

2012 Publications with a Ma-Re address

Journal Articles

1. Anderson, R. J.; Bolton, J. J.; Smit, A. J.; et al. 2012. The seaweeds of Angola: the transition between tropical and temperate marine floras on the west coast of southern Africa. *African Journal of Marine Science* 34(1): 1-13, DOI:10.2989/1814232X.2012.673267, Published: 2012.
2. Backeberg, B.C.; Penven, P.; Rouault, M. 2012. Impact of intensified Indian Ocean winds on mesoscale variability in the Agulhas system. Online: DOI: 10.1038/NCLIMATE1587. *Nature Climate Change*, 2(8): 608-612
3. Barlow, R.; Lamont, T. 2012. Phytoplankton absorption and pigment adaptation of a red tide in the Benguela ecosystem. *African Journal of Marine Science* 34(2): 241-248, DOI: 10.2989/1814232X.2012.709968, Published: 2012.
4. Blamey, L.K.; Howard, J.A.E.; Agenbag, J.; Jarre, A. 2012. Regime-shifts in the southern Benguela shelf and inshore region, *Progress in Oceanography*, ISSN 0079-6611, 10.1016/j.pocean.2012.07.001.
5. Bolton, J. J.; Anderson, R. J.; Smit, A. J.; et al. 2012. South African kelp moving eastwards: the discovery of *Ecklonia maxima* (Osbeck) Papenfuss at De Hoop Nature Reserve on the south coast of South Africa. *African Journal of Marine Science* 34(1): 147-151, DOI:10.2989/1814232X.2012.675125, Published: 2012.
6. Braby, J.; Braby, S.J.; Braby, R.J.; Altwegg, R. 2012. Annual survival and breeding dispersal of a seabird adapted to a stable environment: implications for conservation. *Journal of Ornithology* 153(3): 809-816, DOI: 10.1007/s10336-011-0798-7, Published: JUL 2012.
7. Brewin, R.J.W.; Hirata, T.; Hardman-Mountford, N.J.; et al. 2012. The influence of the Indian Ocean Dipole on interannual variations in phytoplankton size structure as revealed by Earth Observation. *Deep-Sea Research Part II-Topical Studies in Oceanography, Special Issue 77-80*: 117-127, DOI: 10.1016/j.dsr2.2012.04.009, Published: NOV 15 2012.
8. Bundy, A.; Coll, M.; Shannon, L.J.; et al. 2012. Global assessments of the status of marine exploited ecosystems and their management: what more is needed? *Current Opinion in Environmental Sustainability* 4(3): 292-299, DOI:10.1016/j.cosust.2012.05.003, Published: JUL 2012.
9. Cho, S.M.; Lee, S.M.; Ko, Y.D.; Mattio, L.; Boo, S.M. 2012. Molecular systematic reassessment of Sargassum (Fucales, Phaeophyceae) in Korea using four gene regions. *BOTANICA MARINA* Volume: 55 Issue: 5 Pages: 473-484 DOI: 10.1515/bot-2012-0109 Published: OCT 2012
10. Debreu, L.; Marchesiello, P.; Penven, P.; Cambon, G. 2012. Two-way nesting in split-explicit ocean models: algorithms, implementation and validation. *Ocean Modelling* 49-50: 1-21.
11. Dijoux, L.; Verbruggen, H.; Mattio, L.; Duong, N.; Payri, C. 2012. Diversity of Halimeda (Bryopsidales, Chlorophyta) in New Caledonia: a Combined Morphological and Molecular Study. *JOURNAL OF PHYCOLOGY* Volume: 48 Issue: 6 Pages: 1465-1481 DOI: 10.1111/jpy.12002 Published: DEC 2012.
12. Dufois F.; Penven P.; Whittle C.; Veitch J. 2012. On the warm nearshore bias in Pathfinder monthly SST products over eastern boundary upwelling systems. *Ocean Modelling*. doi: 10.1016/j.ocemod.2012.01.00.
13. Dufois, F.; Rouault, M. 2012. Sea surface temperature in False Bay (South Africa): towards a better understanding of its seasonal and interannual variability. *Continental Shelf Research*, <http://dx.doi.org/10.1016/j.csr.2012.04.009>.
14. Ellender, B.R.; Weyl, O.L.F.; Winker, H. 2012. Age and growth and maturity of southern Africa's largest cyprinid fish, the largemouth yellowfish *Labeobarbus kimberleyensis*. *Journal of Fish Biology* 81(4): 1271-1284, DOI: 10.1111/j.1095-8649.2012.03395.x, Published: SEP 2012.
15. Field, J.G. 2012. A strategy for UK marine science for the next 20 years. *Philosophical transactions. Series A, Mathematical, physical, and engineering sciences* 370(1980): 5457-60, DOI: 10.1098/rsta.2012.0404, Published: 2012-Dec-13.
16. Garavelli, L.; Gruss, A.; Grote, B.; Chang, N.; Smith, M.; Verley, P.; Stenevik, E.K.; Kaplan, D.M.; Lett, C. 2012. Modeling the dispersal of Cape hake ichthyoplankton. *Journal of Plankton Research* 34(8): 655-669. DOI: 10.1093/plankt/fbs039, Published: AUG 2012.
17. Gasche, L.; Gascuel, D.; Shannon, L.; et al. 2012. Global assessment of the fishing impacts on the Southern Benguela ecosystem using an EcoTroph modelling approach. *Journal of Marine Systems* 90(1): 1-12, DOI: 10.1016/j.jmarsys.2011.07.012, Published: FEB 2012.
18. Giddy, I.S.; Swart, S.; Tagliabue, A. 2012, Drivers of non-Redfield nutrient utilization in the Atlantic sector of the Southern Ocean, *Geophysical Research Letters* 39: L17604, doi: 10.1029/2012GL052454.

19. Grote, B.; Ekau, W.; Stenevik, E.K.; Clemmesen, C.; Verheye, H.M.; Lipinski, M.R.; Hagen, W. 2012. Characteristics of survivors: growth and nutritional condition of early stages of the hake species *Merluccius paradoxus* and *M. capensis* in the southern Benguela ecosystem. ICES Journal of Marine Science 69(4): 553-562, DOI: 10.1093/icesjms/fss020, Published: MAY 2012.
20. Grote, B.; Stenevik, E.K.; Ekau, W.; et al. 2012. Spawning strategies and transport of early stages of the two Cape hake species, *Merluccius paradoxus* and *M. capensis*, in the southern Benguela upwelling system. African Journal of Marine Science 34(2): 195-204, DOI: 10.2989/1814232X.2012.675040, Published: 2012.
21. Hamann, M.H.; Gremillet, D.; Ryan, P.G.; et al. 2012. A hard-knock life: the foraging ecology of Cape cormorants amidst shifting prey resources and industrial fishing pressure. African Journal of Marine Science 34(2): 233-240, DOI: 10.2989/1814232X.2012.709960, Published: 2012.
22. Hart N.C.G.; Reason C. J.; Fauchereau. N. 2012. Cloud bands over southern Africa: seasonality, contribution to rainfall variability and modulation by the MJO. Clim Dyn DOI 10.1007/s00382-012-1589-4
23. Hart N.C.G.; Reason C.J.C. 2012. Building a Tropical–Extratropical Cloud Band Metbot. Monthly Weather Review 140: 2005 – 4016
24. Huisamen, J.; Kirkman, S.P.; van der Lingen, C.D.; Watson, L.H.; Cockcroft, V.G.; Jewell, R; Pistorius, P.A. 2012. Diet of the Cape fur seal *Arctocephalus pusillus pusillus* at the Robberg Peninsula, Plettenberg Bay, and implications for local fisheries. AFRICAN JOURNAL OF MARINE SCIENCE Volume: 34 Issue: 3 Pages: 431-441 DOI: 10.2989/1814232X.2012.725524 Published: 2012
25. Hutchings, L.; Jarre A.; Lamont T.; van den Berg M.; Kirkman S.P. 2012. St Helena Bay (southern Benguela) then and now: muted climate signals, large human impact. African Journal of Marine Science 34:4, 559 – 583. doi.org/10.2989/1814232X.2012.689672
26. Jackson, J.M.; Rainville, L.; Roberts, M.J.; McQuaid, C.D.; Lutjeharms, J.R.E. 2012. Mesoscale bio-physical interactions between the Agulhas Current and the Agulhas Bank, South Africa. Continental Shelf Research (Online)
27. Jackson, J.M.; Williams, W.J. ; Carmack, E.C. 2012. Winter sea-ice melt in the Canada Basin, Arctic Ocean, Geophysical Research Letters 39: L03603, doi: 10.1029/2011GL050219.
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29. Kallen, J; Muller, H; Franken,M.L.; Crisp, A; Stroh, C; Pillay, D; Lawrence, C. 2012. Seagrass-epifauna relationships in a temperate South African estuary: Interplay between patch-size, within-patch location and algal fouling. ESTUARINE COASTAL AND SHELF SCIENCE Volume: 113 Special Issue: SI Pages: 213-220 DOI: 10.1016/j.ecss.2012.08.006 Published: NOV 10 2012
30. Kirkman, S.P.; Yemane, D.; Ooshtuizen, W.H.; Meyer, M.A.; Kotze, P.G.H.; Skrypzek, H.; Vaz Velho, F.; Underhill, L.G. 2012. Spatio-temporal shifts of the dynamic Cape fur seal population in southern Africa, based on aerial censuses (1972–2009). Marine Mammal Science DOI: 10.1111/j.1748-7692.2012.00584.x.
31. Krug, M.; Tournadre, J. 2012. Satellite observations of an annual cycle in the Agulhas Current, Geophysical Research Letters 39: L15607, doi: 10.1029/2012GL052335.
32. Kuyper, B.; Labuschagne, C.; Philibert, R.; Moyo, N.; Waldron, H.; Reason, C.; Palmer, C. 2012. Development of a simplified, cost effective GC-ECD methodology for the sensitive detection of bromoform in the troposphere. Sensors 12: 13583-13597.
33. Mackas, D.L.; Pepin, P.; Verheye, H. 2012. Interannual variability of marine zooplankton and their environments: within- and between-region comparisons Preface. Progress in Oceanography, Special Issue 97: 1-14, DOI:10.1016/j.pocean.2011.11.002, Published: MAY-JUL 2012
34. McIntyre, T.; Anson, I.J.; Bornemann, H.; Plotz, J.; Tosh, C.A.; Bester, M.N. 2012. Elephant seal foraging dives do indeed track prey distribution, but temperature influences the distribution of prey: Reply to Boersch-Supan et al. (2012). Marine Ecology-Progress Series 461: 299-303, DOI: 10.3354/meps09891, Published: 2012.
35. Moseley, C.; Gremillet, D.; Connan, M.; Ryan, P.G.; Mullers, R.H.E.; van der Lingen, C.D.; Miller, T.W.; Coetzee, J.C.; Crawford, R.J.M.; Sabarros, P.; McQuaid, C.D.; Pichegru, L. 2012. Foraging ecology and ecophysiology of Cape gannets from colonies in contrasting feeding environments. Journal of Experimental Marine Biology and Ecology 422: 29-38, DOI:10.1016/j.jembe.2012.04.002, Published: JUL 1 2012.

36. Philippon, N.; Rouault, M.; Richard, Y.; Favre, A. 2012. The influence of ENSO on winter rainfall in South Africa. *INTERNATIONAL JOURNAL OF CLIMATOLOGY* Volume: 32 Issue: 15 Pages: 2333-2347 DOI: 10.1002/joc.3403 Published: DEC 2012
37. Pillay, D.; Williams, C.; Whitfield, A.K. 2012. Indirect effects of bioturbation by the burrowing sandprawn *Callichirus kraussi* on a benthic foraging fish, *Liza richardsonii*. *Marine Ecology-Progress Series* 453: 151-158, DOI: 10.3354/meps09642, Published: 2012.
38. Pitcher, G.C. 2012. Harmful algae - the requirement for species-specific information. *Harmful Algae, Special Issue 14*: 1-4, DOI: 10.1016/j.hal.2011.10.011, Published: FEB 2012.
39. Reed, C.; MacKenzie, K.; van der Lingen, C.D. 2012. Parasites of South African sardines, *Sardinops sagax*, and an assessment of their potential as biological tags. *Bulletin of the European Association of Fish Pathologists* 32(2): 41-48, Published: 2012.
40. Rice, J.; Mokness, E.; Attwood, C.; Brown, S.K.; Dahle, G.; Gjerde, K.M.; Grefsrud, E.S.; Kenchington, R.; Kleiven, A.R.; McConney, P.; Ngoile, M.A.K.; Næsje, T.F.; Olsen, E.; Olsen, E.M.; Sanders, J.; Sharma, C.; Vestergaard, O.; Westlund, L. 2012. The role of MPAs in reconciling fisheries management with conservation of biological diversity. *Ocean and Coastal Management* Volume: 69 Pages: 217-230 DOI: 10.1016/j.ocecoaman.2012.08.001 Published: DEC 2012
41. Richard, Y.; Rouault, M.; Pohl, B.; Crétat, J.; Duclot, I.; Taboulot, S.; Reason, C.J.C.; Macron, C.; Buiron, D. 2012. Temperature changes in the mid- and high-latitudes of the Southern Hemisphere. *International Journal of Climatology*, doi: 10.1002/joc.3563.
42. Rouault, M.; Sen, S.; Robert, R.; Balling, C. 2012. The diurnal cycle of rainfall in South Africa in the austral summer. *International Journal of Climatology* DOI: 10.1002/joc.3451
43. Rouault, M. 2012. Bi-annual intrusion of tropical water in the northern Benguela upwelling. *GEOPHYSICAL RESEARCH LETTERS* Volume: 39 Article Number: L12606 DOI: 10.1029/2012GL052099 Published: JUN 23 2012
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46. Samaai, T.; Janson, L.; Kelly, M. 2012. New species of *Latrunculia* from the Agulhas shelf, South Africa, with designation of a type species for subgenus *Biannulata* (Demospongiae, Poecilosclerida, Latrunculiidae). *Zootaxa* 3395: 33-45, Published: JUL 23 2012.
47. Sherley, R.B.; Ludynia, K.; Underhill, L.G.; Jones, R.; Kemper, J. 2012. Storms and heat limit the nest success of Bank Cormorants: implications of future climate change for a surface-nesting seabird in southern Africa. *Journal of Ornithology* 153(2): 441-455, DOI: 10.1007/s10336-011-0760-8, Published: APR 2012.
48. Sherley, R.B.; Barham, B.J.; Barham, P.J.; Leshoro, T.M.; Underhill, L.G. 2012. Artificial nests enhance the breeding productivity of African Penguins (*Spheniscus demersus*) on Robben Island, South Africa. *Emu* 112(2): 97-106, DOI: 10.1071/MU11055, Published: 2012.
49. Solano-Fernández, S.; Attwood, C.G.; Chalmers, R.; Clark, B.M.; Cowley, P.D.; Fairweather, T.; Fennessy, S.T.; Götz, A.; Harrison, T.D.; Kerwath, S.E.; Lamberth, S.J.; Mann, B.Q.; Smale, M.J.; Swart, L. 2012. Assessment of the effectiveness of South Africa's marine protected areas at representing ichthyofaunal communities. *Environmental Conservation* 39(3): 259-270.
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51. Swart, S.; Thomalla, S.J.; Monteiro, P.M.S.; Ansorge, I.J. 2012. Mesoscale features and phytoplankton biomass at the Good Hope line in the Southern Ocean during austral summer. *AFRICAN JOURNAL OF MARINE SCIENCE* Volume: 34 Issue: 4 Pages: 511-524 DOI: 10.2989/1814232X.2012.749811 Published: 2012
52. Werner, T.; Huenerlage, K.; Verheyne, H.; Buchholz, F. 2012. Thermal constraints on the respiration and excretion rates of krill, *Euphausia hanseni* and *Nematoscelis megalops*, in the northern Benguela upwelling system off Namibia. *AFRICAN JOURNAL OF MARINE SCIENCE* Volume: 34 Issue: 3 Pages: 391-399 DOI: 10.2989/1814232X.2012.689620 Published: 2012
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54. Zeeman, Z.; Branch, G.M.; Peschak, T.P.; et al. 2012. Assessing the ecosystem effects of the abalone *Haliotis midae* from its diet and foraging behaviour. African Journal of Marine Science 34(2): 205-214, DOI: 10.2989/1814232X.2012.675119, Published: 2012.

Journal Articles In Press

1. Shin, Y-J.; Bundy, A.; Shannon, L.J.; Blanchard, J.L.; Chuenpagdee, R.; Coll, M.; Knight, B.; Lynam, C.; Piet, G.; Richardson, A.J.; the IndiSeas Working Group. 2012. Global in scope and regionally rich: an IndiSeas workshop helps shape the future of marine ecosystem indicators. Reviews in Fish Biology and Fisheries. **In press**, <http://dx.doi.org/10.1007/s11160-012-9252-z>. 22(3): 835-845.
2. BLAMEY, L.K., PLAGÁNYI, É.E. and G.M. BRANCH. **In press**. Modelling a regime shift in a kelp-forest ecosystem caused by a lobster range-expansion. Bulletin of Marine Science. **Publication 2013**.
3. BLAMEY, L.K., and G.M. BRANCH. **In press**. Regime shift of a kelp-forest benthic community induced by an 'invasion' of the rock lobster *Jasus lalandii*. Journal of Experimental Marine Biology and Ecology.

Chapters in Books

1. Atkinson, L.J.; Jarre, A.; Shannon, L.J.; J Field, J.G. 2012. Evidence for shifts in demersal fish populations on the west coast of South Africa: 1986 to 2009. In: G.H. Kruse, H.I. Browman, K.L. Cochrane, D. Evans, G.S. Jamieson, P.A. Livingston, D. Woodby, and C.I. Zhang (eds.), Global Progress in Ecosystem-Based Fisheries Management. Alaska Sea Grant, University of Alaska Fairbanks. doi:10.4027/gpebfm.2012.03.
2. Ansoorge I.J.; Froneman P.W. and Durgadoo J.V. 2012. The marine ecosystem of the sub-Antarctic, Prince Edward Islands. In: A Cruzado (ed), Marine Ecosystems. InTech, Croatia. ISBN: 9789535101765, (p. 61-76)
Forthcoming
3. Anderson, T.-A., K. Draper, G. Duggan, L. Green, A. Jarre, J. Rogerson, S. Ragaller, M. van Zyl. Conservation conversations: improving the dialogue between fishers and fisheries science along the Benguela coast: reflections from a seven-site study. Chapter 8 In L.F. Green and H.R. Verran (Eds): Contested Ecologies: Local theory and vulnerable dialogues. HSRC, South Africa. **Accepted for publication, December 2011.**
4. Paterson, B., M. van Zyl, A. Jarre, L. Green. Where have all the fish gone? Science, Fishers' knowledge and the question of recovery in the Namibian Industry. Hunting & Making Africa-Centred Knowledge: Theories and Cases. Programme for the Enhancement of Research Capacity, UCT. **Accepted for publication, November 2011.**

Conference Papers in Peer-Reviewed Conference Proceedings

1. Roux, J.-P., van der Lingen, C., Gibbons, M.J., Moroff, N.E., Shannon, L.J., Smith, A.D.M. and Cury, P.M. 2012. Jellyfication of marine ecosystems as a likely consequence of overfishing small pelagic fish: Lessons from the Benguela. Proceedings of the Eighth Mote International Symposium, Bulletin of Marine Science. **In press.**