

# Anders Tengberg

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,406  
citations

394421

19  
h-index

414414

32  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1839  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of a lifetime <sup>13</sup> C-based optode to measure oxygen in aquatic systems. <i>Limnology and Oceanography: Methods</i> , 2006, 4, 7-17.	2.0	201
2	Fluxes of iron and manganese across the sediment-water interface under various redox conditions. <i>Marine Chemistry</i> , 2007, 107, 319-331.	2.3	169
3	An in situ instrument for planar O <sub>2</sub> optode measurements at benthic interfaces. <i>Limnology and Oceanography</i> , 2001, 46, 2073-2080.	3.1	109
4	Effects of resuspension on benthic fluxes of oxygen, nutrients, dissolved inorganic carbon, iron and manganese in the Gulf of Finland, Baltic Sea. <i>Continental Shelf Research</i> , 2009, 29, 807-818.	1.8	103
5	Time-resolved pH imaging in marine sediments with a luminescent planar optode. <i>Limnology and Oceanography: Methods</i> , 2006, 4, 336-345.	2.0	79
6	Distribution of oxygen in surface sediments from central Sagami Bay, Japan: In situ measurements by microelectrodes and planar optodes. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2005, 52, 1974-1987.	1.4	71
7	Mineralization and burial of organic carbon in sediments of the southern Weddell Sea (Antarctica). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1997, 44, 955-981.	1.4	58
8	Benthic nutrient fluxes on a basin-wide scale in the Skagerrak (North-Eastern North Sea). <i>Journal of Sea Research</i> , 1996, 35, 123-137.	1.6	52
9	Detection of CO <sub>2</sub> leakage from a simulated sub-seabed storage site using three different types of pCO <sub>2</sub> sensors. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 121-134.	4.6	51
10	Nitrogen cycling in deep-sea sediments of the Porcupine Abyssal Plain, NE Atlantic. <i>Progress in Oceanography</i> , 2004, 63, 159-181.	3.2	48
11	A simple sediment process description suitable for 3D-ecosystem modelling – Development and testing in the Gulf of Finland. <i>Journal of Marine Systems</i> , 2006, 61, 55-66.	2.1	45
12	Dissolved organic matter in abyssal sediments: Core recovery artifacts. <i>Limnology and Oceanography</i> , 2007, 52, 19-31.	3.1	44
13	Remineralization of organic carbon in eastern Canadian continental margin sediments. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2000, 47, 699-731.	1.4	43
14	Benthic Phosphorus Dynamics in the Gulf of Finland, Baltic Sea. <i>Aquatic Geochemistry</i> , 2012, 18, 543-564.	1.3	38
15	Performance of a lifetime <sup>13</sup> C-based optode for measuring partial pressure of carbon dioxide in natural waters. <i>Limnology and Oceanography: Methods</i> , 2014, 12, 63-73.	2.0	38
16	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.	1.4	34
17	Lake Metabolism: Comparison of Lake Metabolic Rates Estimated from a Diel CO <sub>2</sub> - and the Common Diel O <sub>2</sub> -Technique. <i>PLoS ONE</i> , 2016, 11, e0168393.	2.5	32
18	Effects of simulated natural and massive resuspension on benthic oxygen, nutrient and dissolved inorganic carbon fluxes in Loch Creran, Scotland. <i>Journal of Sea Research</i> , 2012, 72, 38-48.	1.6	26

#	ARTICLE	IF	CITATIONS
19	Precise continuous measurements of pelagic respiration in coastal waters with Oxygen Optodes. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 1-15.	2.0	25
20	Benthic fluxes of oxygen and inorganic nutrients in the archipelago of Gulf of Finland, Baltic Sea – Effects of sediment resuspension measured in situ. <i>Journal of Sea Research</i> , 2018, 135, 95-106.	1.6	23
21	Continuous long-term observations of the carbonate system dynamics in the water column of a temperate fjord. <i>Journal of Marine Systems</i> , 2015, 148, 272-284.	2.1	19
22	In situ incubations with the Gothenburg benthic chamber landers: Applications and quality control. <i>Journal of Marine Systems</i> , 2021, 214, 103475.	2.1	18
23	Observed carbon dioxide and oxygen dynamics in a Baltic Sea coastal region. <i>Journal of Marine Systems</i> , 2011, 86, 1-9.	2.1	15
24	Multivariate experimental methodology applied to the calibration of a Clark type oxygen sensor. <i>Analytica Chimica Acta</i> , 1997, 355, 43-53.	5.4	12
25	Spatial and Temporal Variability of Benthic Respiration in a Scottish Sea Loch Impacted by Fish Farming: A Combination of In Situ Techniques. <i>Aquatic Geochemistry</i> , 2012, 18, 515-541.	1.3	11
26	Metal contaminant fluxes across the sediment water interface. <i>Marine Pollution Bulletin</i> , 2016, 111, 321-329.	5.0	10
27	The use of novel optode sensor technologies for monitoring dissolved carbon dioxide and ammonia concentrations under live haul conditions. <i>Aquacultural Engineering</i> , 2017, 77, 89-96.	3.1	9
28	Improved accuracy of optode-based oxygen consumption measurements by removal of system drift and nonlinear derivation. <i>Limnology and Oceanography: Methods</i> , 2019, 17, 179-189.	2.0	8
29	Particle shuttling and oxidation capacity of sedimentary organic carbon on the Baltic Sea system scale. <i>Marine Chemistry</i> , 2021, 232, 103963.	2.3	7
30	Field evaluation of a low-powered, profiling CO <sub>2</sub> system in coastal Washington. <i>Limnology and Oceanography: Methods</i> , 2020, 18, 280-296.	2.0	4
31	Norwegian Sea net community production estimated from O <sub>2</sub> and prototype CO <sub>2</sub> optode measurements on a Seaglider. <i>Ocean Science</i> , 2021, 17, 593-614.	3.4	3
32	Free vehicle modular bottom-lander technology for biogeochemical in situ studies. <i>Gff</i> , 1996, 118, 125-126.	1.2	1
33	Sustainable management of oil polluting wrecks and chemical munitions dump sites. , 2017, , .		0