J., Möller, C., Kröncke, I., 2014. Loss of Persistence of the North Atlantic Oscillation and its Biological Implication. *Frontiers in Ecology and Evolution* 2: 1-8. [Link](#)

Emeis, K.C., Beusekom, J. van, Callies, U., Ebinghaus, R., Kannen, A., Kraus, G., Kröncke, I., Lenhart, H., Lorowski, I., Matthias, V., Möllmann, C., Pätsch, J., Scharfe, M., Thomas, H., Weisse, R., Zorita, E., 2015. The North Sea — A shelf sea in the Anthropocene. *Journal of Marine Systems* 141: 18–33. [Link](#)

Fock H.O., Kraus G., 2016. From Metaphors to Formalism: A Heuristic Approach to Holistic Assessments of Ecosystem Health. *PLoS ONE* 11:e0159481. [Link](#)

Glavovic, B., K. Limburg, K. K. Liu, K.-C. Emeis, H. Thomas, H. Kremer, B. Avril, J. Zhang, M. R. Mulholland, M. Glaser, Swaney, D.P., 2015. Living on the Margin in the Anthropocene: Engagement arenas for sustainability research and action at the ocean-land interface. *Current Opinion in Environmental Sustainability*: 1-7. [Link](#)

Gonzalez-Gago, A., Pröfrock, D., Prange, A., 2014. Optimizing GC-ICP-MS for ultra-trace quantification of PBDEs in natural water samples using species-specific isotope dilution. *Journal of Analytical Atomic Spectrometry* 30: 180-190.

- Krämer, K., Winter, C., 2016. Predicted ripple dimensions in relation to the precision of in-situ measurements. *Ocean Science* 12: 1221-1235. [Link](#)
- Kraus, G., Diekmann, R., 2018. Impact of Fishing Activities on Marine Life, in: Salomon, M., Markus, T. (Eds.), *Handbook on Marine Environment Protection: Science, Impacts and Sustainable Management*. Springer International Publishing, pp. 79-96.
- Lefebvre, A., Winter, C., 2016. Predicting bed form roughness: the influence of lee side angle. *Geo-Marine Letters* 36(2): 121-133. [Link](#)
- Levin, L.L.A., 2015. Comparative biogeochemistry–ecosystem–human interactions on dynamic continental margins. *Journal of Marine Systems* 141: 3-17. [Link](#)
- Logemann, A.E., Schafberg, M., Brockmeyer, B., 2019. Using the HPTLC-bioluminescence bacteria assay for the determination of acute toxicities in marine sediments and its eligibility as a monitoring assessment tool. *Chemosphere* 233, 936-945. [Link](#)
- Meyer, J., Nehmer, P., Kröncke, I., 2019. Shifting south-eastern North Sea macrofauna bioturbation potential over the past three decades: a response to increasing SST and regionally decreasing food supply. *Marine Ecology Progress Series* 609, 17-32. [Link](#)
- Meyer, J., Nehmer, P., Moll, A., Kröncke, I., 2018. Shifting south-eastern North Sea macrofauna community structure since 1986: A response to de-eutrophication and regionally decreasing food supply? *Estuarine, Coastal and Shelf Science* 213, 115-127. [Link](#)
- Müller-Navarra, K., Milker, Y., Schmiedl, G., 2016. Natural and anthropogenic influence on the distribution of salt marsh foraminifera in the Bay of Tümlau, German North Sea. *Journal of Foraminiferal Research* 46 (1): 61-74. [Link](#)
- Neubersch, D., Held, H., Otto, A., 2014. Operationalizing climate targets under learning: An application of cost-risk analysis. *Climatic Change* 126 (3-4): 305-318. [Link](#)
- Neumann, A., Möbius, J., Hass, Ch., Puls, W., Friedrich, J., 2016. Empirical model to estimate permeability of surface sediments in the German Bight (North Sea). *Journal of Sea Research* 127: 36-47. [Link](#)
- Neumann, A., van Beusekom, J. E. E., Holtappels, M. and K.-C. Emeis, 2017: Nitrate consumption in sediments of the German Bight (North Sea): *Journal of Sea Research* 127: 26-35. [Link](#)
- Neumann, H., Diekmann, R., Emeis, K.-C., Kleeberg, U., Moll, A., Kröncke, I., 2017. Full-coverage spatial distribution of epibenthic communities in the south-eastern North Sea in relation to habitat characteristics and fishing effort. *Marine Environmental Research* 130, 1-11. [Link](#)
- Neumann, H., Diekmann, R., Kröncke, I., 2016. Functional composition of epifauna in the south-eastern North Sea in relation to habitat characteristics and fishing effort. *Estuarine, Coastal and Shelf Science* 169: 182-94. [Link](#)
- Niehus, N.C., Brockmeyer, B., Witt, G., 2019. Bioavailability and distribution of PAHs and PCBs in the sediment pore water of the German Bight and Wadden Sea. *Marine Pollution Bulletin* 138, 421-427. [Link](#)
- Niehus, N.C., Floeter, C., Hollert, H., Witt, G., 2018. Miniaturised Marine Algae Test with Polycyclic Aromatic Hydrocarbons – Comparing Equilibrium Passive Dosing and Nominal Spiking. *Aquatic Toxicology* 198, 190-197. [Link](#)
- Oehler T., Martinez, R., Schückel, U., Winter, C., Kröncke, I., Schlüter, M., 2015. Seasonal and spatial variations of benthic oxygen and nitrogen fluxes in the Helgoland Mud Area (southern North Sea). *Continental Shelf Research* 106: 118-129. [Link](#)
- Oehler, T., Schlüter, M., Schückel, U., 2015. Seasonal dynamics of the biogenic silica cycle in surface sediments of the Helgoland Mud Area (southern North Sea). *Continental Shelf Research* 107: 103-114. [Link](#)
- Pätsch, J., et al., 2017. An evaluation of the North Sea circulation in global and regional models relevant for ecosystem simulations. *Ocean Modelling* 116: 70-95. [Link](#)
- Petersen, J., Pröfrock, D., Paschke, A., Broekaert, J.A.C., Prange, A., 2016. Development and field test of a mobile continuous flow system utilizing Chemcatcher for monitoring of rare earth elements in

marine environments. *Environmental Science: Water Research & Technology* 2016 (2) 146-153. DOI: 10.1039/C5EW00126A

Probst, W.N., Stelzenmüller, V., 2015. A benchmarking and assessment framework to operationalise ecological indicators based on time series analysis. *Ecological Indicators* 55: 94–106. [Link](#)

Rambo, H., Stelzenmüller, V., Greenstreet, S.P.R., Möllmann, C., 2017. Mapping fish community biodiversity for European marine policy requirements. *ICES Journal of Marine Science* 74, 2223-2238. [Link](#)

Serna, A., Lahajnar, N., Pätsch, J., Emeis, K.-C., 2014. Organic matter sources and degradation in the German Bight/SE North Sea: Implications from stable nitrogen isotopes and amino acids. *Marine Chemistry* 166: 103-113. [Link](#)

Stelzenmüller, V., Diekmann, R., Bastardie, F., Schulze, Berkenhagen, J., Kloppmann, M., Krause, G., Pogoda, B., Buck, B.,H., Kraus, G., 2016. Co-location of passive gear fisheries in offshore wind farms in the German EEZ of the North Sea: A first socio-economic scoping. *Environmental Management* 183: 794-805. *Environmental Science and Policy*. [Link](#)

Stelzenmüller, V., Fock, H.O., Gimpel, A., Rambo, H., Diekmann, R., Probst, W.N., Callies, U., Bockelmann, F., Neumann, H., Kröncke, I., 2015. Quantitative environmental risk assessments in the context of marine spatial management: current approaches and some perspectives. *ICES Journal of Marine Science* 72, 1022-1042. [Link](#)

Strizak, Z., Ivankovic, D., Pröfrock, D., Helmholz, H., Cindric, A.-M., Erk, M., Prange, A., 2014. Characterization of the cytosolic distribution of priority pollutant metals and metalloids in the digestive gland cytosol of marine mussels: seasonal and spatial variability. *Science of The Total Environment* 470–471: 159–170. [Link](#)

Sühring, R., Barber, J.L., Wolschke, H., Kötke, D., Ebinghaus, R., 2015: Fingerprint analysis of brominated flame retardants and Dechloranes in North Sea sediments. *Environmental Research* 140: 569–578. [Link](#)

van Beusekom, J. T., Bobsien, R, Boersma, M., Buschbaum, C., Dänhardt, A., Darr, A., Friedland, R., Kloppmann, M., Kröncke, I., Rick, H-J, Wetzel, M., 2018. Aquatische Ökosysteme: Nordsee, Wattenmeer, Elbeästuar und Ostsee. In: von Storch H, Meinke I. (Eds.): Hamburg Klimabericht, 89-107. [Link](#)

Wolschke, H., Sühring, R., Massei, R., Tang, J., Ebinghaus, R., 2018. Regional variations of organophosphorus flame retardants - Fingerprint of large river basin estuaries/deltas in Europe compared with China. *Environmental Pollution* 236, 391-395. [Link](#)

Zhang, W., Wirtz, K., Daewel, U., Wrede, A., Neumann, A., Kröncke, I., Meyer, J., Ma, M., Schrum, C., 2019. The budget of macrobenthic reworked organic carbon - a modelling case study of the North Sea. *Journal of Geophysical Research – Biogeosciences*, [Link](#)

Zhao, Z., Xie, Z., Tang, J., Gan, Z.; Ebinghaus, R., 2015. Spatial distribution of perfluoroalkyl acids in surface sediments of the German Bight, North Sea. *Science of The Total Environment* 511: 145-152. [Link](#)

Zhao, Z., Xie, Z., Tang, J., Sturm, R., Chen, Y., Zhang, G., Ebinghaus, R., 2015. Seasonal variations and spatial distributions of perfluoroalkyl substances in the rivers Elbe and lower Weser and the North Sea. *Chemosphere* 129: 118–125. [Link](#)