

PUBLICATION LIST – 2014

BOOKS, BOOK CHAPTERS AND PROCEEDINGS

1. Bastos, A.D.S., Fasina, F.O. & King, D.P. 2014. African Swine Fever Virus. In: *Manual of Security Sensitive Microbes and Toxins*, Ed. D. Liu, Chapter 50, pp. 579-587. Taylor & Francis CRC Press
2. Hepburn, R., Pirk, C.W.W. & Duangphakdee, O. 2014. *Honeybee Nests: Composition, Structure, Function*. 389 pp, Springer.
3. Kock, R., Kock, M., de Garine-Wichatitsky, M., Chardonnet, P. & Caron, A. 2014. Livestock and buffalo (*Syncerus caffer*) interfaces in Africa: ecology of disease transmission and implications for conservation and development. Chapter 26, 431-445 In: *Ecology, Evolution and Behaviour of Wild Cattle: Implications for Conservation*, ed. M. Melletti and J. Burton. Published by Cambridge University Press.
4. Shabangu, F.W. and Findlay, K. 2014. Passive acoustic monitoring of marine mammals in South Africa, with special reference to Antarctic blue whales. In: Lysko, M., Maredi, I., Claassen, M. and Funke, N. (eds) *The state of the art of current marine and maritime research and technology in South Africa*. CSIR, Pretoria.
5. Van Aarde, R.J., Guldemond, R.A.R. & Olivier, P.I. 2014. Biodiversity status of dune forests in South Africa. In: *Coastal Conservation*. (Ed. By B. Maslo and J.O. Lockwood), pp 161-179. Cambridge University Press, Cambridge, UK.
6. Weldon, C.W., Schutze, M. K. and Karsten, M. 2014. Trapping to monitor tephritid movement: results, best practice and assessment of alternatives. Chapter 6 In: Shelly, T. E., Epsky, N., Jang, E., Reyes, J. and Vargas, R. (eds.), *Trapping and the Detection, Control, and Regulation of Tephritid Fruit Flies*. Springer Dordrecht, Heidelberg, pp. 175-217.

ARTICLES

1. Alagaili, A.N., Mohammed, O.B., Bennett, N.C. & Oosthuizen, M.K. 2014. Now you see me, now you don't: The locomotory activity rhythm of the Asian garden dormouse (*Eliomys melanurus*) from Saudi Arabia. *Mammalian Biology* **79**, 195-201.
2. Alagaili, A.N., Mohammed, O.B., Bennett, N.C. & Oosthuizen, M.K. 2014. Down in the Wadi: The locomotory activity rhythm of the Arabian spiny mouse, *Acomys dimidiatus* from the Arabian Peninsula. *Journal of Arid Environments* **102**, 50-57.
3. Albers-Wolthers, C.H., De Gier, J., Kooistra, H.S., Rutten, V.P., van Kooten, P.J., de Graaf, J.J., Leegwater, P.A., Millar, R.P., Schaeffers-Okkens, A.C. 2014. Identification of a novel

kisspeptin with high gonadotropin stimulatory activity in the dog. *Neuroendocrinology* **99**(3-4), 178-189.

4. Amrein, I., Becker, A.S., Engler, S., Huang, S., Slominanka, L. & Oosthuizen, M.K. 2014. Adult neurogenesis and its anatomical context in the hippocampus of three mole-rat species. *Frontiers in Neuroanatomy* 8:39 doi: 10.3389/fnana.2014.00039 (online journal)
5. Anderson, R.C., Newton, C.L., Millar, R.P. & Katz, A.A. 2014. The *Brugia malayi* neuropeptide receptor-4 is activated by FMRFamide-like peptides and signals via Gai. *Molecular & biochemical Parasitology* **195**(1), 54-58.
6. Archer, C.R., Köhler, A., Pirk, C.W.W., Oosthuizen, V., Apostolides, Z. & Nicolson, S.W. 2014. Antioxidant supplementation can reduce the survival costs of excess amino acid intake in honeybees. *Journal of Insect Physiology* **71**, 78-86.
7. Archer, C.R., Pirk, C.W.W., Wright, G.A. & Nicolson, S.W. 2014. Nutrition affects survival in African honeybees exposed to interacting stressors. *Functional Ecology* **28**, 913-923.
8. Archer, C.R., Pirk, C.W.W., Carvalho, L.G. & Nicolson, S.W. 2014. Economic and ecological implications of geographic bias in pollinator ecology in the light of pollinator declines. *Oikos* **123**, 401-407.
9. Archer, E.K., Bennett, N.C., Ueckermann, E.A. & Lutermann, H. 2014. Ectoparasite burdens of the common mole-rat (*Cryptomys hottentotus hottentotus*) from the Cape provinces of South Africa. *Journal of Parasitology* **100**(1), 79-84.
10. Atkinson, J. T., Ismail, R. & Robertson, M.P. 2014. Mapping bugweed (*Solanum mauritianum*) infestations in *Pinus patula* plantations using hyperspectral imagery and Support Vector Machines. *Journal of Selected Topics in Applied Earth Observations and Remote Sensing* **7**: 17-28.
11. Aurori, C.M., Buttstedt, A., Desmirean, D.S., Marghitas, L.A., Moritz, R.F.A. & Erler, S. 2014. What is the main driver of aging in long-lived winter honeybees: antioxidant enzymes, innate immunity, or vitellogenin? *Journals of Gerontology Series A – Biological Sciences and Medical Sciences* **69**(6), 633-639.
12. Balme, G.A., Lindsey, P.A., Swanepoel, L.H. & Hunter, L.T.B. 2014. Failure of research to address the rangewide conservation needs of large carnivores: leopards in South Africa as a case study. *Conservation Letters* **7**(1): 3-11
13. Barendse, J. & Best, P.B. 2014. Shore-based observations of seasonality, movements, and group behavior of southern right whales in a non-nursery area on the South African west coast. *Marine Mammal Science* **30**(4), 1358-1382.
14. Barth, M., Moritz, R.F.A. & Kraus, F. 2014. The evolution of extreme polyandry in social insects: Insights from army ants. *Plos One* **9**(8), 5 pages.

15. Behrens, D. & Moritz, R.F.A. 2014. QTL-mapping of individual resistance against American foulbrood in haploid honeybee drone larvae (*Apis mellifera*). *Apidologie* **45**, 409-417.
16. Best, P.B., Meyer, M.A., Thornton, M., Kotze, P.G.H., Seakamela, S.M., Hofmeyr, G.J.G., Wintner, S., Weland, C.D. & Steinke, D. 2014. Confirmation of the occurrence of a second killer whale morphotype in South African waters. *African Journal of Marine Science* **36**(2), 215-224.
17. Best, P.B., Smale, M.J., Glass, J., Kerian, K. & von der Heyden, S. 2014. Identification of stomach contents from a Shepherd's beaked whale *Tasmacetus shepherdi* stranded on Tristan da Cunha, south Atlantic. *Journal of the Marine Biological Association UK* **94**(6), 1093-1097.
18. Bester, M.N., Ryan, P.G., Bester, W.A. & Glass, T. 2014. Vagrant Antarctic fur seals at the Tristan da Cunha Islands. *Polar Biology* **37**, 1701-1703.
19. Bezabih, G., Adgaba, N., Pirk, C.W.W. & Hepburn, H.R. 2014. The territorial invasion of *Apis florea* in Africa. *African Entomology* **22**(4), 888-890.
20. Bishop, T., Robertson, M.P., van Rensburg, B.J., Parr, C.L. 2014. Elevation-diversity patterns through space and time: ant communities of the Maloti-Drakensberg Mountains of southern Africa. *Journal of Biogeography* **41**: 2256-2268.
21. Blanchet, M-A., Lydersen, C., Biuw, M., de Bruyn, P.J.N., Hofmeyr, G.J.G., Krafft, B.A. & Kovacs, K.M. 2014. Instrumentation and handling effects on Antarctic fur seals (*Arcotcephalus gazella*). *Polar Research* **33**, 21630, 10 pages
22. Boshoff, C.I., Bastos, A.D.S., Dube, M.M. & Heath, L. 2014. First molecular assessment of the African swine fever virus status of *Ornithodoros* ticks from Swaziland. *Onderstepoort Journal of Veterinary Research* **81**(1), Art. #846, 5 pages.
23. Bray, T.C. 2014. Spatial genetic pattern in an economically beneficial insect, the cyclical African wild silk moth (*Gonometa postica*). *African Zoology* **49**(1), 94-106.
24. Bray, T.C., Alagaili, A.N. & Bennett, N.C. 2014. A widespread problem: cryptic diversity in the Libyan jird. *Zoological Studies* **53**, 33, 8 pages.
25. Brito, D., Brito, A., Scalercio, S., Percario, S., Miranda, M., Rocha, R., Diniz, J., Oskam I., Van den Hurk, R., Paris, M., Domingues, S., & Santos, R. 2014. Vitamin-E-analog trolox prevent endoplasmic reticulum stress in frozen-thawed ovarian tissue of capuchin monkey (*Sapajus paella*). *Cell and Tissue Research* **355**, 471-480.
26. Buttstedt, A., Moritz, R.F.A. & Erler, S. 2014. Origin and function of the major royal jelly proteins of the honeybee (*Apis mellifera*) as members of the yellow gene family. *Biological Reviews* **89**, 255-269.
27. Canning, G., Reilly, B.K. & Dippenaar-Schoeman, A.S. 2014. Burrow structure and microhabitat characteristics of *Nesiergus insulanus* (Araneae: Theraphosidae) from Fregate Island, Seychelles. *Journal of Arachnology* **42**(3), 293-298.

28. Canning, G., Reilly, B.K. & Dippenaar-Schoeman, A.S. 2014. The distribution and population status of *Nesiergus insulanus* (Araneae: Theraphosidae: Ischnocolinae) on Fregate Island, Seychelles. *Arachnology* **16**(4), 116-121.
29. Caron, A., Grosbois, V., Etter, E., Gaidet, N. & De Garine-Wichatitsky, M. 2014. Bridge hosts for avian influenza viruses at the wildlife/domestic interface: An eco-epidemiological framework implemented in southern Africa. *Preventive Veterinary Medicine* **117**, 590-600.
30. Carvalho, I., Loo, J., Collins, T., Barendse, J., Pomilla, C., Leslie, M.S., Nguouessono, S., Best, P.B. & Rosenbaum, H.C. 2014. Does temporal and spatial segregation explain the complex population structure of humpback whales on the coast of West Africa? *Marine Biology* **161**, 805-819.
31. Chawana, R., Alagaili, A., Patzke, N., Spocter, M.A., Mohammed, O.B., Kaswera, C., Gilissen, E., Bennett, N.C., Ihunwo, A.O. & Manger, P.R. 2014. Microbats appear to have adult hippocampal neurogenesis, but post-capture stress causes a rapid decline in the number of neurons expressing doublecortin. *Neuroscience* **277**, 724-733.
32. Dabrowski, J., Hall, G., Lübcker, N., Oberholster, P.J., Phillips, D.L. & Woodborne, S. 2014. Piscivory does not cause pansteatitis (yellow fat disease) in *Oreochromis mossambicus* from an African subtropical reservoir. *Freshwater Biology* **59**, 1484-1496
33. Dalerum, F. 2014. Identifying the role of conservation biology for solving the environmental crisis. *Ambio* **43**, 839-846.
34. Darkey, D. & Turatsinze, R.H.J. 2014. Artisanal fishing in Beira, Central Mozambique. *Journal of Human Ecology* **47**, 317-328.
35. Davies, A.B., Levick, S.R., Asner, G.P., Robertson, M.P., van Rensburg, B.J. & Parr, C.L. 2014. Spatial variability and abiotic determinants of termite mounds throughout a savanna catchment. *Ecography* **37**, 852-862.
36. Davies, A.B., Robertson, M.P., Levick, S.R., Asner, G.P., van Rensburg, B.J. & Parr, C.L. 2014. Variable effects of termite mounds on African savanna grass communities across a rainfall gradient. *Journal of Vegetation Science* **25**, 1405-1416.
37. Davies, K.T.J., Tsagkogeorga, G., Bennett, N.C., Davalos, L.M., Faulkes, C.G. & Rossiter, S.J. 2014. Molecular evolution of growth hormone and insulin-like growth factor 1 receptors in long-lived, small-bodied mammals. *Gene* **549**, 228-236.
38. Davis, A.L.V., Swemmer, A.M., Scholtz, C.H., Deschodt, C.M. & Tshikae, B.P. 2014. Roles of environmental variables and land usage as drivers of dung beetle assemblage structure in mopane woodland. *Austral Ecology* **39**, 313-327.
39. Davis, R.W., David, J.H.M., Meyer, M.A., Sekiguchi, K., Best, P.B., Dassis, M. & Rodriguez, D.H. 2014. Home range and diving behavior of Heaviside's dolphins monitored by satellite off the west coast of South Africa. *African Journal of Marine Science* **36**(4), 455-466.

40. De Bruin, P.R., Medger, K., Bennett, N.C. & Ganswindt, A. 2014. Assessment of reproductive function in southern African spiny mice (*Acomys spinosissimus*) using faeces as hormone matrix. *African Zoology* **49**(1), 44-53.
41. De Bruin, P.R., Ganswindt, A., Bennett, N.C. & Medger, K. 2014. The pattern of ovulation in the southern African spiny mouse (*Acomys spinosissimus*). *Mammalian Biology* **79**, 318-324.
42. De Flamingh, A., Sole, C.L. & van Aarde, R.J. 2014. Microsatellite repeat motif and amplicon length affect amplification success of degraded faecal DNA. *Conservation Genet Resour* **6**, 503-505.
43. Dittrich-Schröder, G., Harney, M., Neser, S., Joffe, T., Bush, S., Hurley, B.P., Wingfield, M.J. & Slippers, B. 2014. Biology and host preference of *Selitrichodes neseri*: A potential biological control agent of the Eucalyptus gall wasp, *Leptocybe invasa*. *Biological Control* **78**, 33-41.
44. Donaldson, J., Hui, C., Richardson, D.M., Robertson, M.P., Webber, B.L., Wilson, J.R.U. 2014. Invasion trajectory of alien trees: the role of introduction pathway and planting history. *Global Change Biology* **20**: 1527-1537.
45. Elwen, S.H., Tonachella, N., Barendse, J., Collins, T., Best, P.B., Rosenbum, H.C., Leeney, R.H. & Gridley, T. 2014. Humpback whales off Namibia: occurrence, seasonality, and a regional comparison of photographic catalogs and scarring. *Journal of Mammalogy* **95**(5), 1064-1076.
46. English, S., Bateman, A., Mares, R., Ozgul, A. & Clutton-Brock, T. 2014. Maternal, social and abiotic environment effects on growth vary across life stages in a cooperative mammal. *Journal of Animal Ecology* **83**, 332-342.
47. Erler, S., Denner, A., Bobis, O., Forsgren, E. & Moritz, R.F.A. 2014. Diversity of honey stores and their impact on pathogenic bacteria of the honeybee, *Apis mellifera*. *Ecology and Evolution* **20**(4), 3960-3967
48. Fagir, D.M., Ueckermann, E.A., Horak, I.G., Bennett, N.C. & Lutermann, H. 2014. The Namaqua rock mouse (*Micaelamys namaquensis*) as a potential reservoir and host of arthropod vectors of diseases of medical and veterinary importance in South Africa. *Parasites & Vectors* **7**, 366 11 pages
49. Faulkner, K.T., Robertson, M.P., Rouget, M. & Wilson J.R.U. 2014. A simple, rapid methodology for developing invasive species watch lists. *Biological Conservation* **179**, 25-32.
50. Ferreira, I.M., Kasuya, T., Marsh, H. & Best, P.B. 2014. False killer whales (*Pseudorca crassidens*) from Japan and South Africa: Differences in growth and reproduction. *Marine Mammal Science* **30**(1), 64-84.
51. Fourie, H. E., Thirion, C. and Weldon, C. W. (2014). Do SASS5 scores vary with season in the South African Highveld? A case study on the Skeerpoort River, North West province, South Africa. *African Journal of Aquatic Science* **39**(4), 369-376.

52. Francis, V.A., Abera, A.B., Matjila, M., Millar, R.P., Katz, A.A. 2014. Kisspeptin regulation of genes involved in cell invasion and angiogenesis in first trimester human trophoblast cells. *Plos One* **9**(6), e99680, 10 pages.
53. Ganswindt, S.B., Myburgh, J.G., Cameron, E.Z., & Ganswindt, A. 2014. Non-invasive assessment of adrenocortical function in captive Nile crocodiles (*Crocodylus niloticus*). *Comparative Biochemistry and Physiology A – Molecular & Integrative Physiology* **177**, 11-17.
54. Garnas, J., Groden, E. & Drummond, F.A. 2014. Mechanisms of competitive displacement of native ant fauna by invading *Myrmica rubra* (Hymenoptera: Formicidae) populations. *Environ Entomol* **43**(6), 1496-1506.
55. Gerson, A.R., Smith, E.K., Smit, B., McKechnie, A.E. & Wolf, B.O. 2014. The impact of humidity on evaporative cooling in small desert birds exposed to high air temperatures. *Physiological and Biochemical Zoology* **87**(6), 782-795.
56. Ghebremariam, T.T., Krüger, K. & Reinhardt, C.F. 2014. Biology of *Conchyloctenia* hybrid (Coleoptera: Chrysomelidae: Cassidinae) on *Solanum campylacanthum* subsp. *panduriforme*. *Annals of the Entomological Society of America* **107**(4), 818-825.
57. Ghebremariam, T.T., Krüger, K., Reinhardt, C.F. & Robbertse, P.J. 2014. Abiotically-induced plant morphological changes and host-expansion in quarantine evaluations of candidate weed biocontrol agents: the case study *Conchyloctenia hybrida* Boheman (Coleoptera: Chrysomelidae). *Environmental Entomology* **43**: 1286-1294.
58. Gherman, B.I., Denner, A., Bobis, O., Dezmirean, D.S., Marghitas, L.A., Schlüns, Moritz, R.F.A. & Erler, S. 2014. Pathogen-associated self-medication behavior in the honeybee *Apis mellifera*. *Behav Ecol Sociobiol* **68**, 1777-1784
59. Gore, A.C., Balthazart, J., Bikle, D., Carpenter, D.O., Crews, D., Czernichow, P., Diamanti-Kandarakis, E., Dores, R.M., Grattan, D., Hof, P.R., Hollenberg, A.N., Lange, C., Lee, A.V., Levine, J.E., Millar, R.P. 2014. Reprint of: Policy decision on endocrine disruptors should be based on science across disciplines: A response to Dietrich, *et al.* *Front. Neuroendocrinology* **35**(1), 2-5.
60. Grachev, P., Li, X.F., Hu, M.H., Li, S.Y., Millar, R.P., Lightman, S.L. & O'Byrne, K.T. 2014. Neurokinin B signaling in the female rat: a novel link between stress and reproduction. *Endocrinology* **155**(7), 2589-2601.
61. Grachev, P., Millar, R.P. & O'Byrne, K.T. 2014. The role of neurokinin B signaling in reproductive neuroendocrinology. *Neuroendocrinology* **99**, 7-17.
62. Gridley, T., Cockcroft, V.C., Hawkins, E.R., Lemon Blewitt, M., Morisaka, T. & Janik, V.M. 2014. Signature whistle identification in free ranging populations of Indo-Pacific bottlenose dolphins, *Tursiops aduncus*. *Marine Mammal Science* **30**(2), 512-527

63. Habel, J.C., Eggermont, H., Günter, S., Mulwa, R.K., Rieckmann, M., Pin Koh, L., Niassy, S., Ferguson, J.W.H., gebremichael, G., Githiru, M., Weisser, W.W. & Lens, L. 2014. Towards more equal footing in north-south biodiversity research: European and sub-Saharan viewpoints. *Biodiversity and Conservation* **23**(12), 3143-3148.
64. Hall, G., Wadley, L. & Woodborne, S. 2014. Past environmental proxies from the Middle Stone Age at Sibudu, KwaZulu Natal, South Africa. *Journal of African Archaeology* **12**(1), 7-24.
65. Harrison, J. du G. 2014. A morphological analysis of the subtribe *Pegylina* Lacroix, 1989 (Scarabaeidae: Melolonthinae: Melolonthini) reconstitutes its generic composition. *African Entomology* **22**(4), 726-741.
66. Harrison, J. du G. 2014. Review of the South African species of *Pegylis* Erichson, 1847 (Coleoptera: Scarabaeidae: Melolonthinae) commonly known as large wattle chafers. *African Entomology* **22**(4), 685-713.
67. Havemann, C.P., Retief, T.A., Collins, K., Fynn, R.W.S. & de Bruyn, P.J.N. 2014. First record of roan antelope (*Hippotragus equinus*) feeding on the fruits of the sausage tree (*Kigelia africana*). *African Journal of Ecology* **52**, 568-570.
68. Hita Garcia, F., Hawkes, P.G. & Alpert, G.D. 2014. Taxonomy of the ant genus *Proceratium* Roger (Hymenoptera, Formicidae) in the Afrotropical region with a revision of the *P. arnoldi* clade and description of four new species. *ZooKeys* **447**, 47-86.
69. Honiball Lewis, A.S. & Dippenaar-Schoeman, A.S. 2014. Revision of the spider genus *Mystaria* Simon, 1895 (Araneae: Thomisidae) and the description of a new genus from the Afrotropical region. *Zootaxa* **3873**(2), 101-144.
70. Hrabar, H. & du Toit, J.T. 2014. Interactions between megaherbivores and microherbivores: elephant browsing reduces host plant quality for caterpillars. *Ecosphere* **5**(1), 1-6.
71. Huang, Q., Kryger, P., Le Conte, Y., Lattorff, G., Kraus, F. & Moritz, R.F.A. 2014. Four quantitative trait loci associated with low *Nosema ceranae* (Microsporidia) spore load in the honeybee *Apis mellifera*. *Apidologie* **45**, 248-256.
72. Huang, Q., Lattorff, H.M.G., Kryger, P., Le Conte, Y. & Moritz, R.F.A. 2014. A selective sweep in a microsporidian parasite *Nosema*-tolerant honeybee population, *Apis mellifera*. *Animal Genetics* **45**(2), 267-273.
73. Human, H., Archer, C.R., du Rand, E.E., Pirk, C.W.W. & Nicolson, S.W. 2014. Resistance of developing honeybee larvae during chronic exposure to dietary nicotine. *Journal of Insect Physiology* **69**, 74-79.
74. Hurst, Z., McCleery, R., Collier, B., Silvy, N., Taylor, P. & Monadjem, A. 2014. Linking changes in small mammal communities to ecosystem functions in an agricultural landscape. *Mammalian Biology* **79**, 17-23.

75. Jackson, M.C., Jones, T., Milligan, M., Sheath, D., Taylor, J., Ellis, A., England, . & Grey, J. 2014. Niche differentiation among invasive crayfish and their impacts on ecosystem structure and functioning. *Freshwater Biology* **59**, 1123-1135.
76. Jacobs, P.J. & McKechnie, A.E. 2014. Experimental sources of variation in avian energetics: estimated basal metabolic rate decreases with successive measurements. *Physiological and Biochemical Zoology* **87**(5), 762-769.
77. Jewell, O.J.D., Wcisel, M.A., Towner, A.V., Chivell, W., van der Merwe, L. & Bester, M.N. 2014. Core habitat use of an apex predator in a complex marine landscape. *Marine Ecology Progress Series* **506**, 231-242.
78. Jori, F., Godfroid, J., Michel, A.L., Pots, A.D., Jaumally, M.R., Sauzier, J. & Roger, M. 2014. An assessment of Zoonotic and Production Limiting Pathogens in Rusa Deer (*Cervus timorensis rusa*) from Mauritius. *Transboundary and Emerging Diseases* **61** (Suppl. 1), 31-42
79. Kabuuka, T., Kasaija, P.D., Mulindwa, H., Shittu, A., Bastos, A.D.S. & Fasina, F.O. 2014. Drivers and risk factors for circulating African swine fever virus in Uganda, 2012-2013. *Research in Veterinary Science*
80. **97**, 218-225.
81. Kalwij, J.M., Robertson, M.P., Ronk, A., Zobel, M. Pärtel, M. 2014. Spatially explicit estimation of data quality in large-scale species distribution datasets. *PlosOne* 9(1): e85306.
82. Karampelas, T., Argyros, O., Sayyad, N., Spyridaki, K., Pappas, C., Morgan, K., Kolios, G., Millar, R.P., Liapakis, G., Tzacos, A.G., Fokas, D. & Tamvakopoulos, C. 2014. GnRH-Gemcitabine conjugates for the treatment of androgen-independent prostate cancer: pharmacokinetic enhancements combined with targeted drug delivery. *Bioconjugate Chemistry* **25**(4), 813-823.
83. Katandukila, J.V., Chimimba, C.T., Bennett, N.C., Makundi, R., Le Comber, S.C. & Faulkes, C.G. 2014. Sweeping the house clean. *Journal of Zoology, London* **293**, 271-280
84. Kriesell, H.J., Elwen, S.H., Nastasi, A. & Gridley, T. 2014. Identification and characteristics of signature whistles in wild bottlenose dolphins (*Tursiops truncatus*) from Namibia. *Plos One* **9**(9), e106317, 13 pages.
85. Lantschner, M. V., Villacide, J.M., Garnas, J., Croft, P., Carnegie, A.J., Liebhold, A.M. & Corley, J.C. 2014. Temperature explains variable spread rates of the invasive woodwasp *Sirex noctilio* in the Southern Hemisphere. *Biological Invasions* **16**, 329-339.
86. Le Roux, A., Beishuizen, R., Brekelmans, W., Ganswindt, A., Paris, M. & Dalerum, E. 2014. Innovative parental care in a myrmecophagous mammal. *Acta Ethol* **17**, 63-66.
87. Lindsey, P.A., Nyirenda, V.R., Barnes, J.I., Becker, M.S., McRobb, R., Tambling, C.J., Taylor, W.A., Watson, F.G. & t'Sas-Rolfes, M. 2014. Underperformance of African Protected Area Networks and the case for new conservation models: Insights from Zambia. *Plos One* **9**(5), e94109, 14 pages.
88. Lowther, A.d., Lydersen, C., Biuw, M., de Bruyn, P.J.N., Hofmeyr, G.J.G. & Kovacs, K.M. 2014. Post-breeding at-sea movements of three central-place foragers in relation to submesoscale fronts in the Southern Ocean around Bouvetoya. *Antarctic Science* **26**(5), 533-544.

89. Lubcker, N., Zengeya, T.A., Dabrowski, J. & Robertson, M.P. 2014. Predicting the potential distribution of invasive silver carp *Hypophthalmichthys molitrix* in South Africa. *African Journal of Aquatic Science* **39**(2), 165.
90. Lutermann, H., Cameron, E.Z., Raihani, N.J. & Bennett, N.C. 2014. Sex ratio variation in a eusocial mammal, the Damaraland mole-rat, *Fukomys damarensis*. *Journal of Zoology* **294**, 139-145.
91. Lutermann, H., Medger, K. & Junker, K. 2014. Endoparasites of the spiny mouse (*Acomys spinosissimus*) from South Africa. *Journal of Parasitology* **100**(1), 144-146.
92. Marlin, D., Nicolson, S.W., Yusuf, A.A., Stevenson, P.C., Heyman, H.M. & Krüger, K. 2014. The only African wild tobacco, *Nicotiana africana*: alkaloid content and the effect of herbivory. *Plos One* Vol. **9**(7), e102661, 10 pages.
93. McIntyre, T. 2014. Trends in tagging of marine mammals: a review of marine mammal biologing studies. *African Journal of Marine Science* **36**(4), 409-422.
94. McIntyre, T., Bornemann, H., de Bruyn, P.J.N., Reisinger, R.R., Steinhage, D., Marquez, M.E.I., Bester, M.N. & Plötz, J. 2014. Environmental influences on the at-sea behaviour of a major consumer, *Mirounga leonina*, in a rapidly changing environment. *Polar Research* **33**, 23808, 18 pages.
95. McKechnie, A.E. 2014. The ecology and evolution and mammalian heterothermy in a changing world. *Journal of Zoology* **292**, 71-73.
96. Miguel, E., Boulinier, T., de Garine-Wichatitsky, M., Caron, A., Fritz, H. & Grosbois, V. 2014. Characterising African tick communities at a wild-domestic interface using repeated sampling protocols and models. *Acta Tropica* **138**, 5-14.
97. Millar, R.P. 2014. New developments in kisspeptin, neurokinin B and dynorphin A regulation of gonadotropin-releasing hormone pulsatile secretion. *Neuroendocrinology* **99**(1), 5-6.
98. Millar, R.P. 2014. Identification of genuine/authentic leptin: some answers and more questions. *Endocrinology* **155**(9), 3203-3205.
99. Minnaar, I.A., Bennett, N.C., Chimimba, C.T. & McKechnie, A.E. 2014. Summit metabolism and metabolic expansibility in Wahlberg's epauletted fruit bats (*Epomophorus wahlbergi*): seasonal acclimatisation and effects of captivity. *The Journal of Experimental Biology* **217**, 1363-1369.
100. Minnaar, I.A., Bennett, N.C., Chimimba, C.T. & McKechnie, A.E. 2014. Partitioning of evaporative water loss into respiratory and cutaneous pathways in Wahlberg's epauletted fruit bats (*Epomophorus wahlbergi*). *Physiological and Biochemical Zoology* **87**(3), 475-485.
101. Miranda, M., Dalerum, F. & Parrini, F. 2014. Interaction patterns within a multi-herbivore assemblage derived from stable isotopes. *Ecological Complexity* **20**, 51-60.
102. Mlambo, S., Sole, C.L. & Scholtz, C.H. 2013. Affinities of the Canthonini dung beetles of the Eastern Arc Mountains. *Organisms Diversity and Evolution* **14**, 115-120.
103. Monadjem, A., Wolter, K., Naser, W. & Kane, A. 2014. Effect of rehabilitation on survival rates of endangered Cape vultures. *Animal Conservation* **17**, 52-60.
104. Morkel, C. & Jacobs, D.H. 2014. New records of stilt bugs (Insecta, Heteroptera, Berytidae) from the Afrotropical region, with distributional and ecological notes. *Andrias* **20**, 153-173.
105. Motloung, R., Robertson, M.P., Rouget, M. & Wilson, J.R.U. 2014. Forestry trial data can be used to evaluate climate-based species distribution models in predicting tree invasions. *Neobiota* **20**, 31-48.
106. Moura, A., Janse van Rensburg, C.K., Pilot, M., Tehrani, A., Best, P., Thornton, M., Plön, S., de Bruyn, N., Worley, K., Gibbs, R., Dahlheim, M. & Hoelzel, A.R. 2014. Killer whale nuclear

genome and mtDNA reveals widespread population bottleneck during the last glacial maximum. *Molecular Biology and Evolution* **31**, 1121-1131.

107. Moura, A.E., Kenny, J.G., Chaudhuri, R., Hughes, M.A., Welch, A.J., Reisinger, R.R., de Bruyn, P.J.N., Dahlheim, M.E., Hall, N. & Hoelzel, A.R. 2014. Population genomics of the killer whale indicates ecotype evolution in sympatry involving both selection and drift. *Molecular Ecology* **23**, 5179-5192.
108. Muller, L., Krüger, K. & Kfir, R. 2014. First report of the aphid parasitoid *Aphidius ervi* Haliday (Hymenoptera, Braconidae, Aphidiinae) from South Africa. *African Entomology* **22**(1), 214-215.
109. Munro, K.I., Thrippleton, M.J., Williams, A.R., McKillop, G., Walker, J., Horne, A.W., Newby, D.E., Anderson, R.A., Semple, S.I., Marshall, I., Lewis, S.C., Millar, R.P., Bastin, M.E. & Critchley, H.O. 2014. Quantitative serial MRI of the treated fibroid uterus. *Plos One* **9**(3), e89809, 9 pages.
110. Nel, E., Kelly, J. & Dippenaar-Schoeman, A. 2014. Notes on the biology of the wasp, *Chalybion spinolae* (Hymenoptera: Sphecidae), an obligatory predator of *Latrodectus* (Araneae: Theridiidae) spiders in South Africa. *Journal of Natural History* **48**(25-26), 1585-1593.
111. Neves, K., Ferreira, F.M., Tovar-Moll, F., Gravett, N., Bennett, N.C., Kaswera, C., Gilissen, E., Manger, P.R. & Herculano-Houzel, S. 2014. Cellular scaling rules for the brain of afrotherians. *Frontiers in Neuroanatomy* **8**(5), 1-13.
112. Nicolson, S.W. & Fleming, P.A. 2014. Drinking problems on a 'simple' diet: physiological convergence in nectar-feeding birds. *The Journal of Experimental Biology* **217**, 1015-1023.
113. Olivier, P.I. & van Aarde, R.J. 2014. Multi-scale sampling boosts inferences from beta diversity patterns in coastal forests of South Africa. *Journal of Biogeography* **41**, 1428-1439.
114. Ott, T. & van Aarde, R.J. 2013. Coastal dune topography as a determinant of abiotic conditions and biological community restoration in northern Kwazulu-Natal, South Africa. *Landscape and Ecological Engineering* **10**, 17-28.
115. Owino, E.A., Sang, R., Sole, C.L., Pirk, C., Mbogo, C. & Torto, B. 2014. Field evaluation of natural human odours and the biogent-synthetic lure in trapping *Aedes aegypti*, vector of dengue and chikungunya viruses in Kenya. *Parasites & Vectors* **7**, 451, 9 pages.
116. Paoli, P.P., Donley, D., Stabler, D., Saseendranath, A., Nicolson, S.W., Simpson, S.J. & Wright, G.A. 2014. Nutritional balance of essential amino acids and carbohydrates of the adult worker honeybee depends on age. *Amino Acids* **46**, 1449-1458.
117. Paris, M., Brito, D., Brito, A., Scalercio, S., Percario, S., Miranda, M., Rocha, R., Diniz, J., Oskam, I., Van den Hurk, R. & Domingues, S. 2014. Vitamin E-analog Trolox prevents endoplasmic reticulum stress in frozen-thawed ovarian tissue of capuchin monkey (*Sapajus paella*). *Cell and Tissue Research* **355**, 471-480.

118. Patzke, N., LeRoy, A., Ngubane, N.W., Bennett, N.C., Medger, K., Gravett, N., Kaswera-Kyamakya, C., Gilissen, E., Chawana, R. & Manger, P.R. 2014. The distribution of doublecortin-immunopositive cells in the brains of four Afrotherian mammals: the Hottentot golden mole (*Amblysomus hottentotus*), the rock hyrax (*Procavia capensis*), the Eastern rock sengi (*Elephantulus myurus*) and the Four-toed sengi (*Petrodromus tetradactylus*). *Brain, Behavior and Evolution* **84**, 227-241.
119. Perissinotto, R., Sipek, P. & Ball, J.B. 2014. Description of adult and third instar larva of *Trichostetha curlei* sp. N. (Coleoptera, Scarabaeidae, Cetoniinae) from the Cape region of South Africa. *ZooKeys* 428, 41-56.
120. Pietersen, D.W. 2014. New distribution records of herpetofauna in Mozambique south of the Zambezi River, including records from Parque Nacional de Banhine. *Annals of the Ditsong National Museum of Natural History* **4**, 174-180.
121. Pietersen, D.W., McKechnie, A.E. & Jansen, R. 2014. A review of the anthropogenic threats faced by Temminck's ground pangolin, *Smutsia temminckii*, in southern Africa. *South African Journal of Wildlife Research* **44**(2), 167-178.
122. Pietersen, D.W., McKechnie, A.E. & Jansen, R. 2014. Home range, habitat selection and activity patterns of an arid-zone population of Temminck's ground pangolins, *Smutsia temminckii*. *African Zoology* **49**(2), 265-276.
123. Pirk, C.W.W., Human, H., Crewe, R.M. & vanEngelsdorp, D. 2014. A survey of managed honey bee colony losses in the Republic of South Africa – 2009 to 2011. *Journal of Apicultural Research* **53**(1), 35-42.
124. Pomilla C., Amaral, A.R., Collins, T., Minton, G., Findlay K., Leslie, M.S., Ponnampalam, L., Baldwin, R. & Rosenbaum, H. 2014. The World's Most Isolated and Distinct Whale Population? Humpback Whales of the Arabian Sea. *PLoS ONE* 9(12): e114162. 22 pages.
125. Popovics, P., Lu, J., Nadia Kamil, L., Morgan, K., Millar, R.P., Schmid, R., Blindauer, C.A. & Stewart, A.J. 2014. A canonical EF-loop directs Ca(2+)-sensitivity in phospholipase C- η 2. *Journal of Cellular Biochemistry* **115**(3), 557-565.
126. Quembo, C.J., Jori, F., Heath, L., Perez-Sanchez, R. & Vosloo, W. 2015. Investigation into the epidemiology of African swine fever virus at the wildlife-domestic interface of the Gorongosa National Park, central Mozambique. *Transboundary and Emerging Diseases*
127. Reisinger, R.R., Oosthuizen, W.C., Peron, G., Cory Toussaint, D., Andrews, R.D. & de Bruyn, P.J.N. 2014. Satellite tagging and biopsy sampling of killer whales at Subantarctic Marion Island: effectiveness, immediate reactions and long-term responses. *Plos One* **9**(11), e111835, 14 pages.
128. Retschnig, G., Williams, G.R., Mehmman, M.M., Yanez, O., de Miranda, J.R. & Neumann, P. 2014. Sex-specific differences in pathogen susceptibility in honey bees (*Apis mellifera*). *Plos One* **9**(1), e85261, 10 pages.

129. Rodas, C.A., Serna, R., Hurley, B.P., Bolanos, M.D., Granados, G.M. & Wingfield, M.J. 2014. Three new and important insect pests recorded for the first time in Colombian plantations. *Southern Forests*, **76**(4), 245-252.
130. Roever, C., Beyer, H.L., Chase, M.J. & van Aarde, R.J. 2014. The pitfalls of ignoring behavior when quantifying habitat selection. *Diversity and Distributions* **20**, 322-333.
131. Roug, A., Geoghegan, C., Wellington, E., Miller, W., Travis, E., Porter, D., Cooper, D., Clifford, D., Mazet, J. & Parsons, S. 2014. Utility of a fecal real-time PCR protocol for detection of *Mycobacterium bovis* infection in African buffalo (*Syncerus caffer*). *Journal of Wildlife Diseases* **50**(1), 140-142.
132. Rymer, T., Thomson, R. & Whiting, M. 2014. At home with the birds: Kalahari tree skinks associate with sociable weaver nests despite African pygmy falcon presence. *Austral Ecology* **39**, 839-847.
133. Scantlebury, D.M., Mills, M.G.L., Wilson, R.P., Wilson, J.W., Mills, M.E.J., Durant, S.M., Bennett, N.C., Bradford, P., Marks, N.J. & Speakman, J.R. 2014. Flexible energetics of cheetah hunting strategies provide resistance against kleptoparasitism. *Science* **346**, 79
134. Scheun, J., Bennett, N.C., Ganswindt, A. & Nowack, J. 2014. Spicing up the menu: evidence of fruit feeding in *Galago moholi*. *Primates* **55**, 359-363.
135. Schmidt, C.M., Blount, J.D. & Bennett, N.C. 2014. Reproduction is associated with a tissue-dependent reduction of oxidative stress in eusocial female Damaraland mole-rats (*Fukomys damarensis*). *Plos One* **9**(7), e103286, 7 pages.
136. Schröder, M.L., Glinwood, R., Ignell, R. & Krüger, K. 2014. Visual cues and host-plant preference of the bird cherry-oat aphid, *Rhopalosiphum padi* (Hemiptera: Aphididae). *African Entomology* **22**(2), 428-436.
137. Schröder, M.L. & Krüger, K. 2014. Preference of aphids (Hemiptera: Aphididae) for lucerne, maize, soybean and wheat and their potential as prospective border crops for *Potato virus Y* management in seed potatoes. *African Entomology* **22**(1), 144-155.
138. Smitz, N., Cornelis, D., Chardonnet, P., Caron, A., de Garine-Wichatitsky, M., Jori, F., Mouton, A., Latinne, A., Pigneur, L-M, Melletti, M., Kanapeckas, K., Marescaux, J., Pereira, C.L. & Michaux, J. 2014. Genetic structure of fragmented southern populations of African Cape buffalo (*Syncerus caffer caffer*). *BMC Evolutionary Biology* **14**, 203; 19 pages
139. Solazzo, G., Moritz, R.F.A. & Settele, J. 2014. The social parasite *Phengaris (Maculinea) nausithous* affects genetic diversity within *Myrmica rubra* host ant colonies. *Journal of Insect Conservation* **18**, 69-75.
140. Strauss, U., Pirk, C.W.W., Dietemann, V., Crewe, R.M. & Human, H. 2014. Infestation rates of *Varroa destructor* and *Braula coeca* in the savannah honey bee (*Apis mellifera scutellata*). *Journal of Apicultural Research* **53**(4): 475-477.

141. Strumpher, W.P., Sole, C.L., Villet, M.H. & Scholtz, C.H. 2014. Phylogeny of the family Trogidae (Coleoptera: Scarabaeoidea) inferred from mitochondrial and nuclear ribosomal DNA sequence data. *Systematic Entomology* **39**, 548-562.
142. Strumpher, W.P., Farrell, J. & Scholtz, C.H. 2014. Trogidae (Coleoptera: Scarabaeoidea) in forensic entomology: occurrence of known and new species in Queensland, Australia. *Austral Entomology* **53**, 368-372.
143. Swanepoel, L.H., Lindsey, P., Somers, M.J., van Hoven, W. & Dalerum, F. 2014. The relative importance of trophy harvest and retaliatory killing of large carnivores: South African leopards as a case study. *South African Journal of Wildlife Research* **44**(2), 115-134.
144. Swartridge, C., Monadjem, A., Steyn, D., Batchelor, G. & Hardy, C. 2014. Factors affecting diet, habitat selection and breeding success of the African crowned eagle *Stephanoaetus coronatus* in a fragmented landscape. *Ostrich* **85**(1), 47-55.
145. Switala, A.K., Sole, C.L. & Scholtz, C.H. 2014. Phylogeny, historical biogeography and divergence time estimates of the genus *Colophon* Gray (Coleoptera: Lucanidae). *Invertebrate Systematics* **28**, 326-336.
146. Taylor, P.J., Maree, S., Cotterill, F.P.D., Missou, A.D., Nicolas, V. & Denys, C. 2014. Molecular and morphological evidence for a Pleistocene radiation of laminate-toothed rats (*Otomys*: Rodentia) across a volcanic archipelago in equatorial Africa. *Biological Journal of the Linnean Society* **113**(1), 320-344.
147. Tchouassi, D.P., Bastos, A.D.S., Sole, C.L., Diallo, M., Lutomiah, J., Mutisya, J., Mulwa, F., Borgemeister, C., Sang, R. & Torto, B. 2014. Population genetics of two key mosquito vectors of Rift Valley Fever Virus reveals new insights into the changing disease outbreak patterns in Kenya. *Plos Neglected Tropical Diseases* **9**(12), e3364, 12 pages.
148. Townsend, S., Charlton, B. & Manser, M. 2014. Acoustic cues to identity and predator context in meerkat barks. *Animal Behaviour* **94**, 143-149.
149. Trimble, M.J. & van Aarde, R.J. 2014. A note on polyvinyl chloride (PVC) pipe traps for sampling vegetation-dwelling frogs in South Africa. *African Journal of Ecology* **52**, 381-383.
150. Trimble, M.J. & van Aarde, R.J. 2014. Supporting conservation with biodiversity research in sub-Saharan Africa's human-modified landscapes. *Biodiversity Conservation* **23**, 2345-2369.
151. Trimble, M.J. & van Aarde, R.J. 2014. Amphibian and reptile communities and functional groups over a land-use gradient in a coastal tropical forest landscape of high richness and endemism. *Animal Conservation* **17**, 441-453.
152. Van der Merwe, I., Bennett, N.C., Haim, A. & Oosthuizen, M.K. 2014. Locomotor activity in the Namaqua rock mouse (*Micaelamys namaquensis*): entrainment by light manipulations. *Canadian Journal of Zoology* **92**, 1083-1091.

153. Van Hooft, P., Greyling, B.J., Getz, W.M., van Helden, P.D., Zwaan, B.J. & Bastos, A.D.S. 2014. Positive selection of deleterious alleles through interaction with a sex-ratio suppressor gene in African buffalo: A plausible new mechanism for a high frequency anomaly. *Plos One* **9**(11), e111778, 13 pages.
154. Venter, G.J., Labuschagne, K., Boikanyo, S.N.B. & Morey, L. 2014. Assessment of the repellent effect of citronella and lemon eucalyptus oil against South African *Culicoides* species. *Journal of the South African Veterinary Association* **85**(1), Art. #992, 5 pages.
155. Venter, G.J., Labuschagne, K., Majatladi, D., Boikanyo, S.N.B., Lourens, C., Ebersohn, K. & Venter, E.H. 2014. *Culicoides* species abundance and potential over-wintering of African horse sickness virus in the Onderstepoort area, Gauteng, South Africa. *Journal of the South African Veterinary Association* **85**(1), Art. #1102, 6 pages.
156. Verhoef, F.A., Venter, G.J. & Weldon, C.W. 2014. Thermal limits of two biting midges, *Culicoides imicola* Kieffer and *C. bolitinos* Meiswinkel (Diptera: Ceratopogonidae). *Parasites & Vectors* **7**, 384, 9 pages.
157. Verma, S., Kirigiti, M.A., Millar, R.P., Grove, K.L. & Smith, M.S. 2014. Endogenous kisspeptin tone is a critical excitatory component of spontaneous GnRH activity and the GnRH response to NPY and CART. *Neuroendocrinology* **99**, 190-203.
158. Vinding, Katja, Christiansen, M. & Rose, N. 2014. Data collection from commercial whale watching vessels: the need for international guidelines and systematic quality control. *J. Cetacean Res. Manage.* SC/65b/WW07
159. Visser, J.H., Bennett, N.C. & Jansen van Vuuren, B. 2014. Local and regional scale genetic variation in the Cape dune mole-rat, *Bathyergus suillus*. *Plos One* **9**(9), e107226, 13 pages.
160. Voellmy, I., Goncalves, I., Barrette, M., Monfort, S. & Manser, M. 2014. Mean fecal glucocorticoid metabolites are associated with vigilance, whereas immediate cortisol levels better reflect acute anti-predator responses in meerkats. *Hormones and Behavior* **66**, 759-765.
161. Voigt, C. 2014. An example of burrow system architecture of dispersing Damaraland mole-rats. *African Zoology* **49**(1), 148-152.
162. Voigt, C., Gahr, M., Leitner, S., Lutermann, H. & Bennett, N.C. 2014. Breeding status and social environment differentially affect the expression of sex steroid receptor and aromatase mRNA in the brain of female Damaraland mole-rats. *Frontiers in Zoology* **11**, 38, 10 pages.
163. Wallberg, A., Han, F., Wellhagen, G., Dahle, B., Kawata, M., Haddad, N., Simoes, Z.L.P., Allsopp, M.H., Kandemir, I., De la Rúa, P., Pirk, C.W. & Webster, M.T. *Nature Genetics* **46**(10), 1081-1090
164. Walters, J., Marais, S., Johnson, O., Bennett, N.C., Alagaili, A.N., Mohammed, O.B. & Kotze, S.H. 2014. The comparative gastrointestinal morphology of five species of muroid rodents found in Saudi Arabia. *Journal of Morphology* **275**, 980-990.

165. Whitfield, M., Köhler, A. & Nicolson, S.W. 2014. Sunbirds increase foraging success by using color as a cue for nectar quality. *Behavioural Ecology* **25**(2), 328-334.
166. Wilson, J.R.U, Caplat, P., Dickie, I., Hui, C. Maxwell, B.D., Nuñez, M.A., Pauchard, A., Rejmánek, M., Richardson, D.M., Robertson, M.P., Spear, D., Webber, B.L., van Wilgen, B.W., Zenni, R.D. 2014. A standardized set of metrics to assess and monitor tree invasions. *Biological Invasions* **16**: 535-551.
167. Wolf, S. & Moritz, R.F.A. 2014. The pollination of free-foraging bumblebee (*Bombus* spp.) males (Hymenoptera: Apidae). *Apidologie* **45**, 440-450.
168. Yanez, O., tejada, G. & Neumann, P. 2014. First detection of viruses in Africanized honey bees from Peru. *Virologica Sinica* **29**(5), 321-323.
169. Yusuf, A.A., Crewe, R.M. & Pirk, C.W.W. 2014. Olfactory detection of prey by the termite raiding ant *Pachycondyla analis*. *Journal of Insect Science* **14**, Article 53, 10 pages.
- 170.** Yusuf, A.A., Gordon I., Crewe, R.M. & Pirk, C.W.W. 2014. Prey choice and raiding behavior of the Ponerine ant *Pachycondyla analis* (Hymenoptera: Formicidae). *Journal of Natural History* **48**(5-6), 345-358.