

Henrik Stahl

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

2,176
citations

172207

29
h-index

223531

46
g-index

48
all docs

48
docs citations

48
times ranked

2803
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating hypoxia in aquatic environments: diverse approaches to addressing a complex phenomenon. <i>Biogeosciences</i> , 2014, 11, 1215-1259.	1.3	175
2	Detection and impacts of leakage from sub-seafloor deep geological carbon dioxide storage. <i>Nature Climate Change</i> , 2014, 4, 1011-1016.	8.1	159
3	River bed carbon and nitrogen cycling: State of play and some new directions. <i>Science of the Total Environment</i> , 2012, 434, 143-158.	3.9	98
4	Denitrification activity and oxygen dynamics in Arctic sea ice. <i>Polar Biology</i> , 2008, 31, 527-537.	0.5	95
5	Nitrogen cycling in a deep ocean margin sediment (Sagami Bay, Japan). <i>Limnology and Oceanography</i> , 2009, 54, 723-734.	1.6	94
6	Fine scale remobilisation of Fe, Mn, Co, Ni, Cu and Cd in contaminated marine sediment. <i>Marine Chemistry</i> , 2007, 106, 192-207.	0.9	91
7	Intercalibration of benthic flux chambers I. Accuracy of flux measurements and influence of chamber hydrodynamics. <i>Progress in Oceanography</i> , 2004, 60, 1-28.	1.5	89
8	Marine baseline and monitoring strategies for carbon dioxide capture and storage (CCS). <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 221-229.	2.3	89
9	Eddy correlation measurements of oxygen uptake in deep ocean sediments. <i>Limnology and Oceanography: Methods</i> , 2009, 7, 576-584.	1.0	81
10	Time-resolved pH imaging in marine sediments with a luminescent planar optode. <i>Limnology and Oceanography: Methods</i> , 2006, 4, 336-345.	1.0	79
11	The benthic silica cycle in the Northeast Atlantic: annual mass balance, seasonality, and importance of non-steady-state processes for the early diagenesis of biogenic opal in deep-sea sediments. <i>Progress in Oceanography</i> , 2001, 50, 171-200.	1.5	74
12	A novel sub-seabed CO ₂ release experiment informing monitoring and impact assessment for geological carbon storage. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 3-17.	2.3	64
13	In situ microscale variation in distribution and consumption of CO_2 : A case study from a deep ocean margin sediment (Sagami Bay, Japan). <i>Limnology and Oceanography</i> , 2009, 54, 1-12.	1.6	62
14	Detection of CO ₂ leakage from a simulated sub-seabed storage site using three different types of pCO ₂ sensors. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 121-134.	2.3	51
15	Factors influencing organic carbon recycling and burial in Skagerrak sediments. <i>Journal of Marine Research</i> , 2004, 62, 867-907.	0.3	50
16	Use of gel probes for the determination of high resolution solute distributions in marine and estuarine pore waters. <i>Marine Chemistry</i> , 1998, 63, 119-129.	0.9	49
17	Nitrogen cycling in deep-sea sediments of the Porcupine Abyssal Plain, NE Atlantic. <i>Progress in Oceanography</i> , 2004, 63, 159-181.	1.5	48
18	Effect of a controlled sub-seabed release of CO ₂ on the biogeochemistry of shallow marine sediments, their pore waters, and the overlying water column. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 80-92.	2.3	47

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19	Dissolved organic matter in abyssal sediments: Core recovery artifacts. <i>Limnology and Oceanography</i> , 2007, 52, 19-31.	1.6	44
20	Benthic O ₂ uptake of two cold-water coral communities estimated with the non-invasive eddy correlation technique. <i>Marine Ecology - Progress Series</i> , 2015, 525, 97-104.	0.9	43
21	Oxygen dynamics around buried lesser sandeels <i>Ammodytes tobianus</i> (Linnaeus 1785): mode of ventilation and oxygen requirements. <i>Journal of Experimental Biology</i> , 2007, 210, 1006-1014.	0.8	42
22	A combined sensor for simultaneous high resolution 2D imaging of oxygen and trace metals fluxes. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 389-401.	1.0	42
23	Impact and recovery of pH in marine sediments subject to a temporary carbon dioxide leak. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 93-101.	2.3	42
24	Benthic oxygen exchange in a live coralline algal bed and an adjacent sandy habitat: an eddy covariance study. <i>Marine Ecology - Progress Series</i> , 2015, 535, 99-115.	0.9	41
25	Rapid response of the active microbial community to CO ₂ exposure from a controlled sub-seabed CO ₂ leak in Ardmucknish Bay (Oban, Scotland). <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 171-181.	2.3	37
26	Recycling and burial of organic carbon in sediments of the Porcupine Abyssal Plain, NE Atlantic. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 777-791.	0.6	34
27	Impact of sub-seabed CO ₂ leakage on macrobenthic community structure and diversity. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 182-192.	2.3	32
28	Marine Microbial Gene Abundance and Community Composition in Response to Ocean Acidification and Elevated Temperature in Two Contrasting Coastal Marine Sediments. <i>Frontiers in Microbiology</i> , 2017, 8, 1599.	1.5	32
29	Dynamics of rising CO ₂ bubble plumes in the QICS field experiment. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 44-51.	2.3	31
30	Benthic Carbon Mineralization and Nutrient Turnover in a Scottish Sea Loch: An Integrative In Situ Study. <i>Aquatic Geochemistry</i> , 2016, 22, 443-467.	1.5	27
31	Comparison of three different methods for assessing in situ friction velocity: A case study from Loch Etive, Scotland. <i>Limnology and Oceanography: Methods</i> , 2011, 9, 275-287.	1.0	23
32	Benthic megafauna and CO ₂ bubble dynamics observed by underwater photography during a controlled sub-seabed release of CO ₂ . <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 202-209.	2.3	23
33	Local perceptions of the QICS experimental offshore CO ₂ release: Results from social science research. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 18-25.	2.3	22
34	Reach-scale river metabolism across contrasting sub-catchment geologies: Effect of light and hydrology. <i>Limnology and Oceanography</i> , 2017, 62, S381-S399.	1.6	22
35	Oxygen dynamics in shelf seas sediments incorporating seasonal variability. <i>Biogeochemistry</i> , 2017, 135, 35-47.	1.7	22
36	Short-term CO ₂ exposure and temperature rise effects on metazoan meiofauna and free-living nematodes in sandy and muddy sediments: Results from a flume experiment. <i>Journal of Experimental Marine Biology and Ecology</i> , 2018, 502, 211-226.	0.7	22

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37	Optical assessment of impact and recovery of sedimentary pH profiles in ocean acidification and carbon capture and storage research. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 110-120.	2.3	21
38	Imbalance in the carbonate budget of surficial sediments in the North Atlantic Ocean: variations over the last millenium?. <i>Progress in Oceanography</i> , 2001, 50, 201-221.	1.5	17
39	No evidence for impacts to the molecular ecophysiology of ion or CO ₂ regulation in tissues of selected surface-dwelling bivalves in the vicinity of a sub-seabed CO ₂ release. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 193-201.	2.3	11
40	Using the radium quartet (228 Ra, 226 Ra, 224 Ra, and 223 Ra) to estimate water mixing and radium inputs in Loch Etive, Scotland. <i>Limnology and Oceanography</i> , 2013, 58, 1089-1102.	1.6	10
41	Response of the ammonia oxidation activity of microorganisms in surface sediment to a controlled sub-seabed release of CO ₂ . <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 162-170.	2.3	9
42	The influence of coring method on the preservation of sedimentary and biogeochemical features when sampling soft-bottom, shallow coastal environments. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 905-915.	1.0	9
43	Preface to the QICS special issue. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 1.	2.3	7
44	Phosphorus behavior in sediments during a sub-seabed CO ₂ controlled release experiment. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 102-109.	2.3	5
45	Cyclone <i>Shaheen</i> : the exceptional tropical cyclone of October 2021 in the Gulf of Oman. <i>Weather</i> , 2022, 77, 364-370.	0.6	5
46	Incentivizing Innovation in a Knowledge Society. <i>Social Science Quarterly</i> , 2020, 101, 2389-2397.	0.9	3
47	In situ measurement of time-series two dimensional O ₂ distributions at sediment-water interface using a planar O ₂ optode system connected with a submarine cable. , 2007, , .		2