

**2014 Publications Count: Publications using Marine Research Institute
(Ma-Re) and UCT as affiliation address**

Peer-Reviewed Journal Articles (78)

1. Ansorge, I.J., Baringer, M.O., Campos, E.J.D., Dong, S., Fine, R.A., Garzoli, S.L., Goni, G., Meinen, C.S. et al. 2014. Basin-wide oceanographic array bridges the South Atlantic. *Eos*. 95(6): 53-54.
2. Ansorge, I.J., Durgadoo, J.V. & Treasure, A.M. 2014. Sentinels to climate change. The need for monitoring at South Africa's Subantarctic laboratory. *South African Journal of Science*. 110(1-2): .
3. Ansorge, I.J., Jackson, J.M., Reid, K., Durgadoo, J.V., Swart, S. & Eberenz, S. 2014. Evidence of a southward eddy corridor in the south-west Indian ocean. *Deep-Sea Research Part II: Topical Studies in Oceanography*.
4. Backeberg, B.C., Counillon, F., Johannessen, J.A. & Pujol, M.-. 2014. Assimilating along-track SLA data using the EnOI in an eddy resolving model of the Agulhas system. *Ocean Dynamics*.
5. Barlow, R., Lamont, T., Morris, T., Sessions, H. & van den Berg, M. 2014. Adaptation of phytoplankton communities to mesoscale eddies in the Mozambique Channel. *Deep-Sea Research Part II: Topical Studies in Oceanography*. 100106-118.
6. Béhagle, N., Du Buisson, L., Josse, E., Lebourges-Dhaussy, A., Roudaut, G. & Ménard, F. 2014. Mesoscale features and micronekton in the Mozambique Channel: An acoustic approach. *Deep-Sea Research Part II: Topical Studies in Oceanography*. 100164-173.
7. Blamey, L.K., Plagányi, T.E. & Branch, G.M. 2014. Was overfishing of predatory fish responsible for a lobster-induced regime shift in the Benguela? *Ecological Modelling*. 273140-150.
8. Brown, S., Nicholls, R.J., Hanson, S., Brundrit, G., Dearing, J.A., Dickson, M.E., Gallop, S.L., Gao, S. et al. 2014. Shifting perspectives on coastal impacts and adaptation. *Nature Climate Change*. 4(9): 752-755.
9. Camacho, O., Mattio, L., Draisma, S., Fredericq, S. & Diaz-Pulido, G. 2014. Morphological and molecular assessment of Sargassum (Fucales, Phaeophyceae) from Caribbean Colombia, including the proposal of *Sargassum giganteum* sp. nov., *Sargassum schnetteri* comb. nov. and *Sargassum* section *Cladophyllum* sect. nov. *Systematics and Biodiversity*.
10. Cooper, R., Leiman, A. & Jarre, A. 2014. An analysis of the structural changes in the offshore demersal hake (*Merluccius capensis* and *M. paradoxus*) trawl fishery in South Africa. *Marine Policy*. 50(PA): 270-279.
11. Cuif, M., Kaplan, D.M., Lefèvre, J., Faure, V.M., Caillaud, M., Verley, P., Vigliola, L. & Lett, C. 2014. Wind-induced variability in larval retention in a coral reef system: A biophysical modelling study in the South-West Lagoon of New Caledonia. *Progress in Oceanography*. 122105-115.
12. Davis, R.W., David, J.H.M., Meÿer, M.A., Sekiguchi, K., Best, P.B., Dassis, M. & Rodríguez, D.H. 2014. Home range and diving behaviour of Heaviside's dolphins monitored by satellite off the west coast of South Africa. *African Journal of Marine Science*.
13. De Vos, L., Götz, A., Winker, H. & Attwood, C.G. 2014. Optimal BRUVs (baited remote underwater video system) survey design for reef fish monitoring in the Stilbaai Marine Protected Area. *African Journal of Marine Science*. 36(1): 1-10.
14. Dixon, R.R.M., Mattio, L., Huisman, J.M., Payri, C.E., Bolton, J.J. & Gurgel, C.F.D. 2014. North meets south - Taxonomic and biogeographic implications of a phylogenetic assessment of *Sargassum* subgenera *Arthrophyucus* and *Bactrophyucus* (Fucales, Phaeophyceae). *Phycologia*. 53(1): 15-22.
15. Domingues, R., Goni, G., Swart, S. & Dong, S. 2014. Wind forced variability of the Antarctic Circumpolar Current south of Africa between 1993 and 2010. *Journal of Geophysical Research: Oceans*. 119(2): 1123-1145.
16. Duggan, G.L., Green, L.J.F. & Jarre, A. 2014. 'Thinking like a fish': Adaptive strategies for coping with vulnerability and variability emerging from a relational engagement with kob. *Maritime Studies*. 13(1): 1-21.

17. Duggan, G.L., Rogerson, J.J.M., Green, L.J.F. & Jarre, A. 2014. Opening dialogue and fostering collaboration: Different ways of knowing in fisheries research. *South African Journal of Science*. 110(7-8): .
18. Eriksen, M., Lebreton, L.C.M., Carson, H.S., Thiel, M., Moore, C.J., Bornerro, J.C., Galgani, F., Ryan, P.G. et al. 2014. Plastic Pollution in the World's Oceans: More than 5 Trillion Plastic Pieces Weighing over 250,000 Tons Afloat at Sea. *Plos One*. 9(12): .
19. Götz, A., Kerwath, S.E., Samaai, T., Da Silva, C. & Wilke, C.G. 2014. An exploratory investigation of the fish communities associated with reefs on the central Agulhas Bank, South Africa. *African Zoology*. 49(2): 253-264.
20. Gray, M.M., Wegmann, D., Haasl, R.J., White, M.A., Gabriel, S.I., Searle, J.B., Cuthbert, R.J., Ryan, P.G. et al. 2014. Demographic history of a recent invasion of house mice on the isolated Island of Gough. *Molecular Ecology*. 23(8): 1923-1939.
21. Halo, I., Backeberg, B., Penven, P., Ansorge, I., Reason, C. & Ullgren, J.E. 2014. Eddy properties in the Mozambique Channel: A comparison between observations and two numerical ocean circulation models. *Deep-Sea Research Part II: Topical Studies in Oceanography*. 10038-53.
22. Halo, I., Penven, P., Backeberg, B., Ansorge, I., Shillington, F. & Roman, R. 2014. Mesoscale eddy variability in the southern extension of the East Madagascar Current: Seasonal cycle, energy conversion terms, and eddy mean properties. *Journal of Geophysical Research C: Oceans*. 119(10): 7324-7356.
23. Huggett, J.A. 2014. Mesoscale distribution and community composition of zooplankton in the Mozambique Channel. *Deep-Sea Research Part II: Topical Studies in Oceanography*. 100119-135.
24. José, Y.S., Aumont, O., Machu, E., Penven, P., Moloney, C.L. & Maury, O. 2014. Influence of mesoscale eddies on biological production in the Mozambique Channel: Several contrasted examples from a coupled ocean-biogeochemistry model. *Deep-Sea Research Part II: Topical Studies in Oceanography*. 10079-93.
25. Krug, M., Tournadre, J. & Dufois, F. 2014. Interactions between the Agulhas Current and the eastern margin of the Agulhas Bank. *Continental Shelf Research*. 8167-79.
26. Lamont, T., Barlow, R.G. & Kyewalyanga, M.S. 2014. Physical drivers of phytoplankton production in the southern Benguela upwelling system. *Deep-Sea Research Part I: Oceanographic Research Papers*. 90(1): 1-16.
27. Lamont, T., Barlow, R.G., Morris, T. & van den Berg, M.A. 2014. Characterisation of mesoscale features and phytoplankton variability in the Mozambique Channel. *Deep-Sea Research Part II: Topical Studies in Oceanography*. 10094-105.
28. Lebourges-Dhaussy, A., Huggett, J., Ockhuis, S., Roudaut, G., Josse, E. & Verheye, H. 2014. Zooplankton size and distribution within mesoscale structures in the Mozambique Channel: A comparative approach using the TAPS acoustic profiler, a multiple net sampler and ZooScan image analysis. *Deep-Sea Research Part II: Topical Studies in Oceanography*. 100136-152.
29. Lubbe, A., Underhill, L.G., Waller, L.J. & Veen, J. 2014. A condition index for African penguin *Spheniscus demersus* chicks. *African Journal of Marine Science*. 36(2): 143-154.
30. Lucas, A.J., Pitcher, G.C., Probyn, T.A. & Kudela, R.M. 2014. The influence of diurnal winds on phytoplankton dynamics in a coastal upwelling system off southwestern Africa. *Deep-Sea Research Part II: Topical Studies in Oceanography*. 10150-62.
31. Ludynia, K., Waller, L.J., Sherley, R.B., Abadi, F., Galada, Y., Geldenhuys, D., Crawford, R.J.M., Shannon, L.J. et al. 2014. Processes influencing the population dynamics and conservation of African penguins on Dyer Island, South Africa. *African Journal of Marine Science*. 36(2): 253-267.
32. Malauene, B.S., Shillington, F.A., Roberts, M.J. & Moloney, C.L. 2014. Cool, elevated chlorophyll-a waters off northern Mozambique. *Deep-Sea Research Part II: Topical Studies in Oceanography*. 10068-78.
33. Marsac, F., Barlow, R., TERNON, J.F., Ménard, F. & Roberts, M. 2014. Ecosystem functioning in the Mozambique Channel: Synthesis and future research. *Deep-Sea Research Part II: Topical Studies in Oceanography*. 100212-220.
34. Martins, R.S., Roberts, M.J., Lett, C., Chang, N., Moloney, C.L., Camargo, M.G. & Vidal, E.A.G. 2014. Modelling transport of chokka squid (*Loligo reynaudii*) paralarvae off South Africa: Reviewing, testing and extending the 'Westward Transport Hypothesis'. *Fisheries Oceanography*. 23(2): 116-131.

35. Monteiro, M., Reino, L., Beja, P., Mills, M.S.L., Bastos-Silveira, C., Ramos, M., Rodrigues, D., Neves, I.Q. et al. 2014. The collection and database of Birds of Angola hosted at IICT (Instituto de Investigação Científica Tropical), Lisboa, Portugal. *Zookeys*. 38789-99.
36. Neira, S., Moloney, C., Christensen, V., Cury, P., Shannon, L. & Arancibia, H. 2014. Analysing changes in the southern Humboldt ecosystem for the period 1970-2004 by means of dynamic food web modelling. *Ecological Modelling*. 27441-49.
37. Neira, S., Moloney, C., Shannon, L.J., Christensen, V., Arancibia, H. & Jarre, A. 2014. Assessing changes in the southern Humboldt in the 20th century using food web models. *Ecological Modelling*. 27852-66.
38. Nel, P. & Branch, G.M. 2014. The effect of bait collectors on stocks of *Callichirus kraussi* and *Upogebia* species in Langebaan Lagoon. *African Zoology*. 49(1): 30-43.
39. Ommer, R.E. & Paterson, B. 2014. Conclusions: Reframing the possibilities for natural and social science dialogue on the economic history of natural resources. *Ecology and Society*. 19(1): .
40. Paterson, B. 2014. Tracks, trawls and lines-Knowledge practices of skippers in the Namibian hake fisheries. *Marine Policy*.
41. Paterson, B. & Kainge, P. 2014. Rebuilding the Namibian hake fishery: A case for collaboration between scientists and fishermen. *Ecology and Society*. 19(2): .
42. Patrick, S.C., Bearhop, S., Grémillet, D., Lescroël, A., Grecian, W.J., Bodey, T.W., Hamer, K.C., Wakefield, E. et al. 2014. Individual differences in searching behaviour and spatial foraging consistency in a central place marine predator. *Oikos*. 123(1): 33-40.
43. Plagányi, É.E., Ellis, N., Blamey, L.K., Morello, E.B., Norman-Lopez, A., Robinson, W., Sporcic, M. & Sweatman, H. 2014. Ecosystem modelling provides clues to understanding ecological tipping points. *Marine Ecology Progress Series*. 51299-113.
44. Pohl, B., Rouault, M. & Roy, S.S. 2014. Simulation of the annual and diurnal cycles of rainfall over South Africa by a regional climate model. *Climate Dynamics*. 1-20.
45. Porter, S.N., Kaehler, S., Branch, G.M. & Sink, K.J. 2014. Riverine subsidies for inshore filter-feeder communities: Potential influences on trophic patterns among bioregions. *Marine Ecology Progress Series*. 49813-26.
46. Potts, W.M., Henriques, R., Santos, C.V., Munnik, K., Ansorge, I., Dufois, F., Booth, A.J., Kirchner, C. et al. 2014. Ocean warming, a rapid distributional shift, and the hybridization of a coastal fish species. *Global Change Biology*. 20(9): 2765-2777.
47. Pulfrich, A. & Branch, G.M. 2014. Effects of sediment discharge from Namibian diamond mines on intertidal and subtidal rocky-reef communities and the rock lobster *Jasus lalandii*. *Estuarine, Coastal and Shelf Science*. 150(PA): 179-191.
48. Pulfrich, A. & Branch, G.M. 2014. Using diamond-mined sediment discharges to test the paradigms of sandy-beach ecology. *Estuarine, Coastal and Shelf Science*. 150(PA): 165-178.
49. Remisiewicz, M., Tree, A.J., Underhill, L.G. & Nowakowski, J.K. 2014. Geographical patterns in primary moult and body mass of greenshank *tringa nebularia* in southern Africa. *Ardea*. 102(1): 31-46.
50. Ribeiro, Â.M., Lloyd, P., Dean, W.R.J., Brown, M. & Bowie, R.C.K. 2014. The ecological and geographic context of morphological and genetic divergence in an understorey-dwelling bird. *Plos One*. 9(2): .
51. Roos, C.I., Bowman, D.M.J.S., Balch, J.K., Artaxo, P., Bond, W.J., Cochrane, M., D'Antonio, C.M., Defries, R. et al. 2014. Pyrogeography, historical ecology, and the human dimensions of fire regimes. *Journal of Biogeography*. 41(4): 833-836.
52. Ryan, P.G., Lamprecht, A., Swanepoel, D. & Moloney, C.L. 2014. The effect of fine-scale sampling frequency on estimates of beach litter accumulation. *Marine Pollution Bulletin*. 88(1-2): 249-254.
53. Sabarros, P.S., Grémillet, D., Demarcq, H., Moseley, C., Pichegru, L., Mullers, R.H.E., Stenseth, N.C. & Machu, E. 2014. Fine-scale recognition and use of mesoscale fronts by foraging Cape gannets in the Benguela upwelling region. *Deep-Sea Research Part II: Topical Studies in Oceanography*. 10777-84.
54. Schüller, S.E., Bianchi, T.S., Li, X., Allison, M.A. & Savage, C. 2014. Historical Reconstruction of Phytoplankton Composition in Estuaries of Fiordland, New Zealand: the Application of Plant Pigment Biomarkers. *Estuaries and Coasts*. 1-16.
55. Seddon, A.W.R., Mackay, A.W., Baker, A.G., Birks, H.J.B., Breman, E., Buck, C.E., Ellis, E.C., Froyd, C.A. et al. 2014. Looking forward through the past: Identification of 50 priority research questions in palaeoecology. *Journal of Ecology*. 102(1): 256-267.

56. Shannon, L., Coll, M., Bundy, A., Gascuel, D., Heymans, J.J., Kleisner, K., Lynam, C.P., Piroddi, C. et al. 2014. Trophic level-based indicators to track fishing impacts across marine ecosystems. *Marine Ecology Progress Series*. 512115-140.
57. Shannon, L.J., Osman, W. & Jarre, A. 2014. Communicating changes in state of the Southern Benguela ecosystem using trophic, model-derived indicators. *Marine Ecology Progress Series*. 512217-237.
58. Sherley, R.B., Abadi, F., Ludynia, K., Barham, B.J., Clark, A.E. & Altwegg, R. 2014. Age-specific survival and movement among major African Penguin *Spheniscus demersus* colonies. *Ibis*.
59. Sherley, R.B., Barham, P.J., Barham, B.J., Crawford, R.J.M., Dyer, B.M., Leshoro, T.M., Makhado, A.B., Upfold, L. et al. 2014. Growth and decline of a penguin colony and the influence on nesting density and reproductive success. *Population Ecology*. 56(1): 119-128.
60. Sherley, R.B., Waller, L.J., Strauss, V., Geldenhuys, D., Underhill, L.G. & Parsons, N.J. 2014. Hand-rearing, release and survival of African penguin chicks abandoned before independence by moulting parents. *Plos One*. 9(10): .
61. Swart, S., Thomalla, S.J. & Monteiro, P.M.S. 2014. The seasonal cycle of mixed layer dynamics and phytoplankton biomass in the Sub-Antarctic Zone: A high-resolution glider experiment. *Journal of Marine Systems*.
62. Tagliabue, A., Sallée, J.-., Bowie, A.R., Lévy, M., Swart, S. & Boyd, P.W. 2014. Surface-water iron supplies in the Southern Ocean sustained by deep winter mixing. *Nature Geoscience*. 7(4): 314-320.
63. Ternon, J.F., Bach, P., Barlow, R., Huggett, J., Jaquemet, S., Marsac, F., Ménard, F., Penven, P. et al. 2013. The Mozambique Channel: From physics to upper trophic levels. *Deep-Sea Research Part II: Topical Studies in Oceanography*.
64. Ternon, J.F., Bach, P., Barlow, R., Huggett, J., Jaquemet, S., Marsac, F., Ménard, F., Penven, P. et al. 2014. The Mozambique Channel: From physics to upper trophic levels. *Deep-Sea Research Part II: Topical Studies in Oceanography*. 1001-9.
65. Ternon, J.F., Roberts, M.J., Morris, T., Hancke, L. & Backeberg, B. 2014. In situ measured current structures of the eddy field in the Mozambique Channel. *Deep-Sea Research Part II: Topical Studies in Oceanography*. 10010-26.
66. Thiebault, A., Mullers, R., Pistorius, P., Meza-Torres, M.A., Dubroca, L., Green, D. & Tremblay, Y. 2014. From colony to first patch: Processes of prey searching and social information in Cape Gannets. *Auk*. 131(4): 595-609.
67. Thrush, S.F., Hewitt, J.E., Parkes, S., Lohrer, A.M., Pilditch, C., Woodin, S.A., Wetthey, D.S., Chiantore, M. et al. 2014. Experimenting with ecosystem interaction networks in search of threshold potentials in real-world marine ecosystems. *Ecology*. 95(6): 1451-1457.
68. Travers-Trolet, M., Shin, Y.-. & Field, J.G. 2014. An end-to-end coupled model ROMS-N2P2Z2D2-OSMOSE of the southern Benguela foodweb: Parameterisation, calibration and pattern-oriented validation. *African Journal of Marine Science*. 36(1): 11-29.
69. Travers-Trolet, M., Shin, Y.-., Shannon, L.J., Moloney, C.L. & Field, J.G. 2014. Combined fishing and climate forcing in the southern Benguela upwelling ecosystem: An end-to-end modelling approach reveals dampened effects. *Plos One*. 9(4): .
70. Van Der Lingen, C.D. & Miller, T.W. 2014. Spatial, ontogenetic and interspecific variability in stable isotope ratios of nitrogen and carbon of *Merluccius capensis* and *Merluccius paradoxus* off South Africa. *Journal of Fish Biology*. 85(2): 456-472.
71. Weller, F., Cecchini, L.-., Shannon, L., Sherley, R.B., Crawford, R.J.M., Altwegg, R., Scott, L., Stewart, T. et al. 2014. A system dynamics approach to modelling multiple drivers of the African penguin population on Robben Island, South Africa. *Ecological Modelling*. 27738-56.
72. Winker, H., Kerwath, S.E. & Attwood, C.G. 2014. Proof of concept for a novel procedure to standardize multispecies catch and effort data. *Fisheries Research*. 155149-159.
73. Wittmann, K.J. & Griffiths, C.L. 2014. Description of the 'stargazer mysid' *Mysidopsis zsilaveczi* sp. nov. (mysida, mysidae, leptomysinae) from the cape peninsula, South Africa. *Crustaceana*. 87(11-12): 1411-1429.
74. Yemane, D., Kirkman, S.P., Kathena, J., N'siangango, S.E., Axelsen, B.E. & Samaai, T. 2014. Assessing changes in the distribution and range size of demersal fish populations in the Benguela Current Large Marine Ecosystem. *Reviews in Fish Biology and Fisheries*. 24(2): 463-483.
75. Young, J.W., Hunt, B.P.V., Cook, T.R., Llopiz, J.K., Hazen, E.L., Pethybridge, H.R., Ceccarelli, D., Lorrain, A. et al. 2014. The trophodynamics of marine top predators: Current knowledge,

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recent advances and challenges. *Deep-Sea Research Part II: Topical Studies in Oceanography*.

76. Zeeman, Z., Branch, G.M., Pillay, D. & Jarre, A. 2014. An experimental test of the effect of the abalone *Haliotis midae* on benthic community composition. *Marine Biology*. 161(2): 329-337.
77. Zinke, J., Loveday, B.R., Reason, C.J.C., Dullo, W.-. & Kroon, D. 2014. Madagascar corals track sea surface temperature variability in the Agulhas Current core region over the past 334 years. *Scientific Reports*. 4.

Chapters in Books (1)

Howard, J. 2014. *Promoting sustainable development in marine regions*. In: Sillitoe, P (ed) *Sustainable Development: An Appraisal from the Gulf Region*, 19, pp. 270-390. Publisher: Berghahn Books. ISBN: 978-178238372-7;978-178238371-0.