

# Thomas B Valdemarsen

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,835  
citations

304743

22  
h-index

361022

35  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1910  
citing authors

#	ARTICLE	IF	CITATIONS
1	What is bioturbation? The need for a precise definition for fauna in aquatic sciences. <i>Marine Ecology - Progress Series</i> , 2012, 446, 285-302.	1.9	640
2	Influence of benthic macrofauna community shifts on ecosystem functioning in shallow estuaries. <i>Frontiers in Marine Science</i> , 2014, 1, .	2.5	94
3	Burial of seeds and seedlings by the lugworm <i>Arenicola marina</i> hampers eelgrass ( <i>Zostera marina</i> ) recovery. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 410, 45-52.	1.5	87
4	Vulnerability of <i>Zostera marina</i> seedlings to physical stress. <i>Marine Ecology - Progress Series</i> , 2010, 418, 119-130.	1.9	77
5	Metabolic threshold and sulfide-buffering in diffusion controlled marine sediments impacted by continuous organic enrichment. <i>Biogeochemistry</i> , 2009, 95, 335-353.	3.5	69
6	Experimental manipulation of sediment organic content and water column aeration reduces <i>Zostera marina</i> (eelgrass) growth and survival. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 373, 26-34.	1.5	67
7	Changes in benthic sediment conditions under an Atlantic salmon farm at a deep, well-flushed coastal site. <i>Aquaculture Environment Interactions</i> , 2014, 5, 29-47.	1.8	63
8	Sulfur, carbon, and nitrogen cycling in faunated marine sediments impacted by repeated organic enrichment. <i>Marine Ecology - Progress Series</i> , 2010, 400, 37-53.	1.9	59
9	Effect of temperature on biogeochemistry of marine organic-enriched systems: implications in a global warming scenario. , 2011, 21, 2664-2677.		48
10	Biogeochemical malfunctioning in sediments beneath a deep-water fish farm. <i>Environmental Pollution</i> , 2012, 170, 15-25.	7.5	47
11	Impact of the invasive polychaete <i>Marenzelleria viridis</i> on the biogeochemistry of sandy marine sediments. <i>Biogeochemistry</i> , 2013, 115, 95-109.	3.5	41
12	Degradation of dissolved organic monomers and short-chain fatty acids in sandy marine sediment by fermentation and sulfate reduction. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1593-1605.	3.9	40
13	Resuspension created by bedload transport of macroalgae: implications for ecosystem functioning. <i>Hydrobiologia</i> , 2010, 649, 69-76.	2.0	37
14	Trophic discrimination of stable isotopes and potential food source partitioning by leaf-eating crabs in mangrove environments. <i>Limnology and Oceanography</i> , 2017, 62, 2097-2112.	3.1	35
15	Recovery of organic-enriched sediments through microbial degradation: implications for eutrophic estuaries. <i>Marine Ecology - Progress Series</i> , 2014, 503, 41-58.	1.9	35
16	Carbon mineralization pathways and bioturbation in coastal Brazilian sediments. <i>Scientific Reports</i> , 2015, 5, 16122.	3.3	34
17	Impact of deep-water fish farms on benthic macrofauna communities under different hydrodynamic conditions. <i>Marine Pollution Bulletin</i> , 2015, 101, 776-783.	5.0	32
18	Macrobenthic community response to the <i>Marenzelleria viridis</i> (Polychaeta) invasion of a Danish estuary. <i>Marine Ecology - Progress Series</i> , 2012, 461, 83-94.	1.9	31

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19	Organic N and P in eutrophic fjord sediments – rates of mineralization and consequences for internal nutrient loading. <i>Biogeosciences</i> , 2015, 12, 1765-1779.	3.3	30
20	Influence of benthic macroinvertebrates on the erodability of estuarine cohesive sediments: Density- and biomass-specific responses. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 134, 80-87.	2.1	29
21	Effects of temperature and organic pollution on nutrient cycling in marine sediments. <i>Biogeosciences</i> , 2015, 12, 4565-4575.	3.3	29
22	Impact of lugworms ( <i>Arenicola marina</i> ) on mobilization and transport of fine particles and organic matter in marine sediments. <i>Journal of Sea Research</i> , 2013, 76, 31-38.	1.6	26
23	Effects of coastal upwelling on the structure of macrofaunal communities in SE Brazil. <i>Journal of Marine Systems</i> , 2015, 143, 120-129.	2.1	25
24	Using a GIS-tool to evaluate potential eelgrass reestablishment in estuaries. <i>Ecological Modelling</i> , 2016, 338, 122-134.	2.5	23
25	Diffusion scale dependent change in anaerobic carbon and nitrogen mineralization: True effect or experimental artifact?. <i>Journal of Marine Research</i> , 2005, 63, 645-669.	0.3	17
26	Responses of an Agricultural Soil Microbiome to Flooding with Seawater after Managed Coastal Realignment. <i>Microorganisms</i> , 2018, 6, 12.	3.6	16
27	Benthic macrofauna bioturbation and early colonization in newly flooded coastal habitats. <i>PLoS ONE</i> , 2018, 13, e0196097.	2.5	16
28	A new marine measure enhancing <i>Zostera marina</i> seed germination and seedling survival. <i>Ecological Engineering</i> , 2017, 104, 131-140.	3.6	14
29	Carbon degradation in agricultural soils flooded with seawater after managed coastal realignment. <i>Biogeosciences</i> , 2017, 14, 4375-4389.	3.3	14
30	Mixed-habitat assimilation of organic waste in coastal environments – It's all about synergy!. <i>Science of the Total Environment</i> , 2020, 699, 134281.	8.0	14
31	Assessing methods for restoring seagrass ( <i>Zostera muelleri</i> ) in Australia's subtropical waters. <i>Marine and Freshwater Research</i> , 2020, 71, 996.	1.3	14
32	Carbon oxidation and bioirrigation in sediments along a Skagerrak-Kattegat-Belt Sea depth transect. <i>Marine Ecology - Progress Series</i> , 2018, 604, 33-50.	1.9	13
33	Nitrogen and Phosphorus Export After Flooding of Agricultural Land by Coastal Managed Realignment. <i>Estuaries and Coasts</i> , 2021, 44, 657-671.	2.2	8
34	Stable C and N Isotope Composition of Primary Producers and Consumers Along an Estuarine Salinity Gradient: Tracing Mixing Patterns and Trophic Discrimination. <i>Estuaries and Coasts</i> , 2019, 42, 144-156.	2.2	5
35	Fertilizer-derived N in opportunistic macroalgae after flooding of agricultural land. <i>Marine Ecology - Progress Series</i> , 2019, 616, 37-49.	1.9	4
36	Internal Nutrient Loading Controls Macroalgal and Cyanobacterial Succession in a Coastal Lagoon Restored by Managed Realignment of Agricultural Land. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	2