

# Mathilde Hagens

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9086610/publications.pdf>

Version: 2024-02-01

16  
papers

577  
citations

687220

13  
h-index

1058333

14  
g-index

27  
all docs

27  
docs citations

27  
times ranked

795  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ocean Alkalinity, Buffering and Biogeochemical Processes. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000681.	9.0	124
2	Iron oxide reduction in methane-rich deep Baltic Sea sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 207, 256-276.	1.6	95
3	Biogeochemical processes and buffering capacity concurrently affect acidification in a seasonally hypoxic coastal marine basin. <i>Biogeosciences</i> , 2015, 12, 1561-1583.	1.3	75
4	Post-depositional formation of vivianite-type minerals alters sediment phosphorus records. <i>Biogeosciences</i> , 2018, 15, 861-883.	1.3	35
5	Molybdenum dynamics in sediments of a seasonally-hypoxic coastal marine basin. <i>Chemical Geology</i> , 2017, 466, 627-640.	1.4	33
6	Is the climate change mitigation effect of enhanced silicate weathering governed by biological processes?. <i>Global Change Biology</i> , 2022, 28, 711-726.	4.2	32
7	Attributing seasonal pH variability in surface ocean waters to governing factors. <i>Geophysical Research Letters</i> , 2016, 43, 12,528.	1.5	31
8	Carbon sources in the North Sea evaluated by means of radium and stable carbon isotope tracers. <i>Limnology and Oceanography</i> , 2016, 61, 666-683.	1.6	29
9	Current estimates of $K_{CO_2}^{app}$ and $K_{CO_2}^{app}$ appear inconsistent with measured $CO_2$ system parameters in cold oceanic regions. <i>Ocean Science</i> , 2020, 16, 847-862.	1.3	28
10	Biogeochemical context impacts seawater pH changes resulting from atmospheric sulfur and nitrogen deposition. <i>Geophysical Research Letters</i> , 2014, 41, 935-941.	1.5	23
11	Generalised expressions for the response of pH to changes in ocean chemistry. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 187, 334-349.	1.6	23
12	Sedimentary alkalinity generation and long-term alkalinity development in the Baltic Sea. <i>Biogeosciences</i> , 2019, 16, 437-456.	1.3	18
13	Controls on the onset and termination of past hypoxia in the Baltic Sea. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 490, 347-354.	1.0	17
14	Phosphorus Cycling and Burial in Sediments of a Seasonally Hypoxic Marine Basin. <i>Estuaries and Coasts</i> , 2018, 41, 921-939.	1.0	13
15	Editorial for special issue on "understanding soil functions" from ped to planet. <i>European Journal of Soil Science</i> , 2021, 72, 1493.	1.8	0
16	Understanding Alkalinity to Quantify Ocean Buffering. <i>Eos</i> , 2020, 101, .	0.1	0