

Ellen Damm

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,936
citations

361388

20
h-index

434170

31
g-index

39
all docs

39
docs citations

39
times ranked

2373
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Methane discharge from a deep-sea submarine mud volcano into the upper water column by gas hydrate-coated methane bubbles. <i>Earth and Planetary Science Letters</i> , 2006, 243, 354-365. | 4.4 | 268 |
| 2 | Methane production in aerobic oligotrophic surface water in the central Arctic Ocean. <i>Biogeosciences</i> , 2010, 7, 1099-1108. | 3.3 | 181 |
| 3 | Methane emission and consumption at a North Sea gas seep (Tommeliten area). <i>Biogeosciences</i> , 2005, 2, 335-351. | 3.3 | 129 |
| 4 | Overview of the MOSAiC expedition: Atmosphere. <i>Elementa</i> , 2022, 10, . | 3.2 | 121 |
| 5 | Arctic warming interrupts the Transpolar Drift and affects long-range transport of sea ice and ice-rafted matter. <i>Scientific Reports</i> , 2019, 9, 5459. | 3.3 | 108 |
| 6 | A water column study of methane around gas flares located at the West Spitsbergen continental margin. <i>Continental Shelf Research</i> , 2014, 72, 107-118. | 1.8 | 104 |
| 7 | Methane cycling in Arctic shelf water and its relationship with phytoplankton biomass and DMSP. <i>Marine Chemistry</i> , 2008, 109, 45-59. | 2.3 | 102 |
| 8 | Widespread methane seepage along the continental margin off Svalbard - from Bj rn ya to Kongsfjorden. <i>Scientific Reports</i> , 2017, 7, 42997. | 3.3 | 100 |
| 9 | Pathways of methane in seawater: Plume spreading in an Arctic shelf environment (SW-Spitsbergen). <i>Continental Shelf Research</i> , 2005, 25, 1453-1472. | 1.8 | 96 |
| 10 | The future of Arctic sea-ice biogeochemistry and ice-associated ecosystems. <i>Nature Climate Change</i> , 2020, 10, 983-992. | 18.8 | 96 |
| 11 | Overview of the MOSAiC expedition: Snow and sea ice. <i>Elementa</i> , 2022, 10, . | 3.2 | 91 |
| 12 | Vertical distribution of methane oxidation and methanotrophic response to elevated methane concentrations in stratified waters of the Arctic fjord Storfjorden (Svalbard, Norway). <i>Biogeosciences</i> , 2013, 10, 6267-6278. | 3.3 | 77 |
| 13 | The MOSAiC ice floe: sediment-laden survivor from the Siberian shelf. <i>Cryosphere</i> , 2020, 14, 2173-2187. | 3.9 | 59 |
| 14 | Overview of the MOSAiC expedition: Physical oceanography. <i>Elementa</i> , 2022, 10, . | 3.2 | 54 |
| 15 | Methane excess in Arctic surface water- triggered by sea ice formation and melting. <i>Scientific Reports</i> , 2015, 5, 16179. | 3.3 | 51 |
| 16 | Excess of bottom-released methane in an Arctic shelf sea polynya in winter. <i>Continental Shelf Research</i> , 2007, 27, 1692-1701. | 1.8 | 50 |
| 17 | Near-surface hydrocarbon anomalies in shelf sediments off Spitsbergen: Evidences for past seepages. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, . | 2.5 | 49 |
| 18 | Methane and nitrous oxide distributions across the North American Arctic Ocean during summer, 2015. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 390-412. | 2.6 | 38 |

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|----|---|-----|-----------|
| 19 | The Transpolar Drift conveys methane from the Siberian Shelf to the central Arctic Ocean. <i>Scientific Reports</i> , 2018, 8, 4515. | 3.3 | 28 |
| 20 | Unmanned Aerial Systems for Investigating the Polar Atmospheric Boundary Layer—Technical Challenges and Examples of Applications. <i>Atmosphere</i> , 2020, 11, 416. | 2.3 | 25 |
| 21 | DMS and DMS cycling within Antarctic sea ice during the winter—spring transition. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 131, 150-159. | 1.4 | 20 |
| 22 | Studying boundary layer methane isotopy and vertical mixing processes at a rewetted peatland site using an unmanned aircraft system. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 1937-1952. | 3.1 | 15 |
| 23 | Sea Ice and Water Mass Influence Dimethylsulfide Concentrations in the Central Arctic Ocean. <i>Frontiers in Earth Science</i> , 2019, 7, . | 1.8 | 13 |
| 24 | Microhabitat preferences of live benthic foraminifera and stable carbon isotopes off SW Svalbard in the presence of widespread methane seepage. <i>Marine Micropaleontology</i> , 2017, 132, 1-17. | 1.2 | 9 |
| 25 | Dissolved methane in the water column of the Saguenay Fjord. <i>Marine Chemistry</i> , 2021, 230, 103926. | 2.3 | 8 |
| 26 | Methane cycling within sea ice: results from drifting ice during late spring, north of Svalbard. <i>Cryosphere</i> , 2021, 15, 2701-2717. | 3.9 | 8 |
| 27 | Interannual Variability in Methane and Nitrous Oxide Concentrations and Sea—Air Fluxes Across the North American Arctic Ocean (2015—2019). <i>Global Biogeochemical Cycles</i> , 2022, 36, . | 4.9 | 8 |
| 28 | Methane pathways in winter ice of a thermokarst lake—lagoon—coastal water transect in north Siberia. <i>Cryosphere</i> , 2021, 15, 1607-1625. | 3.9 | 7 |
| 29 | Waterside convection and stratification control methane spreading in supersaturated Arctic fjords (Spitsbergen). <i>Continental Shelf Research</i> , 2021, 224, 104473. | 1.8 | 7 |
| 30 | Shelf-Sourced Methane in Surface Seawater at the Eurasian Continental Slope (Arctic Ocean). <i>Frontiers in Environmental Science</i> , 2022, 10, . | 3.3 | 3 |
| 31 | Impacts of glacier and sea ice melt on methane pathways on the Northeast Greenland shelf. <i>Continental Shelf Research</i> , 2022, 243, 104752. | 1.8 | 2 |