

Daniel Obrist

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,852
citations

236925

25
h-index

501196

28
g-index

28
all docs

28
docs citations

28
times ranked

2176
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Arctic mercury cycling. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 270-286. | 29.7 | 60 |
| 2 | Vegetation uptake of mercury and impacts on global cycling. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 269-284. | 29.7 | 150 |
| 3 | Previously unaccounted atmospheric mercury deposition in a midlatitude deciduous forest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 42 |
| 4 | Global Mercury Assimilation by Vegetation. <i>Environmental Science & Technology</i> , 2021, 55, 14245-14257. | 10.0 | 42 |
| 5 | Direct detection of atmospheric atomic bromine leading to mercury and ozone depletion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14479-14484. | 7.1 | 68 |
| 6 | Mercury in tundra vegetation of Alaska: Spatial and temporal dynamics and stable isotope patterns. <i>Science of the Total Environment</i> , 2019, 660, 1502-1512. | 8.0 | 38 |
| 7 | Mercury and trace metal wet deposition across five stations in Alaska: controlling factors, spatial patterns, and source regions. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6913-6929. | 4.9 | 27 |
| 8 | Atmosphere-terrestrial exchange of gaseous elemental mercury: parameterization improvement through direct comparison with measured ecosystem fluxes. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1699-1712. | 3.5 | 12 |
| 9 | Insights from mercury stable isotopes on terrestrial-atmosphere exchange of Hg(0) in the Arctic tundra. <i>Biogeosciences</i> , 2019, 16, 4051-4064. | 3.3 | 57 |
| 10 | A vegetation control on seasonal variations in global atmospheric mercury concentrations. <i>Nature Geoscience</i> , 2018, 11, 244-250. | 12.9 | 180 |
| 11 | A review of global environmental mercury processes in response to human and natural perturbations: Changes of emissions, climate, and land use. <i>Ambio</i> , 2018, 47, 116-140. | 5.5 | 500 |
| 12 | Mercury in the Arctic tundra snowpack: temporal and spatial concentration patterns and trace gas exchanges. <i>Cryosphere</i> , 2018, 12, 1939-1956. | 3.9 | 10 |
| 13 | Mercury in Active-Layer Tundra Soils of Alaska: Concentrations, Pools, Origins, and Spatial Distribution. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1058-1073. | 4.9 | 47 |
| 14 | Tundra uptake of atmospheric elemental mercury drives Arctic mercury pollution. <i>Nature</i> , 2017, 547, 201-204. | 27.8 | 314 |
| 15 | Mercury isotope compositions across North American forests. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1475-1492. | 4.9 | 162 |
| 16 | A synthesis of terrestrial mercury in the western United States: Spatial distribution defined by land cover and plant productivity. <i>Science of the Total Environment</i> , 2016, 568, 522-535. | 8.0 | 68 |
| 17 | Estimating mercury emissions resulting from wildfire in forests of the Western United States. <i>Science of the Total Environment</i> , 2016, 568, 578-586. | 8.0 | 44 |
| 18 | New Constraints on Terrestrial Surface-Atmosphere Fluxes of Gaseous Elemental Mercury Using a Global Database. <i>Environmental Science & Technology</i> , 2016, 50, 507-524. | 10.0 | 136 |

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|----|--|------|-----------|
| 19 | Convective forcing of mercury and ozone in the Arctic boundary layer induced by leads in sea ice. <i>Nature</i> , 2014, 506, 81-84. | 27.8 | 79 |
| 20 | Vertical Profile Measurements of Soil Air Suggest Immobilization of Gaseous Elemental Mercury in Mineral Soil. <i>Environmental Science & Technology</i> , 2014, 48, 2242-2252. | 10.0 | 78 |
| 21 | Effects of vegetation type on mercury concentrations and pools in two adjacent coniferous and deciduous forests. <i>Journal of Plant Nutrition and Soil Science</i> , 2012, 175, 68-77. | 1.9 | 78 |
| 22 | Mercury Distribution across 14 U.S. Forests. Part II: Patterns of Methyl Mercury Concentrations and Areal Mass of Total and Methyl Mercury. <i>Environmental Science & Technology</i> , 2012, 46, 5921-5930. | 10.0 | 52 |
| 23 | Mercury Distribution Across 14 U.S. Forests. Part I: Spatial Patterns of Concentrations in Biomass, Litter, and Soils. <i>Environmental Science & Technology</i> , 2011, 45, 3974-3981. | 10.0 | 211 |
| 24 | Fate of mercury in tree litter during decomposition. <i>Biogeosciences</i> , 2011, 8, 2507-2521. | 3.3 | 64 |
| 25 | Elemental mercury fluxes over a sub-alpine grassland determined with two micrometeorological methods. <i>Atmospheric Environment</i> , 2008, 42, 2922-2933. | 4.1 | 75 |
| 26 | Summertime elemental mercury exchange of temperate grasslands on an ecosystem-scale. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 7709-7722. | 4.9 | 35 |
| 27 | Atmospheric mercury pollution due to losses of terrestrial carbon pools?. <i>Biogeochemistry</i> , 2007, 85, 119-123. | 3.5 | 99 |
| 28 | Foliar Mercury Accumulation and Exchange for Three Tree Species. <i>Environmental Science & Technology</i> , 2006, 40, 6001-6006. | 10.0 | 124 |