

Dr. Christa S. McArdell (formerly Bürgisser): **Full publication list**

<i>As of April 22, 2022</i>	SCOPUS	ResearcherID	Google Scholar
Total articles in publication list:	51	59	102
Sum of the times cited:	9712	8549	14847
h-index:	35	34	40

Link to publication list in [institutional repository](#)

PUBLICATIONS peer-reviewed

- Kienle, C., Werner, I., Fischer, S., Lüthi, C., Schifferli, A., Besselink, H., Langer, M., McArdell, C.S., Vermeirssen, E. (2021) Evaluation of a full-scale wastewater treatment plant with ozonation and different post-treatments using a broad range of in vitro and in vivo bioassays. *Water Research*, 212, 118084. doi.org/10.1016/j.watres.2022.118084.
- Gulde, R., Clerc, B., Rutsch, M., Helbing, J., Salhi, E., McArdell, C.S. von Gunten, U. (2021) Oxidation of 51 micropollutants during drinking water ozonation: Formation of transformation products and their fate during biological post-filtration. *Wat. Res.* 117812. <https://doi.org/10.1016/j.watres.2021.117812>.
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- Gulde, R., Rutsch, M., Clerc, B., Schollée, J.E., von Gunten, U., McArdell, C.S. (2021) Formation of transformation products during ozonation of secondary wastewater effluent and their fate in post-treatment: From laboratory- to full-scale. *Water Research*, 200,117200. <https://doi.org/10.1016/j.watres.2021.117200>.
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- Tekle-Röttering A., Lim S., Reisz E., Lutze H.V., Sajjad Abdighahroudi M., Willach S., Schmidt W., Tentscher P., Rentsch D., McArdell C.S., Schmidt T.C., von Gunten U. (2020) Reactions of pyrrole, imidazole, and pyrazole with ozone: kinetics and mechanisms. *Environmental Science: Water Research & Technology*, Open Access. DOI: 10.1039/c9ew01078e.
- Rizzo L., Gernjak W., Krzeminski P., Malato S., McArdell C.S., Sanchez-Perez J.A., Schaar H., Fatta-Kassinos D. (2020) Review: Best available technologies and treatment trains to address current challenges in urban wastewater reuse for irrigation of crops in EU countries. *Sci. Tot. Env.* 710, 136312. doi.org/10.1016/j.scitotenv.2019.136312.
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BOOK CHAPTERS and REPORTS

- Brander, A., Böhler, M., McArdell, C., & Joss, A. (2021). Hinweise zur Planung und Auslegung von diskontinuierlich gespülten GAK-Filtern zur Elimination organischer Spurenstoffe aus kommunalem Abwasser unter besonderer Berücksichtigung der Anforderungen und Erfahrungen in der Schweiz (p. (6 pp.)). Presented at the 14. Aachener Tagung Wassertechnologie. Verfahren der Wasseraufbereitung und Abwasserbehandlung.
- Böhler, M. A., Hagemann, N., Bucheli, T., Brander, A., & McArdell, C. S. (2021). Erneuerbare Aktivkohlen für die Spurenstoffelimination aus kommunalem Abwasser - Performance und Potenzial biogener Ausgangsstoffe (p. (8 pp.)). Presented at the 14. Aachener Tagung Wassertechnologie. Verfahren der Wasseraufbereitung und Abwasserbehandlung.
- Böhler, M. A., McArdell, C. S., Oltramare, C., Hernandez, A., Büeler, A., & Siegrist, H. (2021). PAK-Dosierung in die biologische Stufe mit S::Select®-Verfahren zur erweiterten Abwasser-behandlung auf der ARA Glarnerland. In 14. Aachener Tagung Wassertechnologie. Verfahren der Wasseraufbereitung und Abwasserbehandlung (p. (10 pp.)). RWTH Aachen.
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- Böhler, M. A., Remy, C., Löwenberg, J., Hagemann, N., Hernandez, A., Joss, A., & McArdell, C. S. (2019). Kann die Kohle nachhaltig sein? – Einsatz von Aktivkohle zur Elimination von Spurenstoffen aus kommunalem Abwasser. In M. Wessling & J. Pinnekamp (Eds.), 13. Aachener Tagung Wassertechnologie. Verfahren der Wasseraufbereitung und Abwasserbehandlung (pp. 51-62). RWTH Aachen.
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