

Publications

Date compiled	5/01/2026
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2025

1. Bignell, C.J., Patterson, T.A., Donovan, A. *et al.* (2025) Satellite tracking reveals sex-specific differences in the geographical and vertical habitat use of Whale sharks, *Rhincodon typus*, in the Eastern Indian ocean. *Mar Biol* 172, 105 (2025). <https://doi.org/10.1007/s00227-025-04616-5>
2. Birt, M.J., Wilson, S., Sahin, D. *et al.* Taxonomic, trophic and functional change of fishes on oceanic coral reefs with contrasting coral disturbance histories. *Coral Reefs* (2025). <https://doi.org/10.1007/s00338-025-02761-3>
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4. D'Antonio, B., Ferrerira, L.C., Fisher, R., Thums, M., Pattiaratchi, C.B., Sequeira, A.M., Faubel, C., Reynolds, S., Norman, B., Meekan, M. (2025) Natural and Artificial Structures Influence the Movement and Habitat Connectivity of Whale Sharks (*Rhincodon typus*) Across Seascapes. *Diversity and Distribution*. Volume 31. <https://doi.org/10.1111/ddi.13950>
5. Gavrilov, A., Sidenko, E., McCauley, R.D., Browne, C.E., Erbe, C., 2025. Source levels of Western Australian Omura's whale (*Balaenoptera omurai*) sound. *J. Acoust. Soc. Am.* 157, 4196–4202 (2025). <https://doi.org/10.1121/10.0036847>
6. Gomez Isaza, D.F., Jones, R., Wilson, P., Pendoley, K., Fossette, S., Thums, M., (2025). The effect of artificial light at night on sea turtle hatchling early dispersal: A systematic review of methods, impacts and findings. *Biological Conservation*. Volume 309, 2025, 111327, ISSN 0006-3207, <https://doi.org/10.1016/j.biocon.2025.111327>.
7. Marshall, B.T., Russell, S.R., Florisson, J.H., Saunders, B.J., Newman, S.J., Harvey, E.S., (2025) The influence of artificial reef structural complexity on fish assemblage composition,

Marine Environmental Research, Volume 208, 2025, 107103, ISSN 0141-1136,
<https://doi.org/10.1016/j.marenvres.2025.107103>.

8. Moustaka, M., Wilson, S.K., Fulton, C.J. et al. Hydrodynamic conditions and habitat configuration structure juvenile fish assemblages across a tropical seascape. *Landsc Ecol* 40, 73 (2025). <https://doi.org/10.1007/s10980-025-02084-2>
9. Nguyen Hong Duc P, Erbe C, Madhusudhana S, Wilkes D, Gill L, Tollefsen C, de Bruin N, Erbeking A, Jenner C, Jenner M, Recalde-Salas A, Salgado Kent CP, Srivastava K, Wei C and McCauley R (2025) Non-stereotypy (to species) in mysticete downsweeps. *Front. Remote Sens.* 6:1539618. doi: 10.3389/frsen.2025.1539618
10. Oh, D., Cresswell, A., Thomson, D.P., Renton, M., (2025) Morphological composition influences redundancy, complementarity, and ecological relevance of habitat complexity metrics in simulated coral communities. *Ecology and Evolution*.
<https://doi.org/10.1002/ece3.72077>
11. Richards, Z.T., Buckee, J., Hoschke, A. and Whisson, G., 2025. Sessile Benthic Marine Invertebrate Biodiversity at Ningaloo Reef, Muiron Islands, and Exmouth Gulf, Western Australia: A Review and Gap Analysis. *Diversity (14242818)*, 17(9).
<https://doi.org/10.3390/d17090597>
12. Thums, M., Ferreira, L.C., Davenport, A., Jenner, M., Möller, L., Russell, G., McCauley, R.D., Jenner, C., (2025) Tracking pygmy blue whale diving behaviour and validation of foraging areas defined from horizontal movement data. *Global Ecology and Conservation*. Volume 57, 2025, e03362, ISSN 2351-9894, <https://doi.org/10.1016/j.gecco.2024.e03362>.

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1. Avenant, C., Fossette, S., Whiting, S., & Hyndes, G. A. (2024). Predation rates on flatback turtle *Natator depressus* eggs and hatchlings at an island rookery. *Marine Biology*, 171(12), 228. <https://link.springer.com/content/pdf/10.1007/s00227-024-04548-6.pdf>
2. Avenant, C., Fossette, S., Whiting, S., Hopkins, A. J., & Hyndes, G. A. (2024). Sea Turtle Eggs and Hatchlings are a Seasonally Important Food Source for the Generalist Feeding Golden Ghost Crab (*Ocypode convexa*). *Estuaries and Coasts*, 47(3), 821-838. <https://link.springer.com/article/10.1007/s12237-023-01309-4>
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5. Barile, C., Berrow, S., & O'Brien, J. (2024). Click-click, who's there? Acoustically derived estimates of sperm whale size distribution off western Ireland. *Frontiers in Marine Science*, 10, 1264783. <https://www.frontiersin.org/journals/marine-science/articles/10.3389/fmars.2023.1264783/full>
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7. Cresswell, A. K., Renton, M., Langlois, T. J., Thomson, D. P., Lynn, J., & Claudet, J. (2024). Coral reef state influences resilience to acute climate-mediated disturbances. *Global Ecology and Biogeography*, 33(1), 4-16. <https://onlinelibrary.wiley.com/doi/pdf/10.1111/geb.13771>
8. Debens, H. A., McCorry, D., Sidenko, E., Erbe, C., Collet, O., Pevzner, R., & Gurevich, B. (2024). Whale detection and microseismic monitoring via DAS using submarine telecommunications cables—a case study from the NWS, Western Australia. *Australian Energy Producers Journal*, 64(2), S481-S486. <https://www.publish.csiro.au/ep/pdf/EP23268>

9. Ferreira, L. C., Jenner, C., Jenner, M., Udyawer, V., Radford, B., Davenport, A., ... & Thums, M. (2024). Predicting suitable habitats for foraging and migration in Eastern Indian Ocean pygmy blue whales from satellite tracking data. *Movement Ecology*, 12(1), 42.
<https://link.springer.com/content/pdf/10.1186/s40462-024-00481-x.pdf>
10. Grimaldi, C. M., Faubel, C., Thomas, L., Sahin, A. D., Ryan, N. M., Rayson, M., ... & Gilmour, J. P. (2024). Local coral connections within an atoll reef system underlie reef resilience and persistence. *Limnology and Oceanography*.
<https://aslopubs.onlinelibrary.wiley.com/doi/full/10.1002/lno.12720>
11. Moustaka, M., Evans, R. D., Kendrick, G. A., Hyndes, G. A., Cuttler, M. V., Bassett, T. J., ... & Wilson, S. K. (2024). Local habitat composition and complexity outweigh seascape effects on fish distributions across a tropical seascape. *Landscape Ecology*, 39(2), 28.
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12. Moustaka, M., Bassett, T.J., Beltran, L. et al. Suspended Particulate Organic Matter Supports Mesopredatory Fish Across a Tropical Seascape. *Ecosystems* 27, 918–936 (2024). <https://doi.org/10.1007/s10021-024-00929-6>
13. Moustaka, M., Robbins, W.D., Wilson, S.K., Wakefield, C., Cuttler, M., O'Leary, M.J., Evans, R.D. (2024). Seascape effects on the nursery function of macroalgal habitats, *Marine Environmental Research*, Volume 202, 2024, 106767, ISSN 0141-1136.
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14. Oh, D., Cresswell, A.K., Thomson, D.P. & Renton, M. (2024) Do greater coral cover and morphological diversity increase habitat complexity? *Coral Reefs* s00338-024-02602-9, published 11 December 2024. [Do greater coral cover and morphological diversity increase habitat complexity? | Coral Reefs](https://doi.org/10.1007/s00338-024-02602-9)
15. Radford, B., Puotinen, M., Sahin, D., Boutros, N., Wyatt, M., & Gilmour, J. (2024) A remote sensing model for coral recruitment habitat. *Remote Sensing of Environment*, 311, 114231. <https://www.sciencedirect.com/science/article/abs/pii/S0034425724002499>
16. Richards, Z., Pichon, M., & Wallace, C. (2024). Biodiversity and biogeography of zooxanthellate corals in Australasia revisited based on new data from the Kimberley. *Records of the Western Australian Museum*, 85, 201-276.
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17. Sprogis, K. R., Sutton, A. L., Jenner, M. N. M., & Jenner, K. C. S. (2024). Spatiotemporal distribution of humpback whales off north-west Australia quantifying the Exmouth Gulf

nursery area. *Australian Journal of Zoology*, 72(5).

<https://www.publish.csiro.au/ZO/pdf/ZO24020>

18. Tebbett, S. B., Bellwood, D. R., Bassett, T., Cuttler, M. V., Moustaka, M., Wilson, S. K., ... & Evans, R. D. (2024). The limited role of herbivorous fishes and turf-based trophic pathways in the functioning of turbid coral reefs. *Reviews in Fish Biology and Fisheries*, 34(1), 439-460. <https://link.springer.com/article/10.1007/s11160-023-09823-1>
19. Thomas, L., Şahin, D., Adam, A. S., Grimaldi, C. M., Ryan, N. M., Duffy, S. L., ... & Gilmour, J. P. (2024). Resilience to periodic disturbances and the long-term genetic stability in *Acropora* coral. *Communications Biology*, 7(1), 410. <https://www.nature.com/articles/s42003-024-06100-0.pdf>
20. Thomson, D.P., Dee, S., Doropoulos, C., Orr, M., Wilson, S.K. & Hoey, A.S. (2024) High rates of erosion on a wave-exposed fringing coral reef. *Limnology and Oceanography* 12586, first published 14 May 2024. <https://aslopubs.onlinelibrary.wiley.com/doi/10.1002/lno.12586>

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1. Cresswell, A.K., Renton, M., Langlois, T.J., Thomson, D.P., Lynn, J. & Claudet, J. (2023) Global meta-analysis shows coral reef state influences resilience to acute climate-mediated disturbances. *Global Ecology and Biogeography* 2023; 00:1–13, first published 9 October 2023. [Coral reef state influences resilience to acute climate-mediated disturbances - Cresswell - 2024 - Global Ecology and Biogeography - Wiley Online Library](#)
2. Doane, M.P., Reed, M.B., McKerral, J., Farias Oliveira Lima, L., Morris, M., Goodman, A.Z., Johri, S., Papudeshi, B., Dillon, T., Turnlund, A.C., Peterson, M., Mora, M., de la Parra Venegas, R., Pillans, R., Rohner, C.A., Pierce, S.J., Legaspi, C.G., Araujo, G., Ramirez-Macias, D., Edwards, R.A. & Dinsdale, E.A. (2023) Emergent community architecture despite distinct diversity in the global whale shark (*Rhincodon typus*) epidermal microbiome. *Scientific Reports*, 13(1), 12747 [Emergent community architecture despite distinct diversity in the global whale shark \(Rhincodon typus\) epidermal microbiome | Scientific Reports](#)
3. Ferreira, L. C., Thums, M., Whiting, S., Meekan, M., Andrews-Goff, V., Attard, C. R., ... & Fossette, S. (2023). Exposure of marine megafauna to cumulative anthropogenic threats in north-west Australia. *Frontiers in Ecology and Evolution*, 11, 1229803. <https://www.frontiersin.org/journals/ecology-andevolution/articles/10.3389/fevo.2023.1229803/full>
4. Keesing, J. K., Mortimer, N., Hellmrich, L., Godoy, D., Babcock, R. C., Heyward, A., ... & Harvey, E. S. (2023). The short spined crown-of-thorns starfish *Acanthaster brevispinus* is a corallivore too. *Coral Reefs*, 42(2), 399-404. <https://link.springer.com/content/pdf/10.1007/s00338-023-02351-1.pdf>
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7. Melchers, R.E. & Tan, M.Y. (2023). Long-term corrosion of abandoned offshore steel infrastructure. *Corrosion Engineering, Science and Technology. The International Journal of Corrosion Processes and Corrosion Control*. Volume 58, Issue 8, pages 712-722. [Long-term corrosion of abandoned offshore steel infrastructure: Corrosion Engineering, Science and Technology: Vol 58, No 8](#)
8. Oluwoye, I., Machca, L.L., Higgins, S., Suh, S., Galloway, T.S., Halley, P., Tanaka, S. & Iannuzzi, M. (2023). Degradation and lifetime predictions of plastics in subsea and offshore infrastructure. *Science of the Total Environment* 904, 166719. [2-2-degradation-lifetime-prediction-subsea-plastics.pdf](#)
9. Tebbett, S.B., Bellwood, D.R., Bassett, T. et al. The limited role of herbivorous fishes and turf-based trophic pathways in the functioning of turbid coral reefs. *Rev Fish Biol Fisheries* 34, 439–460 (2024). <https://doi.org/10.1007/s11160-023-09823-1>
10. Travaglione, N., Evans, R., Moustaka, M., Cuttler, M., Thomson, D. P., Tweedley, J., & Wilson, S. (2023). Scleractinian corals rely on heterotrophy in highly turbid environments. *Coral Reefs*, 42(5), 997-1010. <https://link.springer.com/article/10.1007/s00338-023-02407-2>
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