

Matthias Liess (Prof. Dr.)

Publications

182 Publications, 8000 citations, h-Index 49 (WoS 12.2019)

19 Books and book chapters

2 Patents

Compilation at

WoS: <http://www.researcherid.com/rid/A-8582-2009>

SCOPUS: <https://www.scopus.com/authid/detail.uri?authorId=7006115432&origin=AuthorEval>

ORCID: <http://orcid.org/0000-0002-3321-8909>

Research Gate: https://www.researchgate.net/profile/Matthias_Liess

Google Scholar: <https://scholar.google.de/citations?user=Jpz-KpUAAAAJ&hl=de>

Peer reviewed:

2019

155. Liess M, Henz S, Knillmann S. 2019. Predicting low-concentration effects of pesticides. *Scientific Reports*, 9: 15248. <https://doi.org/10.1038/s41598-019-51645-4>

154. Shahid N, Liess M, Knillmann S. 2019. Environmental stress increases synergistic effects of pesticide mixtures on *Daphnia magna*. *Environmental Science & Technology*. <https://doi.org/10.1021/acs.est.9b04293>

153. Future pesticide risk assessment – narrowing the gap between intention and reality
Ralf Schaefer; Matthias Liess; Rolf Altenburger; Juliane Filser; Henner Hollert; Martina Roß-Nickoll; Andreas Schäffer; Martin Scheringer
Environmental Sciences Europe

152. Liess M, Ratte T, Ebke P, Hollert H, 2019. 20 years SETAC GLB – increasing realism of pesticide risk assessment. *Environmental Science Europe*. 31:13. <https://doi.org/10.1186/s12302-019-0197-x>.

151. Knillmann S, Liess M. 2019. Pesticide Effects on Stream Ecosystems: Drivers, Risks, and Societal Responses. In: M. Schröter et al. (eds.), *Atlas of Ecosystem Services* <https://doi.org/10.1007/978-3-319-96229-0> 33.

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150. Shahid N, Becker JM, Krauss M, Brack W, Liess M. 2018. Pesticide Body Burden of the Crustacean *Gammarus pulex* as a Measure of Toxic Pressure in Agricultural Streams. *Environmental Science & Technology*. 52, 7823-7832.

149. Russo R, Haange S-B, Rolle-Kampczyk U, von Bergen M, Becker JM, Liess M. 2018. Identification of pesticide exposure-induced metabolic changes in mosquito larvae. *Science of the Total Environment*. 643,1533–1541.

148. Elono ALM, Foit K, Duquesne S, Liess M. 2018. Controlling *Culex pipiens*: antagonists are more efficient than a neonicotinoid insecticide. *Journal of Vector Ecology*, 43 (1): 26-35.

147. Schäffer A, Filser J, Frische T, Gessner M, Köck W, Kratz W, Liess M, Nuppenau E-A, Roß-Nickoll M, Schäfer R, Scheringer M 2018. Der stumme Frühling - Zur Notwendigkeit eines umweltverträglichen Pflanzenschutzes. Diskussion Nr. 16. Nationale Akademie der Wissenschaften - Leopoldina, Halle (Saale).

146. Knillmann S, Orlinkiy P, Kaske O, Foit K, Liess M. 2018. Indication of pesticide effects and recolonization in streams. *Science of the Total Environment*. 630, 1619–1627.

145. Shahid N, Becker JM, Krauss M, Brack W, Liess M. 2018. Adaptation of *Gammarus pulex* to agricultural insecticide contamination in streams. *Science of the Total Environment*. 621, 479–485.

144. Russo R, Becker JM, Liess M. 2018. Sequential exposure to low levels of pesticides and temperature stress increase toxicological sensitivity of crustaceans. *Science of the Total Environment*. 610-611, 563-569.

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143. Gerner NV, Cailleaud K, Bassères A, Liess M, Beketov MA. 2017. Sensitivity ranking for freshwater invertebrates towards hydrocarbon contaminants. *Ecotoxicology*. 26, 9, 1216-1226.

142. Hunt L, Marrochi N, Bonetto C, Liess M, Buss DF, Vieira da Silva C, Chiu M-C, Rest VH. 2017. Do riparian buffers protect stream invertebrate communities in South American Atlantic forest agricultural areas? *Environmental Management*. 60, 6, 1155–1170.

141. Becker J, Liess M. 2017. Species diversity hinders adaptation to toxicants. *Environmental Science & Technology*. 51, 10195–10202.

140. Liess M, Gerner N, Kefford B. 2017. Metal toxicity affects predatory stream invertebrates less than other functional feeding groups. *Environmental Pollution*. 227, 505-512.

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