# Sondre Meland

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 31 papers | 358 citations | 13 h-index | 18 g-index |
| 32 ext. papers | 487 ext. citations | 8.4 avg, IF | 3.56 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 31 | A novel method for the quantification of tire and polymer-modified bitumen particles in environmental samples by pyrolysis gas chromatography mass spectroscopy. *Journal of Hazardous Materials*, **2022**, 423, 127092 | 12.8 | 7 |
| 30 | Occurrence of tire and road wear particles in urban and peri-urban snowbanks, and their potential environmental implications.. *Science of the Total Environment*, **2022**, 153785 | 10.2 | 5 |
| 29 | Characterization of tire and road wear microplastic particle contamination in a road tunnel: From surface to release. *Journal of Hazardous Materials*, **2022**, 435, 129032 | 12.8 | 1 |
| 28 | Bioaccumulation of trace elements in liver and kidney of fish species from three freshwater lakes in the Ethiopian Rift Valley. *Environmental Monitoring and Assessment*, **2021**, 193, 329 | 3.1 | 0 |
| 27 | Occurrence and trophic transport of organic compounds in sedimentation ponds for road runoff. *Science of the Total Environment*, **2021**, 751, 141808 | 10.2 | 3 |
| 26 | Challenges with Quantifying Tire Road Wear Particles: Recognizing the Need for Further Refinement of the ISO Technical Specification. *Environmental Science and Technology Letters*, **2021**, 8, 231-236 | 11 | 18 |
| 25 | Road de-icing salt: Assessment of a potential new source and pathway of microplastics particles from roads. *Science of the Total Environment*, **2020**, 738, 139352 | 10.2 | 15 |
| 24 | A comparative study of macroinvertebrate biodiversity in highway stormwater ponds and natural ponds. *Science of the Total Environment*, **2020**, 740, 140029 | 10.2 | 2 |
| 23 | Polycyclic aromatic hydrocarbons: bioaccumulation in dragonfly nymphs (Anisoptera), and determination of alkylated forms in sediment for an improved environmental assessment. *Scientific Reports*, **2020**, 10, 10958 | 4.9 | 7 |
| 22 | Assessing optimal water quality monitoring network in road construction using integrated information-theoretic techniques. *Journal of Hydrology*, **2020**, 589, 125366 | 6 | 7 |
| 21 | Impact of environmental factors on aquatic biodiversity in roadside stormwater ponds. *Scientific Reports*, **2019**, 9, 5994 | 4.9 | 14 |
| 20 | DNA metabarcoding adds valuable information for management of biodiversity in roadside stormwater ponds. *Ecology and Evolution*, **2019**, 9, 9712-9722 | 2.8 | 11 |
| 19 | Road related pollutants induced DNA damage in dragonfly nymphs (Odonata, Anisoptera) living in highway sedimentation ponds. *Scientific Reports*, **2019**, 9, 16002 | 4.9 | 5 |
| 18 | Aquatic biodiversity in sedimentation ponds receiving road runoff - What are the key drivers?. *Science of the Total Environment*, **2018**, 610-611, 1527-1535 | 10.2 | 13 |
| 17 | Identification of non-regulated polycyclic aromatic compounds and other markers of urban pollution in road tunnel particulate matter. *Journal of Hazardous Materials*, **2017**, 323, 36-44 | 12.8 | 16 |
| 16 | Roads and motorized transport as major sources of priority substances? A data register study. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2017**, 80, 1031-1047 | 3.2 | 3 |
| 15 | PAH Accessibility in Particulate Matter from Road-Impacted Environments. *Environmental Science & Technology*, **2016**, 50, 7964-72 | 10.3 | 19 |

# List of Publications

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|---|---|---|---|
| 14 | PAH related effects on fish in sedimentation ponds for road runoff and potential transfer of PAHs from sediment to biota. *Science of the Total Environment*, **2016**, 566-567, 1309-1317 | 10.2 | 20 |
| 13 | In vivo and in vitro effects of tunnel wash water and traffic related contaminants on aquatic organisms. *Chemosphere*, **2016**, 164, 363-371 | 8.4 | 6 |
| 12 | Transcriptional changes in Atlantic salmon (Salmo salar) after embryonic exposure to road salt. *Aquatic Toxicology*, **2015**, 169, 58-68 | 5.1 | 9 |
| 11 | Mobility of radionuclides and trace elements in soil from legacy NORM and undisturbed naturally 232Th-rich sites. *Environmental Sciences: Processes and Impacts*, **2014**, 16, 1124-34 | 4.3 | 6 |
| 10 | Toxicity of road deicing salt (NaCl) and copper (Cu) to fertilization and early developmental stages of Atlantic salmon (Salmo salar). *Journal of Hazardous Materials*, **2014**, 280, 331-9 | 12.8 | 20 |
| 9 | Does road salting confound the recovery of the microcrustacean community in an acidified lake?. *Science of the Total Environment*, **2014**, 478, 36-47 | 10.2 | 7 |
| 8 | Purification Practices of Water Runoff from Construction of Norwegian Tunnels Status and Research Gaps **2013**, 475-484 | | 0 |
| 7 | Trace element mobility and transfer to vegetation within the Ethiopian Rift Valley lake areas. *Journal of Environmental Monitoring*, **2012**, 14, 2698-709 | | 8 |
| 6 | Hepatic gene expression profile in brown trout (Salmo trutta) exposed to traffic related contaminants. *Science of the Total Environment*, **2011**, 409, 1430-43 | 10.2 | 15 |
| 5 | Speciation of selected trace elements in three Ethiopian Rift Valley Lakes (Koka, Ziway, and Awassa) and their major inflows. *Science of the Total Environment*, **2011**, 409, 3955-70 | 10.2 | 24 |
| 4 | Ecotoxicological impact of highway runoff using brown trout (Salmo trutta L.) as an indicator model. *Journal of Environmental Monitoring*, **2010**, 12, 654-64 | | 14 |
| 3 | Short-term temporal variations in speciation of Pb, Cu, Zn and Sb in a shooting range runoff stream. *Science of the Total Environment*, **2010**, 408, 2409-17 | 10.2 | 29 |
| 2 | Exposure of brown trout (Salmo trutta L.) to tunnel wash water runoff--chemical characterisation and biological impact. *Science of the Total Environment*, **2010**, 408, 2646-56 | 10.2 | 21 |
| 1 | Chemical and ecological effects of contaminated tunnel wash water runoff to a small Norwegian stream. *Science of the Total Environment*, **2010**, 408, 4107-17 | 10.2 | 33 |