# Mads S Thomsen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9382394/publications.pdf

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| 79 | 7,625 | 109311 | 85537 |
|---|---|---|---|
| papers | citations | 35 h-index | 71 g-index |

| 81 | 81 | 81 | 6470 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Climate-driven regime shift of a temperate marine ecosystem. Science, 2016, 353, 169-172. | 12.6 | 951 |
| 2 | An extreme climatic event alters marine ecosystem structure in a global biodiversity hotspot. Nature Climate Change, 2013, 3, 78-82. | 18.8 | 925 |
| 3 | Marine heatwaves threaten global biodiversity and the provision of ecosystem services. Nature Climate Change, 2019, 9, 306-312. | 18.8 | 883 |
| 4 | Categorizing and Naming Marine Heatwaves. Oceanography, 2018, 31, . | 1.0 | 368 |
| 5 | A decade of climate change experiments on marine organisms: procedures, patterns and problems. Global Change Biology, 2012, 18, 1491-1498. | 9.5 | 355 |
| 6 | Projected Marine Heatwaves in the 21st Century and the Potential for Ecological Impact. Frontiers in Marine Science, 2019, 6, . | 2.5 | 300 |
| 7 | Seaweed Communities in Retreat from Ocean Warming. Current Biology, 2011, 21, 1828-1832. | 3.9 | 297 |
| 8 | Decreasing resilience of kelp beds along a latitudinal temperature gradient: potential implications for a warmer future. Ecology Letters, 2010, 13, 685-694. | 6.4 | 282 |
| 9 | Habitat Cascades: The Conceptual Context and Global Relevance of Facilitation Cascades via Habitat Formation and Modification. Integrative and Comparative Biology, 2010, 50, 158-175. | 2.0 | 216 |
| 10 | Local Extinction of Bull Kelp (Durvillaea spp.) Due to a Marine Heatwave. Frontiers in Marine Science, 2019, 6, . | 2.5 | 177 |
| 11 | Drivers and impacts of the most extreme marine heatwave events. Scientific Reports, 2020, 10, 19359. | 3.3 | 155 |
| 12 | Genetic diversity and kelp forest vulnerability to climatic stress. Scientific Reports, 2018, 8, 1851. | 3.3 | 138 |
| 13 | Distribution models predict large contractions of habitatâ€forming seaweeds in response to ocean warming. Diversity and Distributions, 2018, 24, 1350-1366. | 4.1 | 129 |
| 14 | Socioeconomic impacts of marine heatwaves: Global issues and opportunities. Science, 2021, 374, eabj3593. | 12.6 | 115 |
| 15 | EVIDENCE FOR IMPACTS OF NONINDIGENOUS MACROALGAE: A METAâ€ANALYSIS OF EXPERIMENTAL FIELD STUDIES<sup>1</sup>. Journal of Phycology, 2009, 45, 812-819. | 2.3 | 100 |
| 16 | An invasive foundation species enhances multifunctionality in a coastal ecosystem. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8580-8585. | 7.1 | 99 |
| 17 | Resistance, Extinction, and Everything in Between â€“ The Diverse Responses of Seaweeds to Marine Heatwaves. Frontiers in Marine Science, 2019, 6, . | 2.5 | 98 |
| 18 | A Meta-Analysis of Seaweed Impacts on Seagrasses: Generalities and Knowledge Gaps. PLoS ONE, 2012, 7, e28595. | 2.5 | 93 |

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|---|---|---|---|
| 19 | Biogenic habitat structure of seaweeds change along a latitudinal gradient in ocean temperature. Journal of Experimental Marine Biology and Ecology, 2011, 400, 264-271. | 1.5 | 87 |
| 20 | Secondary foundation species enhance biodiversity. Nature Ecology and Evolution, 2018, 2, 634-639. | 7.8 | 85 |
| 21 | Experimental evidence for positive effects of invasive seaweed on native invertebrates via habitat-formation in a seagrass bed. Aquatic Invasions, 2010, 5, 341-346. | 1.6 | 85 |
| 22 | A framework to study the context-dependent impacts of marine invasions. Journal of Experimental Marine Biology and Ecology, 2011, 400, 322-327. | 1.5 | 79 |
| 23 | Macroalgal distribution patterns in a shallow, soft-bottom lagoon, with emphasis on the nonnativeGracilaria vermiculophylla andCodium fragile. Estuaries and Coasts, 2006, 29, 465-473. | 2.2 | 77 |
| 24 | GRACILARIA VERMICULOPHYLLA (RHODOPHYTA, GRACILARIALES) IN HOG ISLAND BAY, VIRGINIA: A CRYPTIC ALIEN AND INVASIVE MACROALGA AND TAXONOMIC CORRECTION1. Journal of Phycology, 2006, 42, 139-141. | 2.3 | 76 |
| 25 | A broad framework to organize and compare ecological invasion impacts. Environmental Research, 2011, 111, 899-908. | 7.5 | 74 |
| 26 | Epibiota communities of the introduced and indigenous macroalgal relatives Sargassum muticum and Halidrys siliquosa in Limfjorden (Denmark). Helgoland Marine Research, 2004, 58, 154-161. | 1.3 | 70 |
| 27 | A review of three decades of research on the invasive kelp Undaria pinnatifida in Australasia: An assessment of its success, impacts and status as one of the world's worst invaders. Marine Environmental Research, 2017, 131, 243-257. | 2.5 | 67 |
| 28 | Flora and fauna associated with the introduced red algaGracilaria vermiculophylla. European Journal of Phycology, 2009, 44, 395-403. | 2.0 | 64 |
| 29 | Effects of the invasive macroalgae Gracilaria vermiculophylla on two co-occurring foundation species and associated invertebrates. Aquatic Invasions, 2013, 8, 133-145. | 1.6 | 61 |
| 30 | Australia's marine biogeography revisited: Back to the future?. Austral Ecology, 2010, 35, 988-992. | 1.5 | 60 |
| 31 | Gracilaria vermiculophylla (Ohmi) Papenfuss, 1967 (Rhodophyta, Gracilariaceae) in northern Europe, with emphasis on Danish conditions, and what to expect in the future. Aquatic Invasions, 2007, 2, 83-94. | 1.6 | 57 |
| 32 | An invasive species erodes the performance of coastal wetland protected areas. Science Advances, 2021, 7, eabi8943. | 10.3 | 45 |
| 33 | Habitat structure affect abundances of labrid fishes across temperate reefs in south-western Australia. Environmental Biology of Fishes, 2009, 86, 311-319. | 1.0 | 44 |
| 34 | Miniview: What affects the forces required to break or dislodge macroalgae?. European Journal of Phycology, 2005, 40, 139-148. | 2.0 | 41 |
| 35 | The Footprint of Continental-Scale Ocean Currents on the Biogeography of Seaweeds. PLoS ONE, 2013, 8, e80168. | 2.5 | 39 |
| 36 | Transient effects of an invasive kelp on the community structure and primary productivity of an intertidal assemblage. Marine and Freshwater Research, 2016, 67, 103. | 1.3 | 38 |

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|---|---|---|---|
| 37 | Negative effects of stress-resistant drift algae and high temperature on a small ephemeral seagrass species. Marine Biology, 2011, 158, 297-309. | 1.5 | 37 |
| 38 | Forty years of experiments on aquatic invasive species: are study biases limiting our understanding of impacts?. NeoBiota, 0, 22, 1-22. | 1.0 | 37 |
| 39 | The KaikÅ¥ura earthquake in southern New Zealand: Loss of connectivity of marine communities and the necessity of a crossâ€ecosystem perspective. Aquatic Conservation: Marine and Freshwater Ecosystems, 2019, 29, 1520-1534. | 2.0 | 36 |
| 40 | Temperature- and light-dependent growth and metabolism of the invasive red algaeGracilaria vermiculophyllaâ€“ a comparison with two native macroalgae. European Journal of Phycology, 2013, 48, 295-308. | 2.0 | 35 |
| 41 | Species, thallus size and substrate determine macroalgal break force and break location in a low-energy soft-bottom lagoon. Aquatic Botany, 2004, 80, 153-161. | 1.6 | 34 |
| 42 | Unparalleled coupled ocean-atmosphere summer heatwaves in the New Zealand region: drivers, mechanisms and impacts. Climatic Change, 2020, 162, 485-506. | 3.6 | 34 |
| 43 | To include or not to include (the invader in community analyses)? That is the question. Biological Invasions, 2016, 18, 1515-1521. | 2.4 | 33 |
| 44 | Non-native Seaweeds Drive Changes in Marine Coastal Communities Around the World. , 2016, , 147-185. | | 32 |
| 45 | The ecological role of invading Undaria pinnatifida: an experimental test of the driverâ€“passenger models. Marine Biology, 2016, 163, 1. | 1.5 | 31 |
| 46 | Facilitation Cascades in Marine Ecosystems: A Synthesis and Future Directions. , 2019, , 127-168. | | 29 |
| 47 | Communities and Attachment Networks Associated with Primary, Secondary and Alternative Foundation Species; A Case Study of Stressed and Disturbed Stands of Southern Bull Kelp. Diversity, 2019, 11, 56. | 1.7 | 28 |
| 48 | Harmful algae are not harmful to everyone. Harmful Algae, 2012, 16, 74-80. | 4.8 | 26 |
| 49 | Extreme summer marine heatwaves increase chlorophyll a in the Southern Ocean. Antarctic Science, 2020, 32, 508-509. | 0.9 | 25 |
| 50 | Loss of Giant Kelp, Macrocystis pyrifera, Driven by Marine Heatwaves and Exacerbated by Poor Water Clarity in New Zealand. Frontiers in Marine Science, 2021, 8, . | 2.5 | 25 |
| 51 | Assemblage and understory carbon production of native and invasive canopy-forming macroalgae. Journal of Experimental Marine Biology and Ecology, 2015, 469, 10-17. | 1.5 | 24 |
| 52 | A sixthâ€level habitat cascade increases biodiversity in an intertidal estuary. Ecology and Evolution, 2016, 6, 8291-8303. | 1.9 | 23 |
| 53 | A host-specific habitat former controls biodiversity across ecological transitions in a rocky intertidal facilitation cascade. Marine and Freshwater Research, 2016, 67, 144. | 1.3 | 21 |
| 54 | Heterogeneity within and among co-occurring foundation species increases biodiversity. Nature Communications, 2022, 13, 581. | 12.8 | 21 |

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|---|---|---|---|
| 55 | The Dynamic Biogeography of the Anthropocene: The Speed of Recent Range Shifts in Seaweeds. , 2016, , 63-93. | | 20 |
| 56 | Cascading impacts of earthquakes and extreme heatwaves have destroyed populations of an iconic marine foundation species. Diversity and Distributions, 2021, 27, 2369-2383. | 4.1 | 19 |
| 57 | Complex plantâ€“herbivoreâ€“predator interactions in a brackish water seaweed habitat. Journal of Experimental Marine Biology and Ecology, 2013, 449, 51-56. | 1.5 | 16 |
| 58 | Indiscriminate data aggregation in ecological meta-analysis underestimates impacts of invasive species. Nature Ecology and Evolution, 2020, 4, 312-314. | 7.8 | 15 |
| 59 | Turban snails as habitat for foliose algae: contrasting geographical patterns in species richness. Marine and Freshwater Research, 2010, 61, 1237. | 1.3 | 15 |
| 60 | Unravelling seasonal trends in coastal marine heatwave metrics across global biogeographical realms. Scientific Reports, 2022, 12, 7740. | 3.3 | 15 |
| 61 | Another Decade of Marine Climate Change Experiments: Trends, Progress and Knowledge Gaps. Frontiers in Marine Science, 2021, 8, . | 2.5 | 14 |
| 62 | Large-scale facilitation of a sessile community by an invasive habitat-forming snail. Helgoland Marine Research, 2013, 67, 789-794. | 1.3 | 13 |
| 63 | Modified kelp seasonality and invertebrate diversity where an invasive kelp co-occurs with native mussels. Marine Biology, 2018, 165, 1. | 1.5 | 12 |
| 64 | On the generality of cascading habitat-formation. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20131994. | 2.6 | 11 |
| 65 | Effects of local anthropogenic stressors on a habitat cascade in an estuarine seagrass system. Marine and Freshwater Research, 2019, 70, 1129. | 1.3 | 11 |
| 66 | Interactive effects of co-occurring anthropogenic stressors on the seagrass, Zostera noltei. Ecological Indicators, 2020, 109, 105780. | 6.3 | 11 |
| 67 | Earthquake-driven destruction of an intertidal habitat cascade. Aquatic Botany, 2020, 164, 103217. | 1.6 | 11 |
| 68 | Cataclysmic Disturbances to an Intertidal Ecosystem: Loss of Ecological Infrastructure Slows Recovery of Biogenic Habitats and Diversity. Frontiers in Ecology and Evolution, 2021, 9, . | 2.2 | 10 |
| 69 | Invasions by non-indigenous species. , 0, , 274-332. | | 8 |
| 70 | The devil in the detail: harmful seaweeds are not harmful to everyone. Global Change Biology, 2015, 21, 1381-1382. | 9.5 | 8 |
| 71 | A seaweed increases ecosystem multifunctionality when invading bare mudflats. Biological Invasions, 2019, 21, 27-36. | 2.4 | 8 |
| 72 | Epibiont-Marine Macrophyte Assemblages. , 2016, , 43-65. | | 8 |

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|---|---|---|---|
| 73 | Diversity and abundance of epibiota on invasive and native estuarine gastropods depend on substratum and salinity. Marine and Freshwater Research, 2015, 66, 1191. | 1.3 | 7 |
| 74 | Habitat provided by native species facilitates higher abundances of an invader in its introduced compared to native range. Scientific Reports, 2020, 10, 6385. | 3.3 | 7 |
| 75 | Misconceptions about analyses of Australian seaweed collections. Phycologia, 2014, 53, 215-220. | 1.4 | 6 |
| 76 | Marine Biodiversity and Climate Change. , 2014, , 181-187. | | 6 |
| 77 | Shared patterns of species turnover between seaweeds and seed plants break down at increasing distances from the sea. Ecology and Evolution, 2014, 4, 27-34. | 1.9 | 4 |
| 78 | Threats to Ecosystem Engineering Macrophytes: Climate Change. , 2016, , 201-218. | | 3 |
| 79 | Ecological Interactions between Marine Plants and Alien Species. , 2016, , 226-249. | | 3 |