

## PEER-REVIEWED JOURNAL PUBLICATIONS

12. **Getzinger, G.J.**; Higgins, C.P.; Ferguson, P.L.; Structure Database and In Silico Spectral Library for Comprehensive Suspect Screening of Per- and Polyfluoroalkyl Substances (PFASs) in Environmental Media by High-resolution Mass Spectrometry, *Analytical Chemistry* **2021**, [10.1021/acs.analchem.0c04109](https://doi.org/10.1021/acs.analchem.0c04109)
11. **Getzinger, G.J.**; Ferguson, P.L.; Illuminating the exposome with high-resolution accurate-mass mass spectrometry and nontargeted analysis, *Current Opinion in Environmental Science & Health* **2020**, [10.1016/j.coesh.2020.05.005](https://doi.org/10.1016/j.coesh.2020.05.005)
10. Manfrin, A.; Nizkorodov, S.; Malecha, K.; **Getzinger, G.J.**; McNeill, K.; Borduas-Dedekind, N. Reactive Oxygen Species Production From Secondary Organic Aerosols: The Importance of Singlet Oxygen. *Environ. Sci. Technol.* **2019**, [10.1021/acs.est.9b01609](https://doi.org/10.1021/acs.est.9b01609)
9. Evans, M.; **Getzinger, G. J.**; Luek, J.; Hanson, A.; McLaughlin, M.; Blotevogel, J.; Welch, S.; Nicora, C.; Purvine, S.; Xu, C.; Cole, D.; Darrah, T.; Hoyt, D.; Metz, T.; Ferguson, P.L.; Lipton, M.; Wilkins, M.; Mouser, P. In situ transformation of ethoxylate and glycol surfactants by shale-colonizing microorganisms during hydraulic fracturing. *The ISME Journal* **2019**, [10.1038/s41396-019-0466-0](https://doi.org/10.1038/s41396-019-0466-0)
8. De Hoe, G.; Zumstein, Z.; **Getzinger, G.J.**, Rueggsegger, I; Kohler, H.E.; Maurer-Jones, M.A.; Sander, M; Hillmyer, M.A.; McNeill, K.. Photochemical Transformation of Poly(butylene adipate-co-terephthalate) and Its Effects on Enzymatic Hydrolyzability. *Environ. Sci. Technol.* **2019**, [10.1021/acs.est.8b06458](https://doi.org/10.1021/acs.est.8b06458)
7. Walpen, N.; Lau, M.; Fiskal, A.; **Getzinger, G. J.**; Meyer, S; Nelson, T; Lever, M; Schroth, M.H.; Sander, M, Oxidation of Reduced Peat Particulate Organic Matter by Dissolved Oxygen: Quantification of Apparent Rate Constants in the Field. *Environ. Sci. Technol.* **2018**, 52(19) [10.1021/acs.est.8b03419](https://doi.org/10.1021/acs.est.8b03419)
6. Walpen, N.; **Getzinger, G. J.**; Schroth, M.H.; Sander, M, Electron-donating Phenolic and Electron-accepting Quinone Moieties in Peat Dissolved Organic Matter: Quantities and Redox Transformations in the Context of Peat Biogeochemistry. *Environ. Sci. Technol.* **2018**, 52 (9). [10.1021/acs.est.8b00594](https://doi.org/10.1021/acs.est.8b00594)
5. Hoelzer, K.; Sumner, A. J.; Karatum, O.; Nelson, R. K.; Drollette, B. D.; O'Connor, M. P.; D'Ambro, E. L.; **Getzinger, G. J.**; Ferguson, P. L.; Reddy, C. M.; Elsner, M.; Plata, D. L., Indications of Transformation Products from Hydraulic Fracturing Additives in Shale-Gas Wastewater. *Environ. Sci. Technol.* **2016**, 50 (15). [10.1021/acs.est.6b00430](https://doi.org/10.1021/acs.est.6b00430)
4. Li, H; **Getzinger, G. J.**; Ferguson, P.L.; Orihuela, B; Zhu, Mei; Rittschof, D. Effects of Toxic Leachates from Commercial Plastics on Larval Survival and Settlement of the Barnacle Amphibalanus amphitrite. *Environ. Sci. Technol.* **2015**, 50 (2). [10.1021/acs.est.5b02781](https://doi.org/10.1021/acs.est.5b02781)
3. **Getzinger, G. J.**; O'Connor, M.P.; Hoelzer, K.; Drollette, B.D.; Karatum, O.; Deshusses, M.A.; Ferguson, P.L.; Elsner, M.; Plata, D.L. Natural Gas Residual Fluids: Sources, Endpoints, and Organic Chemical Composition after Centralized Waste Treatment in Pennsylvania. *Environ. Sci. Technol.* **2015**, 51 (60). [10.1021/acs.est.5b00471](https://doi.org/10.1021/acs.est.5b00471)
2. Fang, M.; **Getzinger, G. J.\***; Cooper, E. M.; Clark, B. W.; Garner, L. V. T.; Giulio, R. T. D.; Ferguson, P. L.; Stapleton, H. M., Effect-directed analysis of Elizabeth river pore water: Developmental toxicity in zebrafish (*Danio rerio*). *Environ Toxicol Chem* **2014**, 30. [10.1002/etc.2738](https://doi.org/10.1002/etc.2738)  
\* co-first author.
1. Stapleton, H.M.; Sharma, S.; **Getzinger, G. J.**; Ferguson, P.L.; Gabriel, T.; Webster, F.; Blum, A. Novel and High Volume Flame Retardants in US Couches Reflective of the 2005 PentaBDE Phase Out. *Environ. Sci. Technol.* **2012**, 46 (24). [10.1021/es303471d](https://doi.org/10.1021/es303471d).

## MANUSCRIPTS IN REVISION

1. **Getzinger, G.J.**; Ferguson, P.L.; High-throughput Trace-level Suspect Screening for Per- and Polyfluoroalkyl Substances in Environmental Waters by Peak-focusing Online Solid Phase Extraction and High-resolution Mass Spectrometry, *ES&T Water*