

AIMS Annual Report 2022-2023

Special note: Due to increasing complexity in publication year attribution by journals resulting from various approaches to publication of pre-press articles, AIMS is adopting a policy of reporting papers on an annual basis of those papers which have been available for citation in that calendar year. Consequently, this list includes papers not reported in last year's Annual Report which had been publicly available without publication year but have since been updated to 2021 by the journal based on individual journal policy. A number of papers have 2023 publication years but were online and citable by their DOI in 2022.

2022 Publications

1. Abey Siri Wickrama Liyanaarachchige P.T., Fisher R., Thompson H., Menendez P., Gilmour J., McGree J.M. (2022) Adaptive monitoring of coral health at Scott Reef where data exhibit nonlinear and disturbed trends over time. *Ecology and Evolution*, 12, e9233.
2. Adam A.A.S., Thomas L., Underwood J., Gilmour J., Richards Z.T. (2022) Population connectivity and genetic offset in the spawning coral *Acropora digitifera* in Western Australia. *Molecular Ecology*, 31, 3533-3547.
3. Andrzejczek S. + 171 authors (incl. Ferreira, L. C., Meekan, M. G., Meyers, M. Thums, M) (2022) Diving into the vertical dimension of elasmobranch movement ecology. *Science Advances*, 8, eabo1754.
4. Arjunwadkar C.V., Tebbett S.B., Bellwood D.R., Bourne D.G., Smith H.A. (2022) Algal turf structure and composition vary with particulate loads on coral reefs. *Marine Pollution Bulletin*, 181, 934-940.
5. Ashok A., Høj L., Brinkman D.L., Negri A.P., Agusti S. (2022) Food-chain length determines the level of phenanthrene bioaccumulation in corals. *Environmental Pollution*, 297, 118789.
6. Aston C., Langlois T., Fisher R., Monk J., Gibbons B., Giraldo-Ospina A., Lawrence E., Keesing J., Lebrec U., Babcock R.C. (2022) Recreational Fishing Impacts in an Offshore and Deep-Water Marine Park: Examining Patterns in Fished Species Using Hybrid Frequentist Model Selection and Bayesian Inference. *Frontiers in Marine Science*, 9, 835096.
7. Aston E.A., Duce S., Hoey A.S., Ferrari R. (2022) A Protocol for Extracting Structural Metrics From 3D Reconstructions of Corals. *Frontiers in Marine Science*, 9, 854395.
8. Azoifeifa-Solano J.C., Atllan O., Pygas D., Brooker R.M. (2022) Evidence of corallivory in the urchin clingfish *Diademichthys lineatus*. *Marine Biodiversity*, 52, 53.
9. Baird, A.H., Edwards A. J., Guest J. R., Harii S., Hatta, M., Lachs L., Mera H., Sinniger F., Abrego D., Ben-Zvi O., Bronstein O., Cabaitan P. C., Cumbo V. R., Eyal G., Eyal-Shaham L., Feldman B., Figueiredo J., Flot J-F., Grinblat M., Heyward A., Hidaka M., Hirose M., Iguchi A., Isomura N., Kinzie R. A., Kitanobo S., Kuba A., Levy O., Loya Y., Mezaki T., Mohamed A.R., Morita M., Nojima S., Nozawa Y., Prasetya R., Puill-Stephan E., Ramirez-Portilla C., Rapuano H., Rosenberg Y., Sakai Y. Sakai K., Shlesinger T., Terraneo T. I., Yakovleva I., Yamamoto H. H., Yamazato, K. (2022) A coral spawning calendar of Sesoko Station, Okinawa, Japan. *Galaxea Journal of Coral Reef Studies*, 24, 41-49.
10. Bell J.J., Shaffer M., Luter H.M., Mana R., Rodolfo-Metalpa R. (2022) Phototrophic sponge productivity may not be enhanced in a high CO₂ world. *Global Change Biology*, 28, 4900-4911.
11. Benthuisen J.A., Emslie M.J., Currey-Randall L.M., Cheal A.J., Heupel M.R. (2022) Oceanographic influences on reef fish assemblages along the Great Barrier Reef. *Progress in Oceanography*, 208, 102901.
12. Besson, M., Feeney, W. E., Gache, C., O'Brien, D. A., Berthe, C., Cowan, Z-L., Brooker, R. M., Laudet, V., Lecchini, D. (2023) Anemone bleaching impacts the larval recruitment success of an anemone-associated fish. *Coral Reefs*, 42, 195-203.
13. Bond T., McLean D.M., Prince J., Taylor M.D., Partridge J.C. (2022) Baited remote underwater video sample less site attached fish species along a subsea pipeline compared to a remotely operated vehicle. *Marine and Freshwater Research*, 73, 915-930.
14. Bosch N.E., Monk J., Goetze J., Wilson S., Babcock R.C., Barrett N., Clough J., Currey-Randall L.M., Fairclough D.V., Fisher R., Gibbons B.A., Harasti D., Harvey E.S., Heupel M.R., Hicks J.L., Holmes T.H., Huveneres C., Ierodiaconou D., Jordan A., Knott N.A., Malcolm H.A., McLean D., Meekan M., Newman S.J., Radford B., Rees M.J., Saunders B.J., Speed C.W., Travers M.J., Wakefield C.B., Wernberg T., Langlois T.J. (2022) Effects

- of human footprint and biophysical factors on the body-size structure of fished marine species. *Conservation Biology*, 36, e13807.
15. Botté E.S., Cantin N.E., Mocellin V.J.L., O'Brien P.A., Rocker M.M., Frade P.R., Webster N.S. (2022) Reef location has a greater impact than coral bleaching severity on the microbiome of *Pocillopora acuta*. *Coral Reefs*, 41, 63-79.
 16. Bourne, D.G., Smith, H.A., Page, C.A. (2022) Diseases of scleractinian corals. *Invertebrate Pathology*, , 77-108.
 17. Bozec Y.-M., Hock K., Mason R.A.B., Baird M.E., Castro-Sanguino C., Condie S.A., Puotinen M., Thompson A., Mumby P.J. (2022) Cumulative impacts across Australia's Great Barrier Reef: a mechanistic evaluation. *Ecological Monographs*, 92, e13807.
 18. Brunner C.A., Ricardo G.F., Uthicke S., Negri A.P., Hoogenboom M.O. (2022) Effects of climate change and light limitation on coral recruits. *Marine Ecology Progress Series*, 690, 65-82.
 19. Budd, A.M., Schils, T., Cooper, M.K., Lyons, M.B., Mills, M.S., Deinhart, M.E., Le Port, A., Huerlimann, R., Strugnell, J.M. (2023) Monitoring threatened species with environmental DNA and open ecological data: Local distribution and habitat preferences of scalloped hammerhead sharks (*Sphyrna lewini*). *Biological Conservation*, 278, 109881.
 20. Buerger P., Vanstone R.T., Maire J., van Oppen M.J.H. (2022) Long-Term Heat Selection of the Coral Endosymbiont *Cladocopium C1acro* (Symbiodiniaceae) Stabilizes Associated Bacterial Communities. *International Journal of Molecular Sciences*, 23, 4913.
 21. Butler E.C.V., Harries S.J., McAllister K.A., Windsor J.O., Logan M., Crook D.A., Roberts B.H., Grubert M.A., Saunders T.M. (2022) Influence of life history variation and habitat on mercury bioaccumulation in a high-order predatory fish in tropical Australia. *Environmental Research*, 212, 113152.
 22. Butt N., Halpern B.S., O'Hara C.C., Allcock A.L., Polidoro B., Sherman S., Byrne M., Birkeland C., Dwyer R.G., Frazier M., Woodworth B.K., Arango C.P., Kingsford M.J., Udyawer V., Hutchings P., Scanes E., McClaren E.J., Maxwell S.M., Diaz-Pulido G., Dugan E., Simmons B.A., Wenger A.S., Linardich C., Klein C.J. (2022) A trait-based framework for assessing the vulnerability of marine species to human impacts. *Ecosphere*, 13, e3919.
 23. Campana S.E., Smoliński S., Black B.A., Morrongiello J.R., Alexandroff S.J., Andersson C., Bogstad B., Butler P.G., Denechaud C., Frank D.C., Geffen A.J., Godiksen J.A., Grønkjær P., Hjørleifsson E., Jónsdóttir I.G., Meekan M., Mette M., Tanner S.E., van der Sleen P., von Leesen G. (2023) Growth portfolios buffer climate-linked environmental change in marine systems. *Ecology*, 104, e3918.
 24. Campbell M.A., Udyawer V., Jardine T.D., Fukuda Y., Kopf R.K., Bunn S.E., Campbell H.A. (2022) Dietary shifts may underpin the recovery of a large carnivore population. *Biology Letters*, 18, 20210676.
 25. Cannell B.L., Allen P.J.D., Wiley E.M., Radford B., Surman C.A., Ridley A.R. (2022) Diet of brown boobies at a globally significant breeding ground is influenced by sex, breeding, sub-colony and year. *Marine Ecology Progress Series*, 681, 227-245.
 26. Carlot, J., Rouzé, H., Barneche, D.R., Mercière, A., Espiau, B., Cardini, U., Brandl, S.J., Casey, J.M., Pérez-Rosales, G., Adjeroud, M., Hédouin, L. & Parravicini, V. (2022) Scaling up calcification, respiration, and photosynthesis rates of six prominent coral taxa. *Ecology and Evolution*, 12, e8613.
 27. Castro-Sanguino C., Bozec Y.-M., Callaghan D., Vercelloni J., Rodriguez-Ramirez A., Lopez-Marcano S., Gonzalez-Marrero Y., Puotinen M., Hoegh-Guldberg O., Gonzalez-Rivero M. (2022) Coral composition and bottom-wave metrics improve understanding of the patchiness of cyclone damage on reefs. *Science of the Total Environment*, 804, 150178.
 28. Ceccarelli D.M., Lestari A.P., Rudyanto, White A.T. (2022) Emerging marine protected areas of eastern Indonesia: Coral reef trends and priorities for management. *Marine Policy*, 141, 105091.
 29. Chen Y., Shah S., Dougan K.E., van Oppen M.J.H., Bhattacharya D., Chan C.X. (2022) Improved *Cladocopium goreaui* Genome Assembly Reveals Features of a Facultative Coral Symbiont and the Complex Evolutionary History of Dinoflagellate Genes. *Microorganisms*, 10, 1662.
 30. Chin, A., Molloy, F.J., Cameron, D., Day, J.C., Cramp, J., Gerhardt, K.G., Heupel, M.R., Read, M., Simpfendorfer, C.A. (2023) Conceptual frameworks and key questions for assessing the contribution of marine protected areas to shark and ray conservation. *Conservation Biology*, 37, e13917.

31. Clarke T.M., Whitmarsh S.K., Dwyer R.G., Udyawer V., Pederson H., Huveneers C. (2022) Effects of shark tourism on the daily residency and movements of a non-focal pelagic teleost. *Marine Ecology Progress Series*, 687, 133-146.
32. Costa, M.D.P., Gorddard, R., Fidelman, P., Helmstedt, K.J., Anthony, K.R.N., Wilson, K.A., Beyer, H.L. (2021) Linking social and biophysical systems to inform long-term, strategic management of coral reefs. *Pacific Conservation Biology*, 27, 126-132.
33. D'Agostino, D., Burt, J.A., Santinelli, V., Vaughan, G.O., Fowler, A.M., Reader, T., Taylor, B.M., Hoey, A.S., Cavalcante, G.H., Bauman, A.G. & Feary, D.A. (2021) Growth impacts in a changing ocean: insights from two coral reef fishes in an extreme environment. *Coral Reefs*, 40, 433-446.
34. Daly J., Hobbs R.J., Zuchowicz N., O'Brien J.K., Bouwmeester J., Bay L., Quigley K., Hagedorn M. (2022) Cryopreservation can assist gene flow on the Great Barrier Reef. *Coral Reefs*, 41, 455-462.
35. Daly R., Filmlalter J.D., Peel L.R., Mann B.Q., Lea J.S.E., Clarke C.R., Cowley P.D. (2022) Ontogenetic shifts in home range size of a top predatory reef-associated fish (*Caranx ignobilis*): implications for conservation. *Marine Ecology Progress Series*, 664, 165-182.
36. Davenport A.M., d'Anastasi B.R., Fitzpatrick B.M. (2022) Range extension of Czeblukov's true sea snake *Hydrophis czeblukovi* (Elapidae:Hydrophiinae) southwest to Exmouth Gulf, Western Australia. *Australian Zoologist*, 42, 738-751.
37. Dawson A.L., Li J.Y.Q., Kroon F.J. (2022) Plastics for dinner: Store-bought seafood, but not wild-caught from the Great Barrier Reef, as a source of microplastics to human consumers. *Environmental Advances*, 8, 100249.
38. Dawson A.L., Santana M.F.M., Nelis J.L.D., Motti C.A. (2023) Taking control of microplastics data: A comparison of control and blank data correction methods. *Journal of Hazardous Materials*, 443, 130218.
39. Deore P., Wanigasuriya I., Tsang Min Ching S.J., Brumley D.R., Van Oppen M.J.H., Blackall L.L., Hinde E. (2022) Fluorescence lifetime imaging microscopy (FLIM): a non-traditional approach to study host-microbial symbioses. *Microbiology Australia*, 43, 22-27.
40. DiBattista J.D., Berumen M.L., Priest M.A., De Brauwier M., Coker D.J., Sinclair-Taylor T.H., Hay A., Bruss G., Mansour S., Bunce M., Goatley C.H.R., Power M., Marshall A. (2022) Environmental DNA reveals a multi-taxa biogeographic break across the Arabian Sea and Sea of Oman. *Environmental DNA*, 4, 206-221.
41. Ditria E.M., Buelow C.A., Gonzalez-Rivero M., Connolly R.M. (2022) Artificial intelligence and automated monitoring for assisting conservation of marine ecosystems: A perspective. *Frontiers in Marine Science*, 9, 918104.
42. Dixon A.M., Puotinen M., Ramsay H.A., Beger M. (2022) Coral Reef Exposure to Damaging Tropical Cyclone Waves in a Warming Climate. *Earth's Future*, 10, e2021EF002600.
43. Dugal L., Thomas L., Jensen M.R., Sigsgaard E.E., Simpson T., Jarman S., Thomsen P.F., Meekan M. (2022) Individual haplotyping of whale sharks from seawater environmental DNA. *Molecular Ecology Resources*, 22, 56-65.
44. Dugal L., Thomas L., Meenakshisundaram A., Simpson T., Lines R., Colquhoun J., Jarman S., Meekan M. (2023) Distinct coral reef habitat communities characterized by environmental DNA metabarcoding. *Coral Reefs*, 42, 17-30.
45. Dugal L., Thomas L., Wilkinson S.P., Richards Z.T., Alexander J.B., Adam A.A.S., Kennington W.J., Jarman S., Ryan N.M., Bunce M., Gilmour J.P. (2022) Coral monitoring in northwest Australia with environmental DNA metabarcoding using a curated reference database for optimized detection. *Environmental DNA*, 4, 63-76.
46. Dungan A.M., Hartman L.M., Blackall L.L., van Oppen M.J.H. (2022) Exploring microbiome engineering as a strategy for improved thermal tolerance in *Exaiptasia diaphana*. *Journal of Applied Microbiology*, 132, 2940-2956.
47. Dungan A.M., Maire J., Perez-Gonzalez A., Blackall L.L., van Oppen M.J.H. (2022) Lack of evidence for the oxidative stress theory of bleaching in the sea anemone, *Exaiptasia diaphana*, under elevated temperature. *Coral Reefs*, 41, 1161-1172.
48. Elder H., Weis V.M., Montalvo-Proano J., Mocellin V.J.L., Baird A.H., Meyer E., Bay L.K. (2022) Genetic Variation in Heat Tolerance of the Coral *Platygyra daedalea* Indicates Potential for Adaptation to Ocean Warming. *Frontiers in Marine Science*, 9, 925845.

49. Ellis, J.R., Barker, J., McCully Phillips, S.R., Meyers, E.K.M., Heupel, M. (2021) Angel sharks (Squatinae): A review of biological knowledge and exploitation. *Journal of Fish Biology*, 98, 592-621.
50. Engelberts, J.P., Robbins, S.J., Herbold, C.W., Moeller, F.U., Jehmlich, N., Laffy, P.W., Wagner, M., Webster, N.S. (2023) Metabolic reconstruction of the near complete microbiome of the model sponge *Ianthella basta*. *Environmental Microbiology*, 25, 646-660.
51. Feeney, W.E., Gache, C., O'Brien, D.A., Berthe, C., Cowan, Z-L., Brooker, R.M., Laudet, V., Lecchini, D. (2022) Anemone bleaching impacts the larval recruitment success of an anemone-associated fish. *Coral Reefs*, 42, 195-203.
52. Ferrari R., Leon J.X., Davies A.J., Burns J.H.R., Sandin S.A., Figueira W.F., Gonzalez-Rivero M. (2022) Advances in 3D Habitat Mapping of Marine Ecosystem Ecology and Conservation. *Frontiers in Marine Science*, 8, 827430.
53. Fisher R., Leis J.M., Hogan J.D., Bellwood D.R., Wilson S.K., Job S.D. (2022) Tropical larval and juvenile fish critical swimming speed (U-crit) and morphology data. *Scientific Data*, 9, 45.
54. Fitzgerald L.M., Harrison H.B., Coker D.J., Sáenz-Agudelo P., Srinivasan M., Majoris J.E., Boström Einarsson L., Pujol B., Bennett-Smith M., Thorrold S.R., Planes S., Jones G.P., Berumen M.L. (2022) Rank change and growth within social hierarchies of the orange clownfish, *Amphiprion percula*. *Marine Biology*, 169, 128.
55. Fontoura L., D'Agata S., Gamoyo M., Barneche D.R., Luiz O.J., Madin E.M.P., Eggertsen L., Maina J.M. (2022) Protecting connectivity promotes successful biodiversity and fisheries conservation. *Science*, 375, 336-340.
56. Fortune J., Kaestli M., Butler E.C.V., Gibb K. (2022) Denitrification in intertidal sediments of a tropical estuary subject to increasing development pressures. *Aquatic Sciences*, 84, 53.
57. Free C.M., Cabral R.B., Froehlich H.E., Battista W., Ojea E., O'Reilly E., Palardy J.E., García Molinos J., Siegel K.J., Arnason R., Juinio-Meñez M.A., Fabricius K., Turley C., Gaines S.D. (2022) Expanding ocean food production under climate change. *Nature*, 605, 490-496.
58. Galaiduk R., Radford B., Case M., Bond T., Taylor M., Cooper T., Smith L., McLean D. (2022) Regional patterns in demersal fish assemblages among subsea pipelines and natural habitats across north-west Australia. *Frontiers in Marine Science*, 9, 979987.
59. Gardner S.G., Nitschke M.R., O'Brien J., Motti C.A., Seymour J.R., Ralph P.J., Petrou K., Raina J.-B. (2022) Increased DMSP availability during thermal stress influences DMSP-degrading bacteria in coral mucus. *Frontiers in Marine Science*, 9, 912862.
60. Gibbs M.T., Newlands M. (2022) Restoration heralds' new management challenges for coral reefs. *Marine Policy*, 136, 104911.
61. Gilmour J.P., Cook K.L., Ryan N.M., Puotinen M.L., Green R.H., Heyward A.J. (2022) A tale of two reef systems: Local conditions, disturbances, coral life histories, and the climate catastrophe. *Ecological Applications*, 32, e2509.
62. Giss F., Koppel D., Boyd A., Kho F., Von Hellfeld R., Higgins S., Apte S., Cresswell T. (2022) A review of the potential risks associated with mercury in subsea oil and gas pipelines in Australia. *Environmental Chemistry*, 19, 210-227.
63. Goiran C., Mallet D., Lanos N., Shine R., Udyawer V., Wantiez L. (2022) Sea snake diversity at the Entrecasteaux atolls, Coral Sea, as revealed by video observations at unbaited stations. *Coral Reefs*, 41, 1551-1556.
64. Golding L.A., Valdivia M.V., Van Dam J.W., Batley G.E., Apte S.C. (2022) Toxicity of arsenic(v) to temperate and tropical marine biota and the derivation of chronic marine water quality guideline values. *Environmental Chemistry*, 19, 116-131.
65. Gouezo, M., Wolanski, E., Critchell, K., Fabricius, K., Harrison, P., Golbuu, Y. & Doropoulos, C. (2021) Modelled larval supply predicts coral population recovery potential following disturbance. *Marine Ecology Progress Series*, 661, 127-145.
66. Greenslade, D.J.M., Hemer, M.A., Young, I.R., Steinberg, C.R. (2023) Structured design of Australia's in situ wave observing network. *Journal of Operational Oceanography*, 16, 140-154.
67. Grimaldi C.M., Lowe R.J., Benthuyzen J.A., Cuttler M.V.W., Green R.H., Radford B., Ryan N., Gilmour J. (2022) Hydrodynamic drivers of fine-scale connectivity within a coral reef atoll. *Limnology and Oceanography*, 67, 2204-2217.

68. Grimaldi C.M., Lowe R.J., Benthuisen J.A., Green R.H., Reyns J., Kernkamp H., Gilmour J. (2022) Wave and Tidally Driven Flow Dynamics Within a Coral Reef Atoll off Northwestern Australia. *Journal of Geophysical Research: Oceans*, 127, e2021JC017583.
69. Gulizia A.M., Brodie E., Daumuller R., Bloom S.B., Corbett T., Santana M.M.F., Motti C.A., Vamvounis G. (2022) Evaluating the Effect of Chemical Digestion Treatments on Polystyrene Microplastics: Recommended Updates to Chemical Digestion Protocols. *Macromolecular Chemistry and Physics*, 223, 2100485.
70. Gulizia A.M., Patel K., Philippa B., Motti C.A., van Herwerden L., Vamvounis G. (2023) Understanding plasticiser leaching from polystyrene microplastics. *Science of the Total Environment*, 857, 159099.
71. Gurdek-Bas R., Benthuisen J.A., Harrison H.B., Zenger K.R., van Herwerden L. (2022) The El Niño Southern Oscillation drives multidirectional inter-reef larval connectivity in the Great Barrier Reef. *Scientific Reports*, 12, 21290.
72. Haberstroh A.J., McLean D., Holmes T.H., Langlois T. (2022) Baited video, but not diver video, detects a greater contrast in the abundance of two legal-size target species between no-take and fished zones. *Marine Biology*, 169, 79.
73. Hamylton S.M., Hutchings P., Sims C., Ward S. (2022) The Australian Coral Reef Society: the last 40 years of a century working with Australia's coral reefs. *Historical Records of Australian Science*, 34, 43101.
74. Harborne A.R., Kochan D.P., Esch M.M., Fidler R.Y., Mitchell M.D., Butkowski D.W., González-Rivero M. (2022) Drivers of fine-scale diurnal space use by a coral-reef mesopredatory fish. *Journal of Fish Biology*, 100, 1009-1024.
75. Hardenstine R.S., He S., Cochran J.E.M., Braun C.D., Cagua E.F., Pierce S.J., Prebble C.E.M., Rohner C.A., Saenz-Angudelo P., Sinclair-Taylor T.H., Skomal G.B., Thorrold S.R., Watts A.M., Zakroff C.J., Berumen M.L. (2022) Pieces in a global puzzle: Population genetics at two whale shark aggregations in the western Indian Ocean. *Ecology and Evolution*, 12, e8492.
76. Hartman, L.M., Blackall, L.L., van Oppen, M.J.H. (2022) Antibiotics reduce bacterial load in *Exaiptasia diaphana*, but biofilms hinder its development as a gnotobiotic coral model. *Access Microbiology*, 4, 314.
77. Hickey S.M., Radford B. (2022) Turning the Tide on Mapping Marginal Mangroves with Multi-Dimensional Space–Time Remote Sensing. *Remote Sensing*, 14, 3365.
78. Hobbs R.J., O'Brien J.K., Bay L.K., Severati A., Spindler R., Henley E.M., Quigley K.M., Randall C.J., van Oppen M.J.H., Carter V., Zuchowicz N., Hagedorn M., Daly J. (2022) A decade of coral biobanking science in Australia - transitioning into applied reef restoration. *Frontiers in Marine Science*, 9, 960470.
79. Howells E.J., Hagedorn M., Van Oppen M.J.H., Burt J.A. (2022) Challenges of sperm cryopreservation in transferring heat adaptation of corals across ocean basins. *PeerJ*, 10, e13395 .
80. Humphries F., Horne R., Olsen M., Dunbabin M., Tranter K. (2022) Uncrewed autonomous marine vessels test the limits of maritime safety frameworks. *WMU Journal of Maritime Affairs*, 8, 317–344.
81. Jahanbakht M., Xiang W., Robson B., Azghadi M.R. (2022) Nitrogen prediction in the Great Barrier Reef using finite element analysis with deep neural networks. *Environmental Modelling and Software*, 150, 105311.
82. Kerkhof, L.J., Roth, P.A., Deshpande, S.V., Cory Bernhards, R., Liem, A.T., Hill, J.M., Haggblom, M.M., Webster, N.S., Ibrionke, O., Mirzoyan, S., Polashock, J.J. & Sullivan, R.F. (2022) A ribosomal operon database and MegaBLAST settings for strain-level resolution of microbiomes. *FEMS Microbes*, 3, xtac002.
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85. Kuek F.W.I., Motti C.A., Zhang J., Cooke I.R., Todd J.D., Miller D.J., Bourne D.G., Raina J.-B. (2022) DMSP Production by Coral-Associated Bacteria. *Frontiers in Marine Science*, 9, 869574.
86. Landero Figueroa M.M., Parsons M.J.G., Saunders B.J., Parnum I.M. (2022) The Spatial Variation of Acoustic Water Column Data and Its Relationship with Reef-Associated Fish Recorded by Baited Remote Underwater Stereo-Videos off the Western Australia Coast. *Journal of Marine Science and Engineering*, 10, 52.

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89. Lester E., Langlois T., Lindgren I., Birt M., Bond T., McLean D., Vaughan B., Holmes T.H., Meekan M. (2022) Drivers of variation in occurrence, abundance, and behaviour of sharks on coral reefs. *Scientific Reports*, 12, 728.
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2022 Books and Book Chapters

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