

**Publikationsliste Forschung → Abwasser/Wasserkreislauf (nach Erscheinungsjahr sortiert)**

*Schmidt N., Page D., Tiehm A.:*

**Biodegradation of pharmaceuticals and endocrine disruptors with oxygen, nitrate, manganese (IV), iron (III) and sulfate as electron acceptors.**

Journal of Contaminant Hydrology 203: 62-69 (2017)

DOI 10.1016/j.jconhyd.2017.06.007

Scheurer, M., Nödler, K., Freeling, F., Janda, J., Happel, O., Riegel, M., Müller, U., Storck, F.R., Fleig, M., Lange, F.T., Brunsch, A., Brauch, H.-J. (2017). **Small, mobile, persistent: Trifluoroacetate in the water cycle - Overlooked sources, pathways, and consequences for drinking water supply.** Water Research: 126, 460-471.

*Schneider A.-L., Schell H., Hild S., Mangold K.-M., Tiehm A.:*

**Studies into design and operation of microbial fuel cells using oxygen gas diffusion electrodes.**

Desalination and Water Treatment 91: 222-227 (2017)

DOI 10.5004/dwt.2017.20558

Castronovo, S., Wick, A., Scheurer, M., Nödler, K., Schulz, M., Ternes, T. A. (2017) **Biodegradation of the artificial sweetener acesulfame in biological wastewater treatment and sandfilters.** Water Research: 110, 342–353.

Nödler, K., Tsakiri, M., Aloupi, M., Gatidou, G., Stasinakis, A.S., Licha, T. (2016) **Evaluation of polar organic micropollutants as indicators for wastewater-related coastal water quality impairment.** Environmental Pollution: 211, 282–290.

*Ho J., Seidel M., Niessner R., Eggert J., Tiehm A.:*

**Long amplicon (LA)-qPCR for the discrimination of infectious and noninfectious phiX174 bacteriophages after UV inactivation.**

Water Research 103: 141-148 (2016)

DOI 10.1016/j.watres.2016.07.032

*Schmidt K.R., aus der Beek T., Dai X., Dong B., Dopp E., Eichinger F., Hammers-Wirtz M., Haußmann R., Holbach A., Hollert H., Illgen M., Jiang X., Koehler J., Koester S., Korth A., Kueppers S., Li A., Lohmann M., Moldaenke C., Norra S., Qin B., Qin Y., Reese M., Riehle E., Santiago-Schuebel B., Schaefer C., Simon A., Song Y., Staaks C., Steinhardt J., Subklew G., Tao T., Wu T., Yin D., Zhao F., Zheng B., Zhou M., Zou H., Zuo J., Tiehm A.:* **Since 2015 the SinoGerman research project SIGN supports water quality improvement in the Taihu region, China.** Environmental Sciences Europe 28(1): 1-6 (2016)

DOI 10.1186/s12302-016-0092-7

Jekel, M., Dott W., Bergmann, A., Dünnebier, U., Gnirß, R., Haist-Gulde, B., Hamscher, G., Letzel, M., Licha, T., Lyko, S., Miehe, U., Sacher, F., Scheurer, M., Schmidt, C. K., Reemtsma, T., Ruhl, A.S. (2015) **Selection of organic process and source indicator substances for the anthropogenically influenced water cycle.** Chemosphere: 125, 155-67.

Scheurer, M., Heß, S., Lüddecke, F., Sacher, F., Güde, H., Löffler, H., Gallert, C. (2015) **Removal of micropollutants, facultative pathogenic and antibiotic resistant bacteria in a full-scale retention soil filter receiving combined sewer overflow.** Environmental Science: Processes & Impacts 17 (1), 186-196.