Per Oj Hall

List of Publications by Year
in descending order

34 papers	2,087 citations	331670 21 h-index	377865 34 g-index
34 all docs	34 docs citations	34 times ranked	2477 citing authors

#	Article	IF	Citations
1	The effect of oxygen on release and uptake of cobalt, manganese, iron and phosphate at the sediment-water interface. Geochimica Et Cosmochimica Acta, 1986, 50, 1281-1288.	3.9	282
2	Effect of oxygen on degradation rate of refractory and labile organic matter in continental margin sediments. Geochimica Et Cosmochimica Acta, 1998, 62, 1319-1328.	3.9	268
3	Fluxes of iron and manganese across the sedimentâ€“water interface under various redox conditions. Marine Chemistry, 2007, 107, 319-331.	2.3	169
4	Benthic fluxes of cadmium, copper, nickel, zinc and lead in the coastal environment. Geochimica Et Cosmochimica Acta, 1986, 50, 1289-1296.	3.9	145
5	Effects of resuspension on benthic fluxes of oxygen, nutrients, dissolved inorganic carbon, iron and manganese in the Gulf of Finland, Baltic Sea. Continental Shelf Research, 2009, 29, 807-818.	1.8	103
6	Biogeochemical heterogeneity and suboxic diagenesis in hemipelagic sediments of the Panama Basin. Deep-Sea Research Part I: Oceanographic Research Papers, 1998, 45, 133-165.	1.4	101
7	Societal need for improved understanding of climate change, anthropogenic impacts, and geo-hazard warning drive development of ocean observatories in European Seas. Progress in Oceanography, 2011, 91, 1-33.	3.2	91
8	Early diagenetic production and sediment-water exchange of fluorescent dissolved organic matter in the coastal environment. Geochimica Et Cosmochimica Acta, 1996, 60, 3619-3629.	3.9	89
9	Denitrification in the water column of the central Baltic Sea. Geochimica Et Cosmochimica Acta, 2013, 106, 247-260.	3.9	73
10	Arctic sediments (Svalbard): consumption and microdistribution of oxygen. Marine Chemistry, 1994, 46, 293-316.	2.3	72
11	Transport of fresh and resuspended particulate organic material in the Baltic Sea â€” a model study. Journal of Marine Systems, 2011, 87, 1-12.	2.1	63
12	Mineralization and burial of organic carbon in sediments of the southern Weddell Sea (Antarctica). Deep-Sea Research Part I: Oceanographic Research Papers, 1997, 44, 955-981.	1.4	58
13	Benthic nutrient fluxes on a basin-wide scale in the Skagerrak (North-Eastern North Sea). Journal of Sea Research, 1996, 35, 123-137.	1.6	52
14	Detection of CO 2 leakage from a simulated sub-seabed storage site using three different types of p CO 2 sensors. International Journal of Greenhouse Gas Control, 2015, 38, 121-134.	4.6	51
15	Environmental impact of kelp (Saccharina latissima) aquaculture. Marine Pollution Bulletin, 2020, 155, 110962.	5.0	51
16	Nitrogen cycling in deep-sea sediments of the Porcupine Abyssal Plain, NE Atlantic. Progress in Oceanography, 2004, 63, 159-181.	3.2	48
17	A simple sediment process description suitable for 3D-ecosystem modelling â€” Development and testing in the Gulf of Finland. Journal of Marine Systems, 2006, 61, 55-66.	2.1	45
18	Performance of a lifetimeâ€based optode for measuring partial pressure of carbon dioxide in natural waters. Limnology and Oceanography: Methods, 2014, 12, 63-73.	2.0	38

#	Article	IF	Citations
19	Recycling and burial of organic carbon in sediments of the Porcupine Abyssal Plain, NE Atlantic. Deep-Sea Research Part I: Oceanographic Research Papers, 2004, 51, 777-791.	1.4	34
20	A new approach to model oxygen dependent benthic phosphate fluxes in the Baltic Sea. Journal of Marine Systems, 2015, 144, 127-141.	2.1	33
21	Effects of simulated natural and massive resuspension on benthic oxygen, nutrient and dissolved inorganic carbon fluxes in Loch Creran, Scotland. Journal of Sea Research, 2012, 72, 38-48.	1.6	26
22	Benthic fluxes of oxygen and inorganic nutrients in the archipelago of Gulf of Finland, Baltic Sea â€“ Effects of sediment resuspension measured in situ. Journal of Sea Research, 2018, 135, 95-106.	1.6	23
23	Elevated sedimentary removal of Fe, Mn, and trace elements following a transient oxygenation event in the Eastern Gotland Basin, central Baltic Sea. Geochimica Et Cosmochimica Acta, 2020, 271, 16-32.	3.9	23
24	Organic carbon recycling in Baltic Sea sediments â€“ An integrated estimate on the system scale based on in situ measurements. Marine Chemistry, 2019, 209, 81-93.	2.3	22
25	Effects of oxygen on recycling of biogenic elements from sediments of a stratified coastal Baltic Sea basin. Journal of Marine Systems, 2016, 154, 206-219.	2.1	20
26	Continuous long-term observations of the carbonate system dynamics in the water column of a temperate fjord. Journal of Marine Systems, 2015, 148, 272-284.	2.1	19
27	In situ incubations with the Gothenburg benthic chamber landers: Applications and quality control. Journal of Marine Systems, 2021, 214, 103475.	2.1	18
28	Recycling and burial of phosphorus in sediments of an anoxic fjordâ€”the By Fjord, western Sweden. Journal of Marine Research, 2013, 71, 351-374.	0.3	13
29	Are benthic fluxes important for the availability of Si in the Gulf of Finland?. Journal of Marine Systems, 2017, 171, 89-100.	2.1	13
30	Multivariate experimental methodology applied to the calibration of a Clark type oxygen sensor. Analytica Chimica Acta, 1997, 355, 43-53.	5.4	12
31	Benthic fluxes and pore water distributions of dissolved free amino acids in the open Skagerrak. Marine Chemistry, 2000, 71, 53-68.	2.3	11
32	The EMSO-ERIC Pan-European Consortium: Data Benefits and Lessons Learned as the Legal Entity Forms. Marine Technology Society Journal, 2016, 50, 8-15.	0.4	10
33	Particle shuttling and oxidation capacity of sedimentary organic carbon on the Baltic Sea system scale. Marine Chemistry, 2021, 232, 103963.	2.3	7
34	Less metal fluxes than expected from fibrous marine sediments. Marine Pollution Bulletin, 2020, 150, 110750.	5.0	4