

PUBLICATION LIST – 2018

BOOKS, BOOK CHAPTERS AND PROCEEDINGS

1. Hofmeyer, G.J.G., Bester, M.N. 2018. Sub-Antarctic fur seals. In: Encyclopedia of Marine Mammals, 3rd Edition, (Ed.) Wursig B, Thewissen JGM, Kovacs KM. Elsevier Inc. 957-960
2. Kerley, G.I.H., Behrens, K.G., Carruthers, J., Diemont, M., du Plessis, J.J., Minnie, L., Somers, M.J., Tambling, C.J., Turpie, J.K., Wilson, S.L. & Balfour, D. 2018. Summary for Policymakers. In: *Livestock predation and its management in South Africa: a scientific assessment* (Eds Kerley, G.I.H., Wilson, S.L. & Balfour, D.). Centre for African Conservation Ecology, Nelson Mandela University, Port Elizabeth, 237-263.
3. Penteriani, V., del Mar Delgado, M., Huber, D., Jerina, K., Krofel, M., López-Bao, J. V., Ordiz, A. & Dalerum, F. 2018. Trans-boundary management of a large carnivore: Managing brown bears across borders in Europe. In Hovardas, T. (ed.) *Large carnivore conservation and management: Human dimensions and governance*. Routledge, London, pp. 291-313.
4. Scheun J. (2018) Estrous. In: Vonk J, Shackelford T (eds) *Encyclopedia of Animal Cognition and Behavior*. Springer International Publishing, Cham, pp 1-7. doi:10.1007/978-3-319-47829-6_282-1.
5. Somers, M.J., Davies-Mostert, H., Maruping-Mzileni, N., Swanepoel, L., Do Linh San, E., Botha, A., Tjelele, J., Dumalisile, L., Marnewick, K., Tafani, M., Hunnicutt, A., Tambling, C. J., Minnie, L., & Hawkins, H-J. 2018. Biology, ecology and interaction of other predators with livestock. In: *Livestock predation and its management in South Africa: a scientific assessment* (Eds Kerley, G.I.H., Wilson, S.L. & Balfour, D.). Centre for African Conservation Ecology, Nelson Mandela University, Port Elizabeth, 237-263.

ARTICLES

1. Abate, B.A., Slippers, B., Wingfield, M.J., Malan, A.P., Hurley, B.P. 2018. Diversity of entomopathogenic nematodes and their symbiotic bacteria in south African plantations and indigenous forests. *Nematology*, **20 (4)**, pp. 355-371. DOI: 10.1163/15685411-00003144.
2. Abdalla, I.H., Deschodt, C.M., Scholtz, C.H., Sole, C.L. 2018. An update to the taxonomy of the genus *Macroderes* Westwood 1842 (Coleoptera: Scarabaeidae: Scarabaeinae) with descriptions of new species from South Africa. *Zootaxa*, **4504 (1)**, pp. 41-75. DOI: 10.11646/zootaxa.4504.1.3.
3. Abdu, S., McKechnie, A.E., Lee, A.T.K., Cunningham, S.J. 2018. Can providing shade at water points help Kalahari birds beat the heat? *Journal of Arid Environments*, **152**, pp. 21-27. DOI: 10.1016/j.jaridenv.2018.01.018.
4. Arnan, X., Andersen, A.N., Gibb, H., Parr, C.L., Sanders, N.J., Dunn, R.R., Angulo, E., Baccaro, F.B., Bishop, T.R., Boulay, R., Castracani, C., Cerdá, X., Toro, I.D., Delsinne, T., Donoso, D.A., Elten, E.K., Fayle, T.M., Fitzpatrick, M.C., Gómez, C., Grasso, D.A., Grossman, B.F., Guénard, B., Gunawardene, N., Heterick, B., Hoffmann, B.D., Janda, M., Jenkins, C.N., Klimes, P., Lach, L., Laeger, T., Leponce, M., Lucky, A., Majer, J., Menke, S., Mezger, D., Mori, A., Moses, J., Munyai, T.C., Paknia, O., Pfeiffer, M., Philpott, S.M., Souza, J.L.P., Tista, M., Vasconcelos, H.L., Retana, J. 2018. Dominance–diversity relationships in ant communities differ with invasion. *Global Change Biology*, **24 (10)**, pp. 4614-4625. DOI: 10.1111/gcb.14331.

5. Arraut, E.M., Loveridge, A.J., Chamaillé-Jammes, S., Valls-Fox, H., Macdonald, D.W. 2018. The 2013–2014 vegetation structure map of Hwange National Park, Zimbabwe, produced using free satellite images and software. *Koedoe*, **60** (1), art. no. 1497. DOI: 10.4102/koedoe.v60i1.1497.
6. Arthur, B., Hindell, M., Bester, M., De Bruyn, P.J.N., Goebel, M.E., Trathan, P., Lea, M.-A. 2018. Managing for change: Using vertebrate at sea habitat use to direct management efforts. *Ecological Indicators*, **91**, pp. 338-349. DOI: 10.1016/j.ecolind.2018.04.019. **R**
7. Aumer, D., Mumoki, F.N., Pirk, C.W.W., Moritz, R.F.A. 2018. The transcriptomic changes associated with the development of social parasitism in the honeybee *Apis mellifera capensis*. *Science of Nature*, **105** (3-4), art. no. 22. DOI: 10.1007/s00114-018-1552-2.
8. Austin, J.D., Moore, S., McCleery, R.A., Colton, J., Finberg, T., Monadjem, A. 2018. Conservation genetics of an isolated giraffe population in Swaziland. *African Journal of Ecology*, **56** (1), pp. 140-145. DOI: 10.1111/aje.12428.
9. Azrag, A.G.A., Pirk, C.W.W., Yusuf, A.A., Pinaud, F., Niassy, S., Mosomtai, G., Babin, R. 2018. Prediction of insect pest distribution as influenced by elevation: Combining field observations and temperature-dependent development models for the coffee stink bug, *Antestiopsis thunbergii* (gmelin). *PLoS ONE*, **13** (6), art. no. e0199569. DOI: 10.1371/journal.pone.0199569.
10. Badenhorst, J., Dabrowski, J., Scholtz, C.H., Truter, W.F. 2018. Dung beetle activity improves herbaceous plant growth and soil properties on confinements simulating reclaimed mined land in South Africa. *Applied Soil Ecology*, **132**, pp. 53-59. DOI: 10.1016/j.apsoil.2018.08.011.
11. Baghai, M., Miller, J.R.B., Blanken, L.J., Dublin, H.T., Fitzgerald, K.H., Gandiwa, P., Laurenson, K., Milanzi, J., Nelson, A., Lindsey, P. 2018. Models for the collaborative management of Africa's protected areas. *Biological Conservation*, **218**, pp. 73-82. DOI: 10.1016/j.biocon.2017.11.025.
12. Bakhoum, M.T., Labuschagne, K., Huber, K., Fall, M., Mathieu, B., Venter, G., Gardès, L., Baldet, T., Bouyer, J., Fall, A.G., Gimonneau, G., Garros, C. 2018. Phylogenetic relationships and molecular delimitation of *Culicoides Latreille* (Diptera: Ceratopogonidae) species in the Afrotropical region: interest for the subgenus *Avaritia*. *Systematic Entomology*, **43** (2), pp. 355-371. DOI: 10.1111/syen.12279.
13. Bakhoum, M.T., Sarr, M., Fall, A.G., Huber, K., Fall, AM., Sembéne M., Seck, M.T., Labuschagne, K., Gardés L., Ciss, M., Gimonneau, G., Bouyer, J., Baldet, T., Garros, C. 2018. DNA barcoding and molecular identification of field-collected *Culicoides* larvae in the Niayes area of Senegal. *Parasites & Vectors* 11:615, 10 pages.
14. Bakkes, D.K., Mansell, M.W., Sole, C.L. 2018. Phylogeny and historical biogeography of silky lacewings (Neuroptera: Psychopsidae). *Systematic Entomology*, **43** (1), pp. 43-55. DOI: 10.1111/syen.12247.
15. Bateman, A.W., Ozgul, A., Krkošek, M., Clutton-Brock, T.H. 2018. Matrix models of hierarchical demography: Linking group-and population-level dynamics in cooperative breeders. *American Naturalist*, **192** (2), pp. 188-203. DOI: 10.1086/698217.
16. Beale, C.M., Courtney Mustaphi, C.J., Morrison, T.A., Archibald, S., Anderson, T.M., Dobson, A.P., Donaldson, J.E., Hempson, G.P., Probert, J., Parr, C.L. 2018. Pyrodiversity interacts with rainfall to increase bird and mammal richness in African savannas. *Ecology Letters*, **21** (4), pp. 557-567. DOI: 10.1111/ele.12921.
17. Belton, L.E., Cameron, E.Z., Dalerum, F. 2018. Anthropogenic influences on spotted hyaena diet in the Kruger National Park, South Africa. *Mammal Research*, **63** (3), pp. 315-323. DOI: 10.1007/s13364-018-0358-0.
18. Belton, L.E., Cameron, E.Z., Dalerum, F. 2018. Social networks of spotted hyaenas in areas of contrasting human activity and infrastructure. *Animal Behaviour*, **135**, pp. 13-23. DOI: 10.1016/j.anbehav.2017.10.027.

19. Belton, L.E., Cameron, E.Z., Dalerum, F. 2018. Spotted hyena visitation at anthropogenic sites in the Kruger National Park, South Africa. *African Zoology*, **53** (3), 113-118.
20. Bennett, N.C., Ganswindt, A., Ganswindt, S.B., Jarvis, J.U.M., Zöttl, M., Faulkes, C.G. 2018. Evidence for contrasting roles for prolactin in eusocial naked mole-rats, *Heterocephalus glaber* and Damaraland mole-rats, *Fukomys damarensis*. *Biology Letters*, **14** (5), art. no. 20180150. DOI: 10.1098/rsbl.2018.0150.
21. Biganski, S., Kurze, C., Müller, M., Moritz, R.F.A. 2018. Social response of healthy honeybees towards *Nosema ceranae* -infected workers: care or kill? *Apidologie*, **49**, 325 - 334.
22. Bosua J. H., Nicolson, S. W., Archer, C. R., Pirk, C. W. W. 2018. Effects of cage volume and bee density on survival and nutrient intake of honeybees (*Apis mellifera* L.) under laboratory conditions. *Apidologie* **49**: 734-746.
23. Burke, A.F., Sole, C.L., Scholtz, C.H. 2018. A Remarkable Teratological Case for *Eucymatodera parva* Schenckling, 1908 (Cleridae: Tillinae) from Namibia. *African Entomology*, **26** (1), pp. 250-253. DOI: 10.4001/003.026.0250.
24. Bush, S.J., Dittrich-Schröder, G., Neser, S., Gevers, C., Baffoe, K.O., Slippers, B., Hurley, B.P. 2018. First record of *Quadrastichus mendeli*, a parasitoid of *Leptocybe invasa*, in South Africa. *Southern Forests*, **80** (3), pp. 275-277. DOI: 10.2989/20702620.2017.1318347.
25. Buttstedt, A., Mureşan, C.I., Lilie, H., Hause, G., Ihling, C.H., Schulze, S.-H., Pietzsch, M., Moritz, R.F.A. 2018. How Honeybees Defy Gravity with Royal Jelly to Raise Queens. *Current Biology*, **28** (7), pp. 1095-1100.e3. DOI: 10.1016/j.cub.2018.02.022.
26. Callealta, I., Ganswindt, A., Goncalves, S., Mathew, A., Lueders, I. 2018. Detection of *Simonsiella* spp. in the vagina of Lions and Leopard in Oestrus. *Reproduction in Domestic Animals. Reproduction in Domestic Animals*, **53**:1605-1608.
27. Campbell, H., Engelbrecht, I. 2018. The Baboon Spider Atlas – using citizen science and the ‘fear factor’ to map baboon spider (Araneae: Theraphosidae) diversity and distributions in Southern Africa. *Insect Conservation and Diversity*, **11** (2), pp. 143-151. DOI: 10.1111/icad.12278.
28. Chitakira, M., Torquebiau, E., Ferguson, W., Mearns, K. 2018. Analysis of landscape performance assessment by key stakeholders in a transfrontier conservation area. *Landscape Research*, **43** (5), pp. 665-678. DOI: 10.1080/01426397.2017.1355052.
29. Chizzola, M., Belton, L. Ganswindt, A., Greco, I., Hall, G., Swanepoel, L. Dalerum, F. 2018. Landscape Level Effects of Lion Presence (*Panthera leo*) on Two Contrasting Prey Species. *Frontiers in Ecology and Evolution*, **6** (191): 1-14.
30. Corkeron, P., Hamilton, P., Bannister, J., Best, P., Charlton, C., Groch, K.R., Findlay, K., Rowntree, V., Vermeulen, E., Pace, R. M. 2018. The recovery of North Atlantic right whales, *Eubalaena glacialis*, has been constrained by human-caused mortality. *Royal Society Open Science* **5**: 180892.
31. Conradie, W., Verburgt, L., Portik, D.M., Ohler, A., Bwong, B.A., Lawson, L.P. 2018. A new Reed Frog (Hyperoliidae: *Hyperolius*) from coastal northeastern Mozambique. *Zootaxa*, **4379** (2), pp. 177-198. DOI: 10.11646/zootaxa.4379.2.2.
32. Cram, D.L., Monaghan, P., Gillespie, R., Dantzer, B., Duncan, C., Spence-Jones, H., Clutton-Brock, T. 2018. Rank-Related Contrasts in Longevity Arise from Extra-Group Excursions Not Delayed Senescence in a Cooperative Mammal. *Current Biology*, **28** (18), pp. 2934-2939.e4. DOI: 10.1016/j.cub.2018.07.021.
33. Cronjé, N., Schwartz, I.S., Retief, L., Bastos, A.D.S., Mathee, S., Preiser, W., Bennett, N.C., Maphanga, T., Govender, N.P., Colebunders, R., Kenyon, C. 2018. Attempted molecular detection of the thermally dimorphic human fungal pathogen *Emergomyces africanus* in terrestrial small mammals in South Africa. *Medical Mycology*, **56** (4), pp. 510-513. DOI: 10.1093/mmy/myx065.

34. Crossey, B., Ganswindt, A., Chimimba, C. 2018. Faecal glucocorticoid metabolite concentrations and their alteration post-defaecation in African wild dogs *Lycaon pictus* from South Africa. *Wildlife Biology*, wlb00469, pp. 1-6.
35. Dalerum, F., Freire, S., Angerbjörn, A., Lecomte, N., Lindgren, Å., Meijer, T., Pečnerová, P., Dalén, L. 2018. Exploring the diet of arctic wolves (*Canis lupus arctos*) at their northern range limit. *Canadian Journal of Zoology*, **96** (3), pp. 277-281. DOI: 10.1139/cjz-2017-0054.
36. Dalerum, F., Miranda, M., Muñiz, C., Rodríguez, P. 2018. Effects of scarcity, aesthetics and ecology on wildlife auction prices of large African mammals. *Ambio*, **47** (1), pp. 78-85. DOI: 10.1007/s13280-017-0937-3.
37. Davies, K.T.J., Bennett, N.C., Faulkes, C.G., Rossiter, S.J. 2018. Limited Evidence for Parallel Molecular Adaptations Associated with the Subterranean Niche in Mammals: A Comparative Study of Three Superorders. *Molecular biology and evolution*, **35** (10), pp. 2544-2559. DOI: 10.1093/molbev/msy161.
38. Davimes, J.G., Alagaili, A.N., Bhagwandin, A., Bertelsen, M.F., Mohammed, O.B., Bennett, N.C., Manger, P.R., Gravett, N. 2018. Seasonal variations in sleep of free-ranging Arabian oryx (*Oryx leucoryx*) under natural hyperarid conditions. *Sleep*, **41** (5), art. no. 038. DOI: 10.1093/sleep/zsy038.
39. Davis, A.L.V., Deschodt, C.M. 2018. Two new species of *Garreta* Janssens, 1940 (Coleoptera: Scarabaeidae: Scarabaeinae) from Southern Africa. *Zootaxa*, **4450** (2), pp. 242-248. DOI: 10.11646/zootaxa.4450.2.4.1371/journal.pone.0194336.
40. de Bruin, R., Ganswindt, A., Bennett, N.C., Medger, K. 2018. The influence of food restriction and photoperiod on reproduction in male spiny mice (*Acomys spinosissimus*): Evidence for terminal investment? *Mammalian Biology*, **90**, pp. 38-41. DOI: 10.1016/j.mambio.2018.02.002.
41. de Bruin, P.R., Ganswindt, A., Laver, P., le Roux, A. 2018. Friendly foxes: the relationship between steroid hormones and social behaviour in a monogamous African canid. *Journal of Zoology*, **306** (2), pp. 110-118. DOI: 10.1111/jzo.12574.
42. de Flamingh, A., Roca, A.L., van Aarde, R.J. 2018. Origin and phylogeography of African savannah elephants (*Loxodonta africana*) in Kruger and nearby parks in southern Africa. *Conservation Genetics*, **19** (1), pp. 155-167. DOI: 10.1007/s10592-017-1005-z.
43. Démares, F.J., Pirk, C.W.W., Nicolson, S.W., Human, H. 2018. Neonicotinoids decrease sucrose responsiveness of honey bees at first contact. *Journal of Insect Physiology*, **108**, pp. 25-30. DOI: 10.1016/j.jinsphys.2018.05.004.
44. Demartsev, V., Strand-Peshkin, A., Ruffner, M., Manser, M. 2018. Vocal turn-taking in meerkat group calling sessions. *Current Biology* **28**: 3661-3666.
45. Deschodt, C.M., Davis, A.L.V. 2018. New deltochiline (Coleoptera: Scarabaeidae: Scarabaeinae) taxa associated with hyrax dung in arid south western Namibia. *Zootaxa*, **4450** (1), pp. 66-76. DOI: 10.11646/zootaxa.4450.1.4.
46. Dietrich, M., Dietrich, M., Kearney, T., Seamark, E.C.J., Paweska, J.T., Markotter, W. 2018. Synchronized shift of oral, faecal and urinary microbiotas in bats and natural infection dynamics during seasonal reproduction. *Royal Society Open Science*, **5** (5), art. no. 180041.
47. Dimac-Stohl, K.A., Davies, C.S., Grebe, N.M., Stonehill, A.C., Greene, L.K., Mitchell, J., Clutton-Brock, T., Drea, C.M. 2018. Incidence and biomarkers of pregnancy, spontaneous abortion, and neonatal loss during an environmental stressor: Implications for female reproductive suppression in the cooperatively breeding meerkat. *Physiology and Behavior*, **193**, pp. 90-100. DOI: 10.1016/j.physbeh.2017.11.011.
48. Dittrich-Schröder, G., Hoareau, T.B., Hurley, B.P., Wingfield, M.J., Lawson, S., Nahrung, H.F., Slippers, B. 2018. Population genetic analyses of complex global insect invasions in

- managed landscapes: a *Leptocybe invasa* (Hymenoptera) case study. *Biological Invasions*, **20** (9), pp. 2395-2420. DOI: 10.1007/s10530-018-1709-0.
49. Duncan, C., Gaynor, D., Clutton-Brock, T. 2018. The importance of being beta: female succession in a cooperative breeder. *Animal Behaviour*, 146, pp. 113-122. DOI: 10.1016/j.anbehav.2018.10.013.
 50. du Plessis, M., Johnson, S.D., Nicolson, S.W., Bruyns, P.V., Shuttleworth, A. 2018. Pollination of the “carrion flowers” of an African stapeliad (*Ceropegia mixta*: *Apocynaceae*): the importance of visual and scent traits for the attraction of flies. *Plant Systematics and Evolution*, **304** (3), pp. 357-372. DOI: 10.1007/s00606-017-1481-0.
 51. Eberl, F., Perreca, E., Vogel, H., Wright, L.P., Hammerbacher, A., Veit, D., Gershenzon, J., Unsicker, S. B. 2018. Rust Infection of Black Poplar Trees Reduces photosynthesis but Does Not Affect isoprene Biosynthesis or emission. *Frontiers in Plant Sciences* **9**: 1733.
 - Eriksson, T., Dalerum, F. 2018. Identifying potential areas for an expanding wolf population in Sweden. *Biological Conservation*, **220**, pp. 170-181. DOI: 10.1016/j.biocon.2018.02.019.
 52. Eriksson, T., Dalerum, F. 2018. A MaxEnt approach to identify potential range expansion areas for an expanding wolf population. *Biological Conservation*, **220**: 170-181. Faulkner, S.C., Stevens, M.C.A., Romañach, S.S., Lindsey, P.A., Le Comber, S.C. 2018. A spatial approach to combatting wildlife crime. *Conservation Biology*, **32** (3), pp. 685-693. DOI: 10.1111/cobi.13027.
 53. Finn, K.T., Parker, D.M., Bennett, N.C., Zöttl, M. 2018. Contrasts in body size and growth suggest that high population density results in faster pace of life in damaraland mole-rats (*Fukomys damarensis*). *Canadian Journal of Zoology*, **96** (8), pp. 920-927. DOI: 10.1139/cjz-2017-0200.
 54. Foord, S.H., Swanepoel, L.H., Evans, S.W., Schoeman, C.S., Erasmus, B.F.N., Corrie Schoeman, M., Keith, M., Smith, A., Mauda, E.V., Maree, N., Nembudani, N., Dippenaar-Schoeman, A.S., Munyai, T.C., Taylor, P.J. 2018. Animal taxa contrast in their scale-dependent responses to land use change in rural Africa. *PLoS ONE*, **13** (5), art. no. 5. DOI: 10.1371/journal.pone.0194336.
 55. Freeman, M.T., Olivier, P.I., van Aarde, R.J. 2018. Matrix transformation alters species-area relationships in fragmented coastal forests. *Landscape Ecology*, **33** (2), pp. 307-322. DOI: 10.1007/s10980-017-0604-x.
 56. Garnas, J.R. 2018. Rapid evolution of insects to global environmental change: conceptual issues and empirical gaps. *Current Opinion in Insect Science*, **29**, pp. 93-101. DOI: 10.1016/j.cois.2018.07.013.
 57. Geldenhuys, M., Mortlock, M., Weyer, J., Bezuidenhout, O., Seamark, E.C.J., Kearney, T., Gleasner, C., Erkkilä, T.H., Cui, H., Markotter, W. 2018. A metagenomics viral discovery approach identifies potential zoonotic and novel mammalian viruses in Neoromicia bats within South Africa. *Plos ONE*, **12** (3), art. no. e0194527.
 58. Göpper, B.M., Voogt, N.M., Ganswindt, A. 2018. First record of the marine turtle leech (*Ozobranchus margo*) on hawksbill turtles (*Eretmochelys imbricata*) in the inner granitic Seychelles. *Onderstepoort Journal of Veterinary Research* **85** (1), a1604: 1-3.
 59. Gridley, T., Elwen, S.H., Harris, G., Moore, D.M., Hoelzel, A.R., Lampen, F. 2018. Hybridization in bottlenose dolphins—a case study of *tursiops aduncus* × *t. truncatus* hybrids and successful backcross hybridization events. *PLoS ONE*, **13** (9), art. no. e0201722. DOI: 10.1371/journal.pone.0201722. **D**
 60. Gridley, T., Silva, M.F.P., Wilkinson, C., Seakamela, S.M., Elwen, S.H. 2018. Song recorded near a super-group of humpback whales on a mid-latitude feeding ground off South Africa. *Journal of the Acoustical Society of America*, **143** (4), pp. EL298-EL304. DOI: 10.1121/1.5032126.

61. Griffiths, H.M., Ashton, L.A., Walker, A.E., Hasan, F., Evans, T.A., Eggleton, P., Parr, C.L. 2018. Ants are the major agents of resource removal from tropical rainforests. *Journal of Animal Ecology*, **87** (1), pp. 293-300. DOI: 10.1111/1365-2656.12728.
62. Gumbi, B.C., Shapiro, J.T., Mahlaba, T., McCleery, R., MacFadyen, D., Monadjem, A. 2018. Assessing the Impacts of Domesticated Versus Wild Ungulates on Terrestrial Small Mammal Assemblages at Telperion Nature Reserve, South Africa. *African Zoology*, **53** (1), pp. 23-29. DOI: 10.1080/15627020.2018.1449665.
63. Hammerbacher, A., Raguschke, B., Wright, L.P., Gershenson, J. 2018. Gallocatechin biosynthesis via a flavonoid 3',5'-hydroxylase is a defense response in Norway spruce against infection by the bark beetle-associated sap-staining fungus *Endoconidiophora polonica*. *Phytochemistry*, **148**, pp. 78-86. DOI: 10.1016/j.phytochem.2018.01.017.
64. Hassanin, A., Colombo, R., Gembu, G.-C., Merle, M., Tu, V.T., Görföl, T., Akawa, P.M., Csorba, G., Kearney, T., Monadjem, A., Ing, R.K. 2018. Multilocus phylogeny and species delimitation within the genus *Glauconycteris* (Chiroptera, Vespertilionidae), with the description of a new bat species from the Tshopo Province of the Democratic Republic of the Congo. *Journal of Zoological Systematics and Evolutionary Research*, **56** (1), pp. 1-22. DOI: 10.1111/jzs.12176.
65. Haswell, P.M., Jones, K.A., Kusak, J., Hayward, M.W. 2018. Fear, foraging and Olfaction: How mesopredators avoid costly interactions with apex predators. *Oecologia*, **187**: 573-583.
66. Hirschauer, M.T., Zimunya, T., Wolter, K., Monadjem, A. 2018. Sexing Cape Vulture *Gyps coprotheres* based on head morphometrics. *Ostrich*, **89** (2), pp. 187-190. DOI: 10.2989/00306525.2017.1415990.
67. Hodapp, D., Borer, E.T., Harpole, W.S., Lind, E.M., Seabloom, E.W., Adler, P.B., Alberti, J., Arnillas, C.A., Bakker, J.D., Biederman, L., Cadotte, M., Cleland, E.E., Collins, S., Fay, P.A., Firn, J., Hagenah, N., Hautier, Y., Iribarne, O., Knops, J.M.H., McCulley, R.L., MacDougall, A., Moore, J.L., Morgan, J.W., Mortensen, B., La Pierre, K.J., Risch, A.C., Schütz, M., Peri, P., Stevens, C.J., Wright, J., Hillebrand, H. 2018. Spatial heterogeneity in species composition constrains plant community responses to herbivory and fertilisation. *Ecology Letters*, **21** (9), pp. 1364-1371. DOI: 10.1111/ele.13102.
68. Hoffman, J.I., Bauer, E., Pajmans, A.J., Humble, E., Beckmann, L.M., Kubetschek, C., Christaller, F., Kröcker, N., Fuchs, B., Moreras, A., Shihlomule, Y.D., Bester, M.N., Cleary, A.C., De Bruyn, P.J.N., Forcada, J., Goebel, M.E., Goldsworthy, S.D., Guinet, C., Hoelzel, A.R., Lydersen, C., Kovacs, K.M., Lowther, A. 2018. A global cline in a colour polymorphism suggests a limited contribution of gene flow towards the recovery of a heavily exploited marine mammal. *Royal Society Open Science*, **5** (10), art. no. 181227. DOI: 10.1098/rsos.181227.
69. Iwasa-Arai, T., Serejo, C.S., Siciliano, S., Ott, P.H., Freire, A.S., Elwen, S., Crespo, E.A., Colosio, A.C., Carvalho, V.L., Rodríguez-Rey, G.T. 2018. The host-specific whale louse (*Cyamus boopis*) as a potential tool for interpreting humpback whale (*Megaptera novaeangliae*) migratory routes. *Journal of Experimental Marine Biology and Ecology*, **505**, pp. 45-51. DOI: 10.1016/j.jembe.2018.05.001.
70. Jarosch-Perlow, A., Yusuf, A.A., Pirk, C.W.W., Crewe, R.M., Moritz, R.F.A. 2018. Control of mandibular gland pheromone synthesis by alternative splicing of the CP-2 transcription factor gemini in honeybees (*Apis mellifera carnica*). *Apidologie*, **49** (4), pp. 450-458. DOI: 10.1007/s13592-018-0571-5.
71. Julius, R.S., Schwan, E.V., Chimimba, C.T. 2018. Helminth composition and prevalence of indigenous and invasive synanthropic murid rodents in urban areas of Gauteng Province, South Africa. *Journal of Helminthology*, **92** (4), pp. 445-454. DOI: 10.1017/S0022149X17000761.
72. Julius, R.S., Schwan, E.V., Chimimba, C.T. 2018. Molecular characterization of cosmopolitan and potentially co-invasive helminths of commensal, murid rodents in Gauteng

- Province, South Africa. *Parasitology Research*, **117** (6), pp. 1729-1736. DOI: 10.1007/s00436-018-5852-4.
73. Ke, A., Sibiya, M.D., Reynolds, C., McCleery, R.A., Monadjem, A., Fletcher, R.J., Jr. 2018. Landscape heterogeneity shapes taxonomic diversity of non-breeding birds across fragmented savanna landscapes. *Biodiversity and Conservation*, **27** (10), pp. 2681-2698. DOI: 10.1007/s10531-018-1561-7.
74. Kendall, C.J., Rubenstein, D.I., Slater, P.L., Monadjem, A., 2018. An assessment of tree availability as a possible cause of population declines in scavenging raptors. *Journal of Avian Biology*, **49** (1): e01497.
75. Kleynhans, D.J., Sarli, J., Hatyoka, L.M., Alagaili, A.N., Bennett, N.C., Mohammed, O.B., Bastos, A.D.S. 2018. Molecular assessment of *Bartonella* in *Gerbillus nanus* from Saudi Arabia reveals high levels of prevalence, diversity and co-infection. *Infection, Genetics and Evolution*, **65**, pp. 244-250. DOI: 10.1016/j.meegid.2018.07.036.
76. Kraai, M., Shrader, A.M. 2018. How do free-ranging domestic herbivores reduce competition within owner-determined herds? *Applied Animal Behaviour Science*, **205**, pp. 8-13. DOI: 10.1016/j.applanim.2018.05.008.
77. Kotze, R., Keith, M., Winterbach, C.W., Winterbach, H.E.K., Marshal, J.P. 2018. The Influence of social and environmental factors on organization of African Lion (*Panthera leo*) prides in the Okavango Delta. *Journal of Mammalogy*, **99** (4), 845-858.
78. Kurze, C., Le Conte, Y., Kryger, P., Lewkowski, O., Müller, T., Moritz, R.F.A. 2018. Infection dynamics of *Nosema ceranae* in honey bee midgut and host cell apoptosis. *Journal of Invertebrate Pathology*, **154**, pp. 1-4. DOI: 10.1016/j.jip.2018.03.008.
79. Kverková, K., Běliková, T., Olkowicz, S., Pavelková, Z., O'Riain, M.J., Šumbera, R., Burda, H., Bennett, N.C., Němec, P. 2018. Sociality does not drive the evolution of large brains in eusocial African mole-rats. *Scientific Reports*, **8** (1), art. no. 9203. DOI: 10.1038/s41598-018-26062-8.
80. Leitner, M., Davies, A.B., Parr, C.L., Eggleton, P., Robertson, M.P. 2018. Woody encroachment slows decomposition and termite activity in an African savannah. *Global Change Biology*, **24** (6), pp. 2597-2606. DOI: 10.1111/gcb.14118.
81. Lerata, M.B., Lubuma, J.M-S., Yusuf, A.A. 2018. Continuous and discrete dynamical systems for the declines of honeybee colonies. *Mathematical Methods in the Applied Sciences*, **41**: 8724-8740. DOI: 10.1002/mma.5093.
82. Lindsey, P.A., Miller, J.R.B., Petracca, L.S., Coad, L., Dickman, A.J., Fitzgerald, K.H., Flyman, M.V., Funston, P.J., Henschel, P., Kasiki, S., Knights, K., Loveridge, A.J., MacDonald, D.W., Mandisodza-Chikerema, R.L., Nazerali, S., Plumptre, A.J., Stevens, R., Van Zyl, H.W., Hunter, L.T.B. 2018. More than \$1 billion needed annually to secure Africa's protected areas with lions. *Proceedings of the National Academy of Sciences of the United States of America*, **115** (45), pp. E10788-E10796. DOI: 10.1073/pnas.1805048115.
83. Lombard, R.J., Chimimba, C.T., Zengeya, T.A. 2018. Niche complementarity between an alien predator and native omnivorous fish in the Wilge River, South Africa. *Hydrobiologia*, **817** (1), pp. 329-340. DOI: 10.1007/s10750-017-3352-7.
84. Lubbe, N., Czenze, Z.J., Noakes, M.J., McKechnie, A.E. 2018. The energetic significance of communal roosting and insulated roost nests in a small arid-zone passerine. *Ostrich* **89**(4): 347-354.
85. Lutermann, H., Haukialmi, V., Junker, K. 2018. First Report of Gastrointestinal Parasites from Ansell's Mole-Rat (*Fukomys anselii*) in Zambia. *Journal of Parasitology*, **104** (5), pp. 566-570. DOI: 10.1645/17-123.
86. Makin, D.F., Chamaillé-Jammes, S., Shrader, A.M. 2018. Changes in feeding behavior and patch use by herbivores in response to the introduction of a new predator. *Journal of Mammalogy*, **99** (2), pp. 341-350. DOI: 10.1093/jmammal/gyx177.

87. Manrakhan, A., Daneel, J.-H., Beck, R., Theron, C.D., Weldon, C.W., Moore, S.D., Hattingh, V. 2018. Non-Host Status of Commercial Export Grade Lemon Fruit (*Citrus limon* (L.) Burman f. cv. Eureka) for *Ceratitis capitata*, *Ceratitis rosa*, *Ceratitis quilicii* and *Bactrocera dorsalis* (Diptera: Tephritidae) in South Africa. *African Entomology*, **26** (1), pp. 202-214. DOI: 10.4001/003.026.0202.
88. Mansell, M.W. 2018. Antlions of southern Africa: *Syngenes* Kolbe, 1897, with descriptions of two new species and comments on extra-limital taxa (Neuroptera: Myrmeleontidae: Acanthaclisini). *Zootaxa*, **4497** (3), pp. 346-380. DOI: 10.11646/zootaxa.4497.3.2.
89. Mansell, M.W. 2018. Antlions of southern Africa: Genus *Crambomorphus* McLachlan, 1867, including extra-limital species (Neuroptera: Myrmeleontidae: Palparinae: Palparini). *Zootaxa*, **4382** (3), pp. 465-500. DOI: 10.11646/zootaxa.4382.3.3.
90. Marneweck, C., Jürgens, A., Shrader, A.M. 2018. Ritualised Dung Kicking by White Rhino Males Amplifies Olfactory Signals but Reduces Odour Duration. *Journal of Chemical Ecology*, **44** (10), pp. 875-885. DOI: 10.1007/s10886-018-0988-3.
91. Marneweck, C., Jürgens, A., Shrader, A.M. 2018. The role of middens in white rhino olfactory communication. *Animal Behaviour*, **140**, pp. 7-18. DOI: 10.1016/j.anbehav.2018.04.001.
92. Mariette, M.M., Pessato, A., Buttemer, W.A., McKechnie, A.E., Udino, E., Collins, R.N., Meillère, A., Bennett, A. T. D., Buchanan, K. L. 2018. Parent-embryo acoustic communication: a specialised heat vocalisation allowing embryonic eavesdropping. *Scientific Reports* **8**: 1721.
93. Martin, M.J., Gridley, T., Elwen, S.H., Jensen, F.H. 2018. Heavisides dolphins (*Cephalorhynchus heavisidii*) relax acoustic crypsis to increase communication range. *Proceedings of the Royal Society B: Biological Sciences*, **285** (1883), art. no. 20181178. DOI: 10.1098/rspb.2018.1178.
94. Martins, A.F., Bennett, N.C., Clavel, S., Groenewald, H., Hensman, S., Hoby, S., Joris, A., Manger, P.R and Milinkovitch, M.C. 2018. Locally-curved geometry generates bending cracks in the African elephant skin. *Nature Communications*. DOI: 10.1038/s41467-018-06257-3.
95. Mason, M.J., Bennett, N.C., Pickford, M. 2018. The middle and inner ears of the Palaeogene golden mole *Namachloris*: A comparison with extant species. *Journal of Morphology*, **279** (3), pp. 375-395. DOI: 10.1002/jmor.20779.
96. Mbewe, N.J., Saini, R.K., Torto, B., Irungu, J., Yusuf, A.A., Pirk, C.W.W. 2018. Sticky small target: an effective sampling tool for tsetse fly *Glossina fuscipes fuscipes* Newstead, 1910. *Parasites & vectors*, **11** (1), p. 268. DOI: 10.1186/s13071-018-2840-6.
97. Mbewe, N.J., Saini, R.K., Torto, B., Irungu, J., Yusuf, A.A., Pirk, C. 2018. Effects of vector control on the population structure of tsetse (*Glossina fuscipes fuscipes*) in western Kenya. *Acta Tropica*, **179**, pp. 1-9. DOI: 10.1016/j.actatropica.2017.12.015.
98. McCleery, R., Monadjem, A., Baiser, B., Fletcher, R., Jr, Vickers, K., Kruger, L. 2018. Animal diversity declines with broad-scale homogenization of canopy cover in African savannas. *Biological Conservation*, **226**, pp. 54-62. DOI: 10.1016/j.biocon.2018.07.020. McClelland, G.T.W., Altwegg, R., Van Aarde, R.J., Ferreira, S., Burger, A.E., Chown, S.L. 2018. Climate change leads to increasing population density and impacts of a key island invader: *Ecological Applications*, **28** (1), pp. 212-224. DOI: 10.1002/eap.1642.
99. McWhorter, T.J., Gerson, A.R., Talbot, W.A., Smith, E.K., McKechnie, A.E., Wolf, B.O. 2018. Avian thermoregulation in the heat: Evaporative cooling capacity and thermal tolerance in two Australian parrots. *Journal of Experimental Biology*, **221** (6), art. no. jeb.168930. DOI: 10.1242/jeb.168930.
100. Medger, K., Bennett, N.C., Chimimba, C.T., Oosthuizen, M.K., Mikkelsen, J.D., Coen, C.W. 2018. Analysis of gonadotrophin-releasing hormone-1 and kisspeptin neuronal systems in the nonphotoregulated seasonally breeding eastern rock elephant-shrew (*Elephantulus*

- myurus*). *Journal of Comparative Neurology*, **526** (15), pp. 2388-2405. DOI: 10.1002/cne.24498.
101. Medger, K., Bennett, N.C., Lutermann, H., Ganswindt, A. 2018. Non-invasive assessment of glucocorticoid and androgen metabolite levels in cooperatively breeding Damaraland mole-rats (*Fukomys damarensis*). *General and Comparative Endocrinology*, 266, pp. 202-210. DOI: 10.1016/j.ygcen.2018.05.018.
 102. Michel, B., Mansell, M.W. 2018. A new genus and species of owlfly from eastern and Southern Africa (Neuroptera: Ascalaphidae). *European Journal of Taxonomy*, **2018** (413). DOI: 10.5852/ejt.2018.413.
 103. Mlonyeni, X.O., Wingfield, B.D., Greeff, J.M., Hurley, B.P., Wingfield, M.J., Slippers, B. 2018. Population variation in traits of *Deladenus siricidicola* that could influence the biocontrol of *Sirex noctilio* in South Africa. *International Journal of Pest Management*, **64** (4), pp. 324-332. DOI: 10.1080/09670874.2017.1421327.
 104. Mole, M.A., Rodrigues DÁraujo, S., van Aarde, R.J., Mitchell, D., Fuller, A. 2018. Savanna elephants maintain homeothermy under African heat. *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, **188** (5), pp. 889-897. DOI: 10.1007/s00360-018-1170-5.
 105. Monadjem, A., Conenna, I., Taylor, P.J., Schoeman, M.C. 2018. Species richness patterns and functional traits of the bat fauna of arid Southern Africa. *Hystrix*, **29** (1). DOI: 10.4404/hystrix-00016-2017.
 106. Monadjem, A., Kane, A., Botha, A., Kelly, C., Murn, C. 2018. Spatially explicit poisoning risk affects survival rates of an obligate scavenger. *Scientific Reports*, **8** (1), art. no. 4364. DOI: 10.1038/s41598-018-22632-y.
 107. Monadjem, A., Kane, A., Taylor, P., Richards, L. R., Hall, G., Woodborne, S. 2018. Morphology and stable isotope analysis demonstrate different structuring of bat communities in rainforest and savannah habitats. *Royal Society Open Science* **5**: 180849.
 108. Montgomery, R.A., Elliott, K.C., Hayward, M.W., Gray, S.M., Millspaugh, J.J., Riley, S.J., Kissui, B.M., Kramer, D.B., Moll, R.J., Mudumba, T., Tans, E.D., Muneza, A.B., Abade, L., Beck, J.M., Hoffmann, C.F., Booher, C.R., Macdonald, D.W. 2018. Examining evident interdisciplinarity among prides of lion researchers. *Frontiers in Ecology and Evolution*, **6** (APR), art. no. 49. DOI: 10.3389/fevo.2018.00049 .
 109. Moroeng, O.M., Wagner, N.J., Hall, G., Roberts, R.J. 2018. Using $\delta^{15}\text{N}$ $\delta^{13}\text{C}$ and nitrogen functionalities to support a fire origin for certain inertinite macerals in a No. 4 seam upper Witbank coal, South Africa. *Organic Geochemistry*, **126**, 23-32.
 110. Mtsetfwa, F., McCleery, R.A., Monadjem, A. 2018. Changes in bat community composition and activity patterns across a conservation agriculture boundary. *African Zoology*, **53** (3), 99-106.
 111. Mugasa, C.M., Villinger, J., Gitau, J., Ndungu, N., Ciosi, M., Masiga, D. 2018. Morphological re-description and molecular identification of tabanidae (Diptera) in East Africa. *ZooKeys*, **2018 (769)**, pp. 117-144. DOI: 10.3897/zookeys.769.21144.
 112. Mumoki, F.N., Pirk, C.W.W., Yusuf, A.A., Crewe, R.M. 2018. Reproductive parasitism by worker honey bees suppressed by queens through regulation of worker mandibular secretions. *Scientific Reports*, **8** (1), art. no. 7701. DOI: 10.1038/s41598-018-26060-w.
 113. Ndungu, N.N., Kiatoko, N., Masiga, D.K., Raina, S.K., Pirk, C.W.W., Yusuf, A.A. 2018. Compounds extracted from heads of African stingless bees (*Hypotrigona* species) as a prospective taxonomic tool. *Chemoecology*, **28** (2), pp. 51-60. DOI: 10.1007/s00049-018-0256-6.
 114. Ndungu, N.N., Nkoba, K., Sole, C.L., Pirk, C.W.W., Abdullahi, A.Y., Raina, S.K., Masiga, D.K. 2018. Resolving taxonomic ambiguity and cryptic speciation of *Hypotrigona* species through morphometrics and DNA barcoding [Resolviendo la ambigüedad taxonómica y la especiación críptica de las especies de *Hypotrigona* a través de la morfometría y el

- código de barras de ADN]. *Journal of Apicultural Research*, **57** (3), pp. 354-363. DOI: 10.1080/00218839.2018.1426348.
115. Nel, W.J., Duong, T.A., Wingfield, M.J., Wingfield, B.D., Hammerbacher, A., de Beer, Z.W. Heterothallism revealed in the root rot fungi *Berkeleyomyces basicola* and *B. rouxiae*. 2018. *Fungal Biology*, **122** (11), pp. 1031-1040. DOI: 10.1016/j.funbio.2018.08.006.
 116. Nganso, B.T., Fombong, A.T., Yusuf, A.A., Pirk, C.W.W., Stuhl, C., Torto, B. 2018. Low fertility, fecundity and numbers of mated female offspring explain the lower reproductive success of the parasitic mite *Varroa destructor* in African honeybees. *Parasitology*, **145** (12), pp. 1633-1639. DOI: 10.1017/S0031182018000616.
 117. Ngcamphalala, C.A., Bailey, I.E., Nicolson, S.W. 2018. Nectar intake and foraging efficiency: the responses of sunbirds to flower morphology. *Journal of Ornithology* **159**:1031–1041.
 118. Nicolson, S.W., Da Silva Das Neves, S., Human, H., Pirk, C.W.W. 2018. Digestibility and nutritional value of fresh and stored pollen for honey bees (*Apis mellifera scutellata*). *Journal of Insect Physiology*, **107**, pp. 302-308. DOI: 10.1016/j.jinsphys.2017.12.008.
 119. Nosazeogie, E., Tende, T., Monadjem, A. 2018. Hooded Vultures *Necrosyrtes monachus* nearly extirpated from Edo State, Nigeria: a report on the avian scavenger community. *Ostrich*, **89** (3), pp. 265-273. DOI: 10.2989/00306525.2018.1480069.
 120. Nowrouzi, S., Andersen, A.N., Bishop, T.R., Robson, S.K.A. 2018. Is thermal limitation the primary driver of elevational distributions? Not for montane rainforest ants in the Australian Wet Tropics. *Oecologia*, **188** (2), pp. 333-342. DOI: 10.1007/s00442-018-4154-y.
 121. Nyasembe, V.O., Tchouassi, D.P., Pirk, C.W.W., Sole, C.L., Torto, B. 2018. Host plant forensics and olfactory-based detection in Afro-tropical mosquito disease vectors. *PLoS Neglected Tropical Diseases*, **12** (2), art. no. e0006185. DOI: 10.1371/journal.pntd.0006185.
 122. Oberprieler, R.G., Scholtz, C.H. 2018. The genus *Urodontidius louw* (Anthribidae: Urodontinae) rediscovered and its biological secrets revealed: A tribute to Schalk Louw (1952-2018). *Diversity*, **10** (3), art. no. 92. DOI: 10.3390/d10030092.
 123. O'Brien, K.A., Waterman, J.M., Anderson, W.G., Bennett, N.C. 2018. Trade-offs between immunity and testosterone in male African ground squirrels. *Journal of Experimental Biology*, **221** (16), art. no. jeb177683. DOI: 10.1242/jeb.177683.
 124. O'Connor, R.S., Brigham, R.M., McKechnie, A.E. 2018. Extreme operative temperatures in exposed microsites used by roosting Rufous-cheeked Nightjars (*Caprimulgus rufigena*): Implications for water balance under current and future climate conditions. *Canadian Journal of Zoology*, **96** (10), pp. 1122-1129. DOI: 10.1139/cjz-2017-0310.
 125. O'Connor, R.S., Smit, B., Talbot, W.A., Gerson, A.R., Brigham, R.M., Wolf, B.O., McKechnie, A.E. 2018. Avian thermoregulation in the heat: Is evaporative cooling more economical in nocturnal birds? *Journal of Experimental Biology*, **221** (17), art. no. jeb.181420. DOI: 10.1242/jeb.181420
 126. Onzere, C.K., Bastos, A.D., Okoth, E.A., Lichoti, J.K., Bochere, E.N., Owido, M.G., Ndambuki, G., Bronsvort, M., Bishop, R.P. 2018. Multi-locus sequence typing of African swine fever viruses from endemic regions of Kenya and Eastern Uganda (2011–2013) reveals rapid B602L central variable region evolution. *Virus Genes*, **54** (1), pp. 111-123. DOI: 10.1007/s11262-017-1521-4.
 127. Oosthuizen, W.C., Altwegg, R., Nevoux, M., Bester, M.N., de Bruyn, P.J.N. 2018. Phenotypic selection and covariation in the life-history traits of elephant seals: heavier offspring gain a double selective advantage. *Oikos* **127**: 875–889.
 128. Ospina-Garcés, S.M., Escobar, F., Baena, M.L., Davis, A.L.V., Scholtz, C.H. 2018. Do dung beetles show interrelated evolutionary trends in wing morphology, flight biomechanics and habitat preference. *Evolutionary Ecology*, **32** (6), pp. 663-682. DOI: 10.1007/s10682-018-9958-z.

129. Otto, M., Hammerbacher, A., Petersen, Y., Pierneef, R., Coutinho, T.A. 2018. Phenolic compound degradation by *Pseudomonas syringae* phylogroup 2 strains. *Journal of Plant Pathology*, **100** (2), pp. 279-286. DOI: 10.1007/s42161-018-0077-z.
130. Parker, D.M., Watermeyer, J.P., Davies-Mostert, H.T., Beverley, G., Marnewick, K. 2018. Attitudes and tolerance of private landowners shape the African wild dog conservation landscape in the greater Kruger National Park. *Endangered Species Research*, **36**, pp. 173-181. DOI: 10.3354/esr00905.
131. Patrut, A., Woodborne, S., Patrut, R.T., Rakosy, L., Lowy, D.A., Hall, G., von Reeden, K.F. 2018. The demise of the largest and oldest African baobabs. *Nature Plants* **4**(7): 423, with author correction *Nature Plants* **4** (7): 505.
132. Penry, G.S., Hammond, P.S., Cockcroft, V.G., Best, P.B., Thornton, M., Graves, J.A. 2018. Phylogenetic relationships in southern African Bryde's whales inferred from mitochondrial DNA: further support for subspecies delineation between the two allopatric populations. *Conservation Genetics*, **19** (6), pp. 1349-1365. DOI: 10.1007/s10592-018-1105-4.
133. Penteriani, V., Delgado, M.D.M., Krofel, M., Jerina, K., Ordiz, A., Dalerum, F., Zarzo-Arias, A., Bombieri, G. 2018. Evolutionary and ecological traps for brown bears *Ursus arctos* in human-modified landscapes. *Mammal Review*, **48** (3), pp. 180-193. DOI: 10.1111/mam.12123.
134. Pfeifer, M., Gonsamo, A., Woodgate, W., Cayuela, L., Marshall, A. R., Ledo, A., Paine, T.C.E., Marchant, R., Burt, A., Calders, K., Courtney-Mustaphi, C., Cuni-Sanchez, A., Deere, N.J., Denu, D., de Tanago, J. G., Hayward, R., Lau, A., Macía, M.J., Olivier, P. L., Pellikka, P., Seki, H., Shirima, D., Trevithick, R., Wedeux, B., Wheeler, C., Munishi, P. K. T., Martin, T., Mustari, A. and Platts, P.J. 2018. Tropical forest canopies and their relationships with climate and disturbance: results from a global dataset of consistent field-based measurement. *Forest Ecosystems* **5:7** DOI 10.1186/s40663-017-0118-7.
135. Pietersen, D.W., Little, I.T., Jansen, R. and McKechnie, A.E. 2018. Predicting the distribution of the Vulnerable Yellow-breasted Pipit (*Anthus chloris*) using Species Distribution Modelling. *EMU - AUSTRAL ORNITHOLOGY* **118** (2): 166–172.
136. Pietersen, D.W., Scholtz, C.H., Bastos, A.D.S. 2018. Multi-locus phylogeny of southern African *Acontias aurantiacus* (Peters) subspecies (Scincidae: Acontinae) confirms the presence of three genetically, geographically and morphologically discrete taxa. *Zootaxa*, **4442** (3), pp. 427-440. DOI: 10.11646/zootaxa.4442.3.5.
137. Pirk, C.W.W. 2018. Honeybee Evolution: Royal Jelly Proteins Help Queen Larvae to Stay on Top. *Current Biology*, **28** (8), pp. R350-R351. DOI: 10.1016/j.cub.2018.02.065.
138. Potts, J.R., Börger, L., Scantlebury, D.M., Bennett, N.C., Alagaili, A., Wilson, R.P. 2018. Finding turning-points in ultra-high-resolution animal movement data. *Methods in Ecology and Evolution*, **9** (10), pp. 2091-2101. DOI: 10.1111/2041-210X.13056.
139. Pretorius, M., Kearney, T., Keith, M., Markotter, W., Seamark, E., Broders, H. 2018. Increased body mass supports energy compensation hypothesis in the breeding female Natal long-fingered bat *Miniopterus natalensis*. *Acta Chiropterologica* **20** (2): 319-328.
140. Purdon, A., Mole, M.A., Chase, M.J., van Aarde, R.J. 2018. Partial migration in savanna elephant populations distributed across southern Africa. *Scientific Reports*, **8** (1), art. no. 11331. DOI: 10.1038/s41598-018-29724-9
141. Quembo, C.J., Jori, F., Vosloo, W., Heath, L. 2018. Genetic characterization of African swine fever virus isolates from soft ticks at the wildlife/domestic interface in Mozambique and identification of a novel genotype. *Transboundary and Emerging Diseases*, **65** (2), pp. 420-431. DOI: 10.1111/tbed.12700.
142. Rabello, A.M., Parr, C.L., Queiroz, A.C.M., Braga, D.L., Santiago, G.S., Ribas, C.R. 2018. Habitat attribute similarities reduce impacts of land-use conversion on seed removal. *Biotropica*, **50** (1), pp. 39-49. DOI: 10.1111/btp.12506. **R**

143. Ramond, J.B., Woodborne, S., Hall, G., Seely, M., Cowan, D.A. 2018. Namib Desert primary productivity is driven by cryptic microbial community N-fixation. *Scientific Reports* **8** (1), 6921.
144. Rauber, R. and Manser, M.B. Experience of the signaller explains the use of social versus personal information in the context of sentinel behaviour in meerkats. *Scientific Reports*, **8**: 11506.
145. Reisinger, R.R., Landman, M., Mgibantaka, N., Smale, M.J., Bester, M.N., De Bruyn, P.J.N., Pistorius, P.A. 2018. Overlap and temporal variation in the diets of sympatric Antarctic and Subantarctic fur seals (*Arctocephalus spp.*) at Marion Island, Prince Edward Islands. *Polar Research*, **37** (1), art. no. 1451142. DOI: 10.1080/17518369.2018.1451142.
146. Reisinger, R.R., Raymond, B., Hindell, M.A., Bester, M.N., Crawford, R.J.M., Davies, D., de Bruyn, P.J.N., Dilley, B.J., Kirkman, S.P., Makhado, A.B., Ryan, P.G., Schoombie, S., Stevens, K., Sumner, M.D., Tosh, C.A., Wege, M., Whitehead, T.O., Wotherspoon, S., Pistorius, P.A. 2018. Habitat modelling of tracking data from multiple marine predators identifies important areas in the Southern Indian Ocean. *Diversity and Distributions*, **24** (4), pp. 535-550. DOI: 10.1111/ddi.12702.
147. Robson, A.S., van Aarde, R.J. 2018 Changes in elephant conservation management promote density-dependent habitat selection in the Kruger National Park. *Animal Conservation*, **21** (4), pp. 302-312. DOI: 10.1111/acv.12393.
148. Rodas, C.A., Hurley, B.P., Bolaños, M.D., Granados, G.M., Wingfield, M.J. 2018. Biology of *Litosermyle ocaanae* in Colombian *Pinus patula* plantations. *Southern Forests*, **80** (3), pp. 279-284. DOI: 10.2989/20702620.2017.1334175.
149. Roets, P.D., Bosua, H., Ruth Archer, C., Weldon, C.W. 2018. Life-history and demographic traits of the marula fruit fly *Ceratitidis cosyra*: potential consequences of host specialization. *Physiological Entomology*, **43** (4), pp. 259-267. DOI: 10.1111/phen.12255.
150. Rogan, M.S., Miller, J.R.B., Lindsey, P.A., McNutt, J.W. 2018. Socioeconomic drivers of illegal bushmeat hunting in a Southern African Savanna. *Biological Conservation*, **226**, pp. 24-31. DOI: 10.1016/j.biocon.2018.07.019.
151. Rolo, V., Olivier, P.I., van Aarde, R.J. 2018. Determinants of canopy gap characteristics in rehabilitating coastal dune forests. *Applied Vegetation Science*, **21**: pp. 451 - 460. DOI: 10.1111/avsc.12380
152. Rolo, V., Olivier, P.I., Pfeifer, M., van Aarde, R.J. 2018. Functional diversity mediates contrasting direct and indirect effects of fragmentation on below- and above-ground carbon stocks of coastal dune forests. *Forest Ecology and Management*, **407**, pp 174-183.
153. Rubino, E.C., Pienaar, E.F., Soto, J.R. 2018. Structuring legal trade in Rhino Horn to incentivize the participation of South African private landowners. *Ecological Economics*, **154**, 306-316.
154. Scheun, J., Greeff, D., Ganswindt, A. 2018. Non-invasive monitoring of glucocorticoid metabolite concentrations in urine and faeces of the Sungazer (*Smaug giganteus*). *PeerJ* **6**: e6132.
155. Schmitt, M.H., Shuttleworth, A., Ward, D., Shrader, A.M. 2018. African elephants use plant odours to make foraging decisions across multiple spatial scales. *Animal Behaviour*, **141**, pp. 17-27. DOI: 10.1016/j.anbehav.2018.04.016.
156. Scholtz, C.H., Basson, R.J., Bologna, M.A. 2018. The Phoretic Association between *Cyaneolytta Péringuey* (Coleoptera: Meloidae) *Triungulins* and *Anthia Weber* (Coleoptera: Carabidae) in Southern Africa. *African Entomology*, **26** (2), pp. 555-558. DOI: 10.4001/003.026.0555.
157. Scholtz, C.H., Bazelet, C.S., de Klerk, H. 2018. Gryllacrididae (Orthoptera: Ensifera) in southern Africa. *Journal of Orthoptera Research*, **27** (2): 183-186.

158. Schoombie, S., Schoombie, J., Oosthuizen, A., Suleman, E., Jones, M.G.W., Pretorius, L., Dilley, B.J., Ryan, P.G. 2018. Avian pox in seabirds on Marion Island, Southern Indian Ocean. *Antarctic Science*, **30** (1), 3-12.
159. Seeber, P.A., Franz, M., Dehnhard, M., Ganswindt, A., Greenwood, A.D., East, M.L. 2018. Plains zebra (*Equus quagga*) adrenocortical activity increases during times of large aggregations in the Serengeti ecosystem. *Hormones and Behavior*, **102**, pp. 1-9. DOI: 10.1016/j.yhbeh.2018.04.005.
160. Simelane, F.N., Mahlaba, T.A.M., Shapiro, J.T., Macfadyen, D., Monadjem, A. 2018. Habitat associations of small mammals in the foothills of the Drakensberg Mountains, South Africa. *Mammalia*, **82** (2), pp. 144-152. DOI: 10.1515/mammalia-2016-0130.
161. Skorupskaitė, K., George, J.T., Veldhuis, J.D., Millar, R.P., Anderson, R.A. 2018. Neurokinin 3 Receptor antagonism reveals roles for Neurokinin B in the regulation of Gonadotropin secretion and hot flashes in Postmenopausal women. *Neuroendocrinology*, **106**(2), 148-157.
162. Smit, B., Whitfield, M.C., Talbot, W.A., Gerson, A.R., McKechnie, A.E., Wolf, B.O. 2018. Avian thermoregulation in the heat: Phylogenetic variation among avian orders in evaporative cooling capacity and heat tolerance. *Journal of Experimental Biology*, **221** (6), art. no. jeb.174870. DOI: 10.1242/jeb.174870.
163. Smyth, K.N., Caruso, N.M., Davies, C.S., Clutton-Brock, T.H., Drea, C.M. 2018. Social and endocrine correlates of immune function in meerkats: Implications for the immunocompetence handicap hypothesis. *Royal Society Open Science*, **5** (8), art. no. 180435. DOI: 10.1098/rsos.180435.
164. Snyman, L.P., Sole, C.L., Michael, O.H.L. 2018. A revision of and keys to the genera of the Mantispinae of the Oriental and Palearctic regions (Neuroptera: Mantispidae). *Zootaxa*, **4450** (5), pp. 501-549. DOI: 10.11646/zootaxa.4450.5.1.
165. Steenkamp, G., Boy, S.C., Van Staden, P.J. & Bester, M.N. 2018. Oral, maxillofacial and dental diseases in captive cheetah (*Acinonyx jubatus*). *Journal of Comparative Pathology* **158**, 77-89.
166. Steinhauer, N., Kulhanek, K., Antúnez, K., Human, H., Chantawannakul, P., Chauzat, M.-P., vanEngelsdorp, D. 2018. Drivers of colony losses. *Current Opinion in Insect Science*, **26**, pp. 142-148. DOI: 10.1016/j.cois.2018.02.004.
167. Stephenson, P.J., Monadjem, A., Decher, J. 2018. Uplisting a threatened small mammal: the Nimba otter-shrew of West Africa. *Oryx*, **52** (4): 609-616.
168. Strampelli, P., Andresen, L., Everatt, K.T., Somers, M.J., Rowcliffe, J.M. 2018. Habitat use responses of the African Leopard in a human-disturbed region of rural Mozambique. *Mammalian Biology*. **89**, 14-20.
169. Talbot, W.A., Gerson, A. R., Smith, E.K., McKechnie, A.E. and Wolf, B. O. 2018. Avian thermoregulation in the heat: metabolism, evaporative cooling and gular flutter in two small owls. *Journal of Experimental Biology* **221**, jeb171108. doi:10.1242/jeb.171108.
170. Taylor, P.J., Macdonald, A., Goodman, S.T., Kearney, T., Cotterill, F.P.D., Stoffberg, S., Monadjem, A., Schoeman, M.C, Guyton, J., Naskrecki, P., Richards, L.R. 2018. Integrative taxonomy resolves three new crptic species of small southern African horseshoe bats (*Rhinolophus*). *Zoological journal of the Linnean Society*, **184**: 1249-1276.
171. Taylor, P.J., Neef, G., Keith, M., Weier, S., Monadjem, A., Parker, D.M. 2018. Tapping into technology and the biodiversity informatics revolution: Updated terrestrial mammal list of Angola, with new records from the Okavango basin. *ZooKeys*, **2018** (779), pp. 51-88. DOI: 10.3897/zookeys.779.25964.
172. Thompson, M.L., Cunningham, S.J., McKechnie, A.E. 2018. Interspecific variation in avian thermoregulatory patterns and heat dissipation behaviours in a subtropical desert. *Physiology and Behavior*, **188**, pp. 311-323. DOI: 10.1016/j.physbeh.2018.02.029.

173. Thorley, J., Katlein, N., Goddard, K., Zöttl, M., Clutton-Brock, T. 2018. Reproduction triggers adaptive increases in body size in female mole-rats. *Proceedings of the Royal Society B: Biological Sciences*, **285** (1880), art. no. 20180897. DOI: 10.1098/rspb.2018.0897.
174. Thorley, J., Mendonça, R., Vulllioud, P., Torrents-Ticó, M., Zöttl, M., Gaynor, D., Clutton-Brock, T. 2018. No task specialization among helpers in Damaraland mole-rats. *Animal Behaviour*, **143**, pp. 9-24. DOI: 10.1016/j.anbehav.2018.07.004.
175. Torrents-Ticó, M., Bennett, N.C., Jarvis, J.U.M., Zöttl, M. 2018. Sex differences in timing and context of dispersal in Damaraland mole-rats (*Fukomys damarensis*). *Journal of Zoology*, **306**, pp 252-257. DOI: 10.1111/jzo.12602.
176. Torrents-Ticó, M., Bennett, N.C., Jarvis, J.U.M., Zöttl, M. 2018. Growth affects dispersal success in social mole-rats, but not the duration of philopatry. *Biology Letters*, **14** (2), art. no. 20180005. DOI: 10.1098/rsbl.2018.0005.
177. Travers, T., van den Hoff, J., Lea, M.-A., Carlyon, K., Reisinger, R., de Bruyn, P.J.N., Morrice, M. 2018. Aspects of the ecology of killer whale (*Orcinus orca* Linn.) groups in the near-shore waters of Sub-Antarctic Macquarie Island. *Polar Biology*, **41** (11), pp. 2249-2259. DOI: 10.1007/s00300-018-2361-y.
178. Tucker, M.A., Böhning-Gaese, K., Fagan, W.F., Fryxell, J.M., Van Moorter, B., Alberts, S.C., Ali, A.H., Allen, A.M., Attias, N., Avgar, T., Bartlam-Brooks, H., Bayarbaatar, B., Belant, J.L., Bertassoni, A., Beyer, D., Bidner, L., Van Beest, F.M., Blake, S., Blaum, N., Bracis, C., Brown, D., de Bruyn, P.J.N., Cagnacci, F., Calabrese, J.M., Camilo-Alves, C., Chamailé-Jammes, S., Chiaradia, A., Davidson, S.C., Dennis, T., DeStefano, S., Diefenbach, D., Douglas-Hamilton, I., Fennessy, J., Fichtel, C., Fiedler, W., Fischer, C., Fischhoff, I., Fleming, C.H., Ford, A.T., Fritz, S.A., Gehr, B., Goheen, J.R., Gurarie, E., Hebblewhite, M., Heurich, M., Hewison, A.J.M., Hof, C., Hurme, E., Isbell, L.A., Janssen, R., Jeltsch, F., Kaczensky, P., Kane, A., Kappeler, P.M., Kauffman, M., Kays, R., Kimuyu, D., Koch, F., Kranstauber, B., LaPoint, S., Leimgruber, P., Linnell, J.D.C., López-López, P., Markham, A.C., Mattisson, J., Medici, E.P., Mellone, U., Merrill, E., De Miranda Mourão, G., Morato, R.G., Morellet, N., Morrison, T.A., Díaz-Muñoz, S.L., Mysterud, A., Nandintsetseg, D., Nathan, R., Niamir, A., Odden, J., O'Hara, R.B., Oliveira-Santos, L.G.R., Olson, K.A., Patterson, B.D., De Paula, R.C., Pedrotti, L., Reineking, B., Rimmler, M., Rogers, T.L., Rolandsen, C.M., Rosenberry, C.S., Rubenstein, D.I., Safi, K., Saïd, S., Sapir, N., Sawyer, H., Schmidt, N.M., Selva, N., Sergiel, A., Shiilegdamba, E., Silva, J.P., Singh, N., Solberg, E.J., Spiegel, O., Strand, O., Sundaresan, S., Ullmann, W., Voigt, U., Wall, J., Wattles, D., Wikelski, M., Wilmers, C.C., Wilson, J.W., Wittemyer, G., Zięba, F., Zwijacz-Kozica, T., Mueller, T. 2018. Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. *Science*, **359** (6374), pp. 466-469. DOI: 10.1126/science.aam9712.
179. van Dam, N.M., Wondafrash, M., Mathur, V., Tytgat, T.O.G. 2018. Differences in hormonal signaling triggered by two root-feeding nematode species result in contrasting effects on aphid population growth. *Frontiers in Ecology and Evolution*, **6** (JUN), art. no. 88. DOI: 10.3389/fevo.2018.00088.
180. van der Horst, G., Medger, K., Steckler, D., Luther, I., Bartels, P. 2018. Bottlenose dolphin (*Tursiops truncatus*) sperm revisited: Motility, morphology and ultrastructure of fresh sperm of consecutive ejaculates. *Animal Reproduction Science*, **195**, pp. 309-320. DOI: 10.1016/j.anireprosci.2018.06.009.
181. van der Merwe, I., Lukáts, Á., Bláhová, V., Oosthuizen, M.K., Bennett, N.C., Němec, P. 2018. The topography of rods, cones and intrinsically photosensitive retinal ganglion cells in the retinas of a nocturnal (*Micaelamys namaquensis*) and a diurnal (*Rhabdomys pumilio*) rodent. *PLoS ONE*, **13** (8), art. no. e0202106. DOI: 10.1371/journal.pone.0202106.

182. van Hooft, P., Dougherty, E.R., Getz, W.M., Greyling, B.J., Zwaan, B.J., Bastos, A.D.S. 2018. Genetic responsiveness of African buffalo to environmental stressors: A role for epigenetics in balancing autosomal and sex chromosome interactions? *PLoS ONE*, **13** (2), art. no. e0191481.
183. van Hooft, P., Keet, D.F., Brebner, D.K., Bastos, A.D.S. 2018. Genetic insights into dispersal distance and disperser fitness of African lions (*Panthera leo*) from the latitudinal extremes of the Kruger National Park, South Africa. *BMC Genetics*, **19** (1), art. no. 21. DOI: 10.1186/s12863-018-0607-x.
184. van Vollenhoven, E., Grant, C.C, Fletcher, L. Schulman, M.T., Page, P.C., Ganswindt, A. 2018. Salivary Glucocorticoid and Fecal Glucocorticoid Metabolite concentrations in pony mares during Transrectal Palpation of the reproductive tract by veterinary students. *Journal of Equine Veterinary Science*, **70**: 7-12.
185. Vermeulen, E. 2018. Association patterns of bottlenose dolphins (*Tursiops truncatus*) in Bahía San Antonio, Argentina. *Marine Mammal Science* **34** (3): 687-700.
186. Vermeulen, E. 2018. Intertidal habitat use of bottlenose dolphins (*Tursiops truncatus*) in Bahía San Antonio, Argentina. *Journal of the Marine Biological Association of the United Kingdom* **98** (5) pp. 1109-1118.
187. Vermeulen, E., Bouveroux, T., Plön, S., Atkins, S., Chivell, W., Cockcroft, V., Conry, D., Gennari, E., Hörbst, S., James, B.S., Kirkman, S., Penry, G., Pistorius, P., Thornton, M., Vargas-Fonseca, O.A., Elwen, S.H. 2018. Indian Ocean humpback dolphin (*Sousa plumbea*) movement patterns along the South African coast. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **28** (1), pp. 231-240. DOI: 10.1002/aqc.2836.
188. Verburgt, L., Verburgt, U.K., Branch, W.R. 2018. A new species of *Scolecoseps* (Reptilia: Scincidae) from coastal north-eastern Mozambique. *African Journal of Herpetology*, **67** (1), pp. 86-98. DOI: 10.1080/21564574.2017.1413014.
189. Visser, J.H., Bennett, N.C., Van Vuuren, B.J. 2018. Spatial genetic diversity in the Cape mole-rat, *Georchus capensis*: Extreme isolation of populations in a subterranean environment. *PLoS ONE*, **13** (3), art. no. e0194165. DOI: 10.1371/journal.pone.0194165.
190. Vogel, J.T., Somers, M.J., enter, J.A. 2018. The Foraging ecology of reintroduced African wild dog in small protected areas. *Wildlife Biology* wlb00424.
191. Voigt, C., Bennett, N. 2018. Reproductive status affects the expression of prolactin receptor mRNA in the brain of female Damaraland mole-rats. *Journal of Chemical Neuroanatomy*, **94**, pp. 1-7. DOI: 10.1016/j.jchemneu.2018.08.002.
192. Voigt, C., Bennett, N.C. 2018. Reproductive status-dependent kisspeptin and RFamide-related peptide (Rfrp) gene expression in female Damaraland mole-rats. *Journal of Neuroendocrinology*, **30** (3), art. no. e12571. DOI: 10.1111/jne.12571.
193. Voigt, C., Hirschenhauser, K., Leitner, S. 2018. Neural activation following offensive aggression in Japanese quail. *Biology Open*. 7: bio038026. DOI:10.1242/bio.038026.
194. Walcher, J., Ojeda-Alonso, J., Haseleu, J., Oosthuizen, M.K., Rowe, A.H., Bennett, N.C., Lewin, G.R. 2018. Specialized mechanoreceptor systems in rodent glabrous skin. *Journal of Physiology*, **596** (20), pp. 4995-5016. DOI: 10.1113/JP276608.
195. Webber, J.T., Henley, M.D., Pretorius, Y., Somers, M.J., Ganswindt, A. 2018. Changes in African Elephant (*Loxodonta africana*) faecal steroid concentrations post-defaecation. *Bothalia*, **48** (2), art. no. a2312. DOI: 10.4102/abc.v48i2.2312.
196. Webster, A.B., Burroughs, R.E.J., Laver, P., Ganswindt, A. 2018. Non-Invasive Assessment of Adrenocortical Activity as a Measure of Stress in Leopards *Panthera pardus*. *African Zoology*, **53** (2), pp. 53-60. DOI: 10.1080/15627020.2018.1467280.
197. Weise, F.J., Hayward, M.W., Aguirre, R.C., Tomeletso, M., Gadimang, P., Somers, M.J., Stein, A.B. 2018. Size, shape and maintenance matter: A critical appraisal of a global carnivore conflict mitigation strategy-Livestock protection kraals in northern Botswana. *Biological Conservation*, **225**: 88-97.

198. Wiesel, I., Zimmerman, D., Suedmeyer, W.D. 2018. Serum biochemistry values and select serologic assays of brown hyenas (*Parahyaena brunnea*) in the Namib Desert. *Journal of Zoo and Wildlife Medicine*, **49**, 4, 931-942.
199. Weldon, C.W., Nyamukondiwa, C., Karsten, M., Chown, S.L., Terblanche, J.S. 2018. Geographic variation and plasticity in climate stress resistance among southern African populations of *Ceratitis capitata* (Wiedemann) (Diptera: Tephritidae). *Scientific Reports*, **8** (1), art. no. 9849. DOI: 10.1038/s41598-018-28259-3.
200. Westbury, M.V., Hartmann, S., Barlow, A., Wiesel, I., Leo, V., Welch, R., Parker, D.M., Sicks, F., Ludwig, A., Dalen, L., Hofreiter, M. 2018. Extended and continuous decline in effective population size results in low genomic diversity in the world's rarest hyena species, the brown Hyena. *Molecular Biology and Evolution*, **35** (5), pp. 1225-1237. DOI: 10.1093/molbev/msy037.
201. Wijers, M., Trethowan, P., Markham, A., du Preez, B., Chamaillé-Jammes, S., Loveridge, A., Macdonald, D. 2018. Listening to Lions: Animal-borne acoustic sensors improve bio-logger calibration and behaviour classification performance. *Frontiers in Ecology and Evolution*, **6** (OCT), art. no. 171. DOI: 10.3389/fevo.2018.00171.
202. Williams, S.T., Maree, N., Taylor, P., Belmain, S.R., Keith, M., Swanepoel, L.H. 2018. Camera trap and questionnaire dataset on ecosystem services provided by small carnivores in agro-ecosystems in South Africa. *Data in Brief*, **18**, pp. 753-759. DOI: 10.1016/j.dib.2018.03.071.
203. Williams, S.T., Maree, N., Taylor, P., Belmain, S.R., Keith, M., Swanepoel, L.H. 2018. Predation by small mammalian carnivores in rural agro-ecosystems: An undervalued ecosystem service? *Ecosystem Services*, **30**, pp. 362-371. DOI: 10.1016/j.ecoser.2017.12.006.
204. Wilson, J.R.U., Faulkner, K.T., Rahlao, S.J., Richardson, D.M., Zengeya, T.A., van Wilgen, B.W. Indicators for monitoring biological invasions at a national level. 2018. *Journal of Applied Ecology*, **55** (6), pp. 2612-2620. DOI: 10.1111/1365-2664.13251.
205. Wingfield, B.D., Bills, G. F., Dong, Y., Huang W., Nel, W.J., Swalarsk-Parry, B.S., Vaghefi, N., Wilken, P. M., An, Z., de Beer, Z.W., De Vos, L., Chen L., Duong, T. A., Gao, Y., Hammerbacher, A., Julie R. Ikkert, J.R., Li, Y., Li, H., Li, K., Li, Q., Liu, X., Ma, X., Naidoo, K., Pethybridge, S. J., Sun, J., Steenkamp, E.T., van der Nest, M.A., van Wyk, T., Wingfield, M.J., Xiong, C., Yue, Q. and Zhang, X. 2018. Draft genome sequence of *Annulohyphoxylon stygium*, *Aspergillus mulundensis*, *Berkeleyomyces basicola* (syn. *Thielaviopsis basicola*), *Ceratocystis smalleyi*, two *Cercospora beticola* strains, *Coleophoma cylindrospora*, *Fusarium fracticaudum*, *Phialophora* cf. *hyalina*, and *Morchella septimelata*. *IMA FUNGUS* · **9** (1): 185–208.
206. Wolf, T.E., Bennett, N.C., Burroughs, R., Ganswindt, A. 2018. The impact of age-class and social context on fecal glucocorticoid metabolite levels in free-ranging male giraffes. *General and Comparative Endocrinology*, **255**, pp. 26-31. DOI: 10.1016/j.ygcen.2017.09.022.
207. Wolf, T. E., Benavides Valades, G., Simelane, P. Bennett, N.C., Ganswindt, A. 2018. The relationship between physical injury, body condition and stress-related hormone concentrations in free-ranging giraffes. *Wildlife Biology* **1**, pp 1-6.
208. Wolf, T.E., Ngonga Ngomo, A.-C., Bennett, N.C., Burroughs, R., Ganswindt, A. 2018. Seasonal changes in social networks of giraffes. *Journal of Zoology*, **305** (2), pp. 82-87. DOI: 10.1111/jzo.12531.
209. Wolf, T.E., Schaebs, F.S., Bennett, N.C., Burroughs, R., Ganswindt, A. 2018. Age and socially related changes in fecal androgen metabolite concentrations in free-ranging male giraffes. *General and Comparative Endocrinology*, **255**, pp. 19-25. DOI: 10.1016/j.ygcen.2017.09.028.
210. Wondafrash, M., Slippers, B., Garnas, J., Hurley, B.P. 2018. Parasitoid assemblage associated with a North American pine weevil in South Africa. *Agricultural and Forest Entomology*, **20** (2), pp. 208-216. DOI: 10.1111/afe.12246.

211. Woodborne, S., Hall, G., Jones, C., Loader, N., Patrut, A., Patrut, R., Robertson I., Winkler, S., Wnterbach C. 2018. A 250-Year Isotopic Proxy Rainfall Record from Southern Botswana. *Studia Universitatis Babe-Bolyai Chemia*, **63** (1), 109-123.
212. Wright, G.A., Nicolson, S.W., Shafir, S. 2018. Nutritional Physiology and Ecology of Honey Bees. *Annual Review of Entomology*, **63**, pp. 327-344. DOI: 10.1146/annurev-ento-020117-043423.
213. Yusuf, A.A., Crewe, R.M., Pirk, C.W.W. 2018. Turning workers into false queens: the role of exogenous pheromones in regulating reproduction in worker honey bees. *Journal of Experimental Biology*, **221** (13), art. no. jeb175505. DOI: 10.1242/jeb.175505.
214. Zöttl, M., Vulllioud, P., Goddard, K., Torrents-Ticó, M., Gaynor, D., Bennett, N.C., Clutton-Brock, T. 2018. Allo-parental care in Damaraland mole-rats is female biased and age dependent, though independent of testosterone levels. *Physiology and Behavior*, **193**, pp. 149-153. DOI: 10.1016/j.physbeh.2018.03.021.