

Dick van Oevelen

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,334
citations

361413

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434195

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docs citations

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2203
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Identification of tolerance levels on the cold-water coral <i>Desmophyllum pertusum</i> (<i>Lophelia pertusa</i>) from realistic exposure conditions to suspended bentonite, barite and drill cutting particles. PLoS ONE, 2022, 17, e0263061. | 2.5 | 4 |
| 2 | An Integrative Model of Carbon and Nitrogen Metabolism in a Common Deep-Sea Sponge (<i>Geodia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 2.5 | 15 |
| 3 | Reef communities associated with "dead" cold-water coral framework drive resource retention and recycling in the deep sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 175, 103574. | 1.4 | 18 |
| 4 | Feedbacks between hydrodynamics and cold-water coral mound development. Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 178, 103641. | 1.4 | 10 |
| 5 | Linking large-scale circulation patterns to the distribution of cold water corals along the eastern Rockall Bank (northeast Atlantic). Journal of Marine Systems, 2020, 212, 103456. | 2.1 | 7 |
| 6 | Assessing the environmental status of selected North Atlantic deep-sea ecosystems. Ecological Indicators, 2020, 119, 106624. | 6.3 | 23 |
| 7 | Heterotrophy in the earliest gut: a single-cell view of heterotrophic carbon and nitrogen assimilation in sponge-microbe symbioses. ISME Journal, 2020, 14, 2554-2567. | 9.8 | 72 |
| 8 | The BenBioDen database, a global database for meio-, macro- and megabenthic biomass and densities. Scientific Data, 2020, 7, 206. | 5.3 | 18 |
| 9 | Spatial Self-Organization as a New Perspective on Cold-Water Coral Mound Development. Frontiers in Marine Science, 2020, 7, . | 2.5 | 13 |
| 10 | Recycling pathways in cold-water coral reefs: Use of dissolved organic matter and bacteria by key suspension feeding taxa. Scientific Reports, 2020, 10, 9942. | 3.3 | 30 |
| 11 | Climate-induced changes in the suitable habitat of cold-water corals and commercially important deep-sea fishes in the North Atlantic. Global Change Biology, 2020, 26, 2181-2202. | 9.5 | 109 |
| 12 | Seasonal controls on the diet, metabolic activity, tissue reserves and growth of the cold-water coral <i>Lophelia pertusa</i> . Coral Reefs, 2020, 39, 173-187. | 2.2 | 31 |
| 13 | Dark CO ₂ fixation into phospholipid-derived fatty acids by the cold-water coral associated sponge <i>Hymedesmia</i> (<i>Stylopus</i>) <i>coriacea</i> (Tisler Reef, NE Skagerrak). Marine Biology Research, 2020, 16, 1-17. | 0.7 | 11 |
| 14 | Survival under conditions of variable food availability: Resource utilization and storage in the cold-water coral <i>Lophelia pertusa</i> . Limnology and Oceanography, 2019, 64, 1651-1671. | 3.1 | 36 |
| 15 | Benthic Oxygen and Nitrogen Exchange on a Cold-Water Coral Reef in the North-East Atlantic Ocean. Frontiers in Marine Science, 2019, 6, . | 2.5 | 28 |
| 16 | Cabled ocean observatory data reveal food supply mechanisms to a cold-water coral reef. Progress in Oceanography, 2019, 172, 51-64. | 3.2 | 28 |
| 17 | Trophic structure of cold-water coral communities revealed from the analysis of tissue isotopes and fatty acid composition. Marine Biology Research, 2018, 14, 287-306. | 0.7 | 13 |
| 18 | Niche overlap between a cold-water coral and an associated sponge for isotopically-enriched particulate food sources. PLoS ONE, 2018, 13, e0194659. | 2.5 | 9 |

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|----|--|------|-----------|
| 19 | Resilience of benthic deep-sea fauna to mining activities. <i>Marine Environmental Research</i> , 2017, 129, 76-101. | 2.5 | 258 |
| 20 | Differential recycling of coral and algal dissolved organic matter via the sponge loop. <i>Functional Ecology</i> , 2017, 31, 778-789. | 3.6 | 107 |
| 21 | Food selectivity and processing by the cold-water coral <i>Lophelia pertusa</i> . <i>Biogeosciences</i> , 2016, 13, 5789-5798. | 3.3 | 20 |
| 22 | Coral mucus fuels the sponge loop in warm- and cold-water coral reef ecosystems. <i>Scientific Reports</i> , 2016, 6, 18715. | 3.3 | 145 |
| 23 | Ecosystem engineering creates a direct nutritional link between 600-m deep cold-water coral mounds and surface productivity. <i>Scientific Reports</i> , 2016, 6, 35057. | 3.3 | 62 |
| 24 | Discovery of symbiotic nitrogen fixation and chemoautotrophy in cold-water corals. <i>Scientific Reports</i> , 2016, 5, 17962. | 3.3 | 65 |
| 25 | Direct Visualization of Mucus Production by the Cold-Water Coral <i>Lophelia pertusa</i> with Digital Holographic Microscopy. <i>PLoS ONE</i> , 2016, 11, e0146766. | 2.5 | 29 |
| 26 | Cold-water coral reefs and adjacent sponge grounds: hotspots of benthic respiration and organic carbon cycling in the deep sea. <i>Frontiers in Marine Science</i> , 2015, 2, . | 2.5 | 142 |
| 27 | Surviving in a Marine Desert: The Sponge Loop Retains Resources Within Coral Reefs. <i>Science</i> , 2013, 342, 108-110. | 12.6 | 656 |
| 28 | The Symbiosis between <i>Lophelia pertusa</i> and <i>Eunice norvegica</i> Stimulates Coral Calcification and Worm Assimilation. <i>PLoS ONE</i> , 2013, 8, e58660. | 2.5 | 39 |
| 29 | Carbon flows in the benthic food web of the Porcupine Abyssal Plain: The (un)importance of labile detritus in supporting microbial and faunal carbon demands. <i>Limnology and Oceanography</i> , 2012, 57, 645-664. | 3.1 | 43 |
| 30 | The influence of flow velocity and food concentration on <i>Lophelia pertusa</i> (Scleractinia) zooplankton capture rates. <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 395, 55-62. | 1.5 | 112 |
| 31 | The cold-water coral community as hotspot of carbon cycling on continental margins: A food web analysis from Rockall Bank (northeast Atlantic). <i>Limnology and Oceanography</i> , 2009, 54, 1829-1844. | 3.1 | 179 |