

BOTANY AND ZOOLOGY

Journal articles

1. ABDOULLAYE D, ACEVEDO I, ADEBAYO AA, BEHRMANN-GODEL J, BENJAMIN RC, BOCK DG, BORN C, BROUAT C, CACCONE A, CAO L, CASADO-AMEZUA P, CATANÉO J, CORREA-RAMIREZ MM, CHRISTESCU ME, DOBIGNY G, EGBOSIMBA EE, ETCHBERGER LK, FAN B, FIELDS PD, FORCIOLEI D, FURLA P, GARCIA DE LEON FJ, GARCIA-JIMENEZ R, GAUTHIER P, GERGS R, GONZÁLEZ C, GRANJON L, GUTIÉRREZ-RODRÍGUEZ C, HAVILL NP, HELSEN P, HETHER TD, HOFFMAN EA, HU X, INGVARSSON PK, ISHIZAKI S, JI H, JI XS, JIMENEZ ML, KAPIL R, KARBAN R, KELLER SR, KUBOTA S, LI S, LI W, LIM DD, LIN H, LIU X, LUO Y, MACHORDOM A, MARTIN AP, MATTHYSEN E, MAZZELLA MN, MC GEOCH MA, MENG Z, NISHIZAWA M, O'BRIEN PCM, OHARA M, ORNELAS JF, ORTU MF, PEDERSON AB, PRESTON L, REN Q, ROTHHAUPT K, SACKETT LC, SANG Q, SAWYER GM, SHIOJIRI K, TAYLOR DR, VAN DONGEN S, JANSEN VAN VUUREN B, VANDEWOESTIJNE S, WANG H, WANG JT, WANG L, XU X, YANG G, YANG, Y, ZENG YQ, ZHANG F, ZHANG J, ZHAO Y, ZHOU, Y. Permanent genetic resources added to Molecular Ecology Resources Database 1 August 2009-30 September 2009. *Molecular Ecology Resources* 2010; **10**: 232-236.
2. ALBERT B, NADOT S, DREYER LL, RESSAYRE A. The influence of tetrad shape and intersporal callose wall formation on pollen aperture pattern ontogeny in two eudicot species. *Annals of Botany* 2010; **106**: 557-564.
3. ALLWOOD J, GLEESON D, MAYER G, DANIELS SR, BEGGS JR, BUCKLEY TR. Support for vicariant origins of the New Zealand Onychophora. *Journal of Biogeography* 2010; **37**: 669-681.
4. ANDERSON BC, ALEXANDERSSON R, JOHNSON SD. Evolution and coexistence of pollination ecotypes in an African *Gladiolus* (Iridaceae). *Evolution* 2009; **64**: (4) 960-972.
5. ANDERSON BC, TERBLANCHE JS, ELLIS AG. Predictable patterns of trait mismatches between interacting plants and insects. *BMC Evolutionary Biology* 2010; **10**: 204-206.
6. ANDERSON BC. "African Dinosaurs": Permanent new exhibition at the South African Museum. *South African Journal of Science* 2010; **106**: 7-8.
7. ANDERSON BC. Did *Drosera* evolve long scapes to stop their pollinators from being eaten? *Annals of Botany* 2010; **106**: 653-657.
8. APPLEQUIST WL, CALLMANDER MW, DAVIDSE G, SENNIKOV A, THULIN M, VORSTER PJ, YATSKIEVYCH G. Apportionment of institutional votes for the Nomenclature Section: A rebuttal to Smith & al. *Taxon* 2010; **59**: 1567-1570.
9. BARNAUD A, HOULISTON GJ. Population genetics of the threatened tree daisy *Olearia gardneri* (Asteraceae), conservation of a critically endangered species. *Conservation Genetics* 2010; **11**: 1515-1522.
10. BLACKBURN DG, FLEMMING AF. Reproductive specializations in a viviparous African skink and its implications for evolution and conservation. *Herpetological Conservation and Biology* 2010; **5**: 263-270.
11. BLOMEFIELD TL, GILIOMEE JH. Head capsule widths and the rate of development of the instars of the codling moth, *Cydia pomonella* (Linnaeus) (Lepidoptera: Tortricidae). *African Entomology* 2009; **17**: 28-33.
12. BOUT N, BORN C, SPOHR C. Evidence that the spotted hyena is present in the rainforest-savannah mosaic of south-east Gabon. *Mammalian Biology* 2010; **75**: 175-179.
13. BRABAND A, CAMERON SL, PODSIADLOWSKI L, DANIELS SR, MAYER G. The mitochondrial genome of the onychophoran *Opisthopatus cinctipes*

(Peripatopsidae) reflects the ancestral mitochondrial gene arrangement of Panarthropoda and Ecdysozoa. *Molecular Phylogenetics and Evolution* 2010; **57**: 285-292.

14. BRABAND A, PODSIADLOWSKI L, CAMERON SL, DANIELS SR, MAYER G. Extensive duplication events account for multiple control regions and pseudo-genes in the mitochondrial genome of the velvet worm *Metaperipatus inae* (Onychophora, Peripatopsidae). *Molecular Phylogenetics and Evolution* 2010; **57**: 293-300.
15. BRANCH WR, TOLLEY KA. A new species of chameleon (Sauria: Chamaeleonidae: *Nadzikambia*) from Mount Mabu, central Mozambique. *African Journal of Herpetology* 2010; **59**: 157-172.
16. BRASCHLER B, MAHOOD K, KARENÝI N, GASTON KJ, CHOWN SL. Realizing a synergy between research and education: how participation in ant monitoring helps raise biodiversity awareness in a resource-poor country. *Journal of Insect Conservation* 2010; **14**: 19-30.
17. BUTCHART SH, WALPOLE M, COLLEN B, VAN STRIEN A, SCHARLEMANN JPW, ALMOND REA, BAILLIE JEM, BOMHARD B, BROWN C, BRUNO J, CARPENTER KE, CARR GM, CHANSON J, CHENERY AM, CSIRKE J, DAVIDSON NC, DENTENER F, FOSTER M, GALLI A, GALLOWAY JN, GENOVESI P, GREGORY RD, HOCKINGS M, KAPOS V, LAMARQUE J, LEVERINGTON F, LOH J, MCGEOCH MA, MCRAE L, MINASYAN A, HERNÁNDEZ MORCILLO M, OLDFIELD TEE, PAULY D, QUADER S, REVENGA C, SAUER JR, SKOLNIK B, SPEAR D, STANWELL-SMITH D, STUART SN, SYMES A, TIERNEY M, TYRRELL TD, VIÉ J-C, WATSON R. Global Biodiversity: Indicators of Recent Declines. *Science* 2010; **328**: 1164-1168.
18. BUYS MH, NORDENSTAM B. Candolle's Prodromus: the role of father and son in relation to names in *Lobostemon* (Boraginaceae) and typification thereof. *Candollea* 2009; **64**: 289-293.
19. BUYS MH, NORDENSTAM B. Nomenclature notes on *Echium fruticosum* var. *major* and var. *minor*. *Bothalia* 2010; **40**: 118-119.
20. CHERRY MI, GOSLER AG. Avian eggshell coloration: new perspectives on adaptive explanations. *Biological Journal of the Linnean Society* 2010; **100**: 753-762.
21. CHOWN SL, GASTON KJ, VAN KLEUNEN M, CLUSELLA-TRULLAS S. Population responses within a landscape matrix: a macrophysiological approach to understanding climate change impacts. *Evolutionary Ecology* 2010; **24**: 601-616.
22. CHOWN SL, GASTON KJ. Body size variation in insects: a macroecological perspective. *Biological Reviews* 2010; **85**: 139-169.
23. CHOWN SL, HOFFMANN AA, KRISTENSEN TN, ANGILLETTA MJ, STENSETH NC, PERTOLDI C. Adapting to climate change: a perspective from evolutionary physiology. *Climate Research* 2010; **43**: 3-15.
24. CHOWN SL. South Africa: big science should stay on the agenda. *Nature* 2010; **464**: 30.
25. CHOWN SL. Temporal biodiversity change in transformed landscapes: a southern African perspective. *Philosophical Transactions of the Royal Society of London Series B-Biological Sciences* 2010; **365**: 3729-3742.
26. CLOETE KJ, VALENTINE AJ, BOTHA A. Effect of the soil yeast *Cryptococcus laurentii* on the photosynthetic water and nutrient-use efficiency and respiratory carbon costs of a Mediterranean sclerophyll, *Agathosma betulina* (Berg.) Pillans. *Symbiosis* 2010; **51**: 245-248.
27. CLUSELLA-TRULLAS S, TERBLANCHE J, CHOWN SL. Phenotypic Plasticity of Locomotion Performance in the Seed Harvester *Messor capensis* (Formicidae). *Physiological and Biochemical Zoology* 2010; **3**: 519-530.
28. COLANGELO P, CASTIGLIA R, FRANCHINI P, SOLANO E. Pattern of shape variation in the eastern African gerbils of the genus *Gerbilliscus* (Rodentia, Muridae): Environmental correlations and implication for taxonomy and systematics. *Mammalian Biology* 2010; **75**: 302-310.

29. COLLING J, GROENEWALD JH, MAKUNGA NP. Genetic alterations for increased coumarin production lead to metabolic changes in the medicinally important *Pelargonium sidoides* DC (Geraniaceae). *Metabolic Engineering* 2010; **12**: 561-572.
30. COLLING J, STANDER MA, MAKUNGA NP. Nitrogen supply and abiotic stress influence canavanine synthesis and the productivity of *in vitro* regenerated *Sutherlandia frutescens* microshoots. *Journal of Plant Physiology* 2010; **167**: 1521-1524.
31. DANIELS SR, HOFMEYR MD, HENEN BT, BAARD EHW. Systematics and phylogeography of a threatened tortoise, the speckled padloper. *Animal Conservation* 2010; **13**: 237-246.
32. DANIELS SR, RUHBERG H. Molecular and morphological variation in a South African velvet worm *Peripatopsis moseleyi* (Onychophora, Peripatopsidae): evidence for cryptic speciation. *Journal of Zoology* 2010; **282**: 171-179.
33. DAVIES RG, IRLICH UM, CHOWN SL, GASTON KJ. Ambient, productive and wind energy, and ocean extent predict global species richness of procellariiform seabirds. *Global Ecology and Biogeography* 2010; **19**: 98-110.
34. DEVOS N, BARKER NP, NORDENSTAM B, MUCINA L. A multi-locus phylogeny of *Euryops* (Asteraceae, Scenecioneae) augments support for the "Cape to Cairo" hypothesis of floral migration in Africa. *Taxon* 2010; **59**: 57-67.
35. DOWNEY NJ, ROBERTS MJ, BAIRD D. An investigation of the spawning behaviour of the chokka squid *Loligo reynaudii* and the potential effects of temperature using acoustic telemetry. *Ices Journal of Marine Science* 2010; **67**: 231-243.
36. DREYER LL, OBERLANDER KC, ROETS F. Reassessment of the taxonomic status of *Oxalis fabaeifolia* (Oxalidaceae) and the description of a unique variety of *Oxalis flava* from the Northern Cape Province of South Africa. *Blumea* 2010; **55**: 253-258.
37. EGOH B, REYERS B, CARWARDINE J, BODE M, O'FARRELL PJ, WILSON KA, POSSINGHAM HP, ROUGET M, DE LANGE W, RICHARDSON DM, COWLING RM. Safeguarding Biodiversity and Ecosystem Services in the Little Karoo, South Africa. *Conservation Biology* 2010; **24**(4): 1021-1030.
38. ELLIS AG, JOHNSON SD. Floral mimicry enhances pollen export: The evolution of pollination by sexual deceit outside of the Orchidaceae. *American Naturalist* 2010; **176**: 143-151.
39. ESTERHUYSE MM, HELBING CC, VAN WYK JH. Isolation and characterization of three estrogen receptor transcripts in *Oreochromis mossambicus* (Peters). *Journal of Steroid Biochemistry and Molecular Biology* 2010; **119**: 26-34.
40. FONTANESI L, FORESTIER L, ALLAIN D, SCOTTI E, BERETTI F, DERETZ-PICOULET S, PECCHIOLI E, VERNESI C, ROBINSON TJ, MALANEY JL, RUSSO V, OULMOUDEN A. Characterization of the rabbit Agouti Signaling Protein (**ASIP**) gene: Transcripts and phylogenetic analyses and identification of the causitive mutation of the nonagouti black coat colour. *Genomics* 2010; **95**: 166-175.
41. FOXCROFT LC, RICHARDSON DM, REJMÀNEK M, PYSEK P. Alien plant invasions in tropical and sub-tropical savannas: patterns, processes and prospects. *Biological Invasions* 2010; **12**: 3913-3933.
42. FRITZ U, DANIELS SR, HOFMEYR MD, GONZÁLEZ J, BARRIO-AMORÓS CL, SIROKY P, HUNSDÖRFER AK, STUCKAS H. Mitochondrial phylogeography and subspecies of the wide-ranging sub-Saharan leopard tortoise *Stigmochelys pardalis* (Testudinidae) - a case study for the pitfalls of pseudogenes and GenBank sequences. *Journal of Zoological Systematics and Evolutionary Research* 2010; **48**(4): 348-359.
43. GAERTNER M, KONOLD W, RICHARDSON DM. Successional changes on a former tank range in eastern Germany: Does increase of the native grass species *Molinia caerulea* cause decline of less competitive *Drosera* species? *Journal for Nature Conservation* 2010; **18**: 63-74.

44. GERTH N, REDMAN P, SPEAKMAN J, JACKSON S, STARCK JM. Energy metabolism of Inuit sled dogs. *Journal of Comparative Physiology B-Biochemical Systemic and Environmental physiology* 2010; **180**: 577-589.
45. GILIOOMEE JH, MILLAR IM. Pomegranate or ash whitefly, *Siphoninus phillyrae* (Haliday) (Hemiptera: Aleyrodidae), recorded from South Africa. *African Entomology* 2010; **18**(1): 200-202.
46. GORDON DR, MITTERDORFER B, PHELOUNG PC, ANSARI S, BUDDENHAGEN C, CHIMERA C, DAEHLER CC, DAWSON W, DENSLAW JS, LAROSA A, NISHIDA T, ONDERDONK DA, PANETTA FD, PYSEK P, RANDALL RP, RICHARDSON DM, TSHIDADA NJ, VIRTUE JG, WILLIAMS PA. Guidance for addressing the Australian weed risk assessment questions. *Plant Protection Quarterly* 2010; **25**: 56-59.
47. GOUWS G, MATTHEE CA, STEWART BA. A multiple data set phylogeny for the endemic South African freshwater phreatoicidean isopod genus *Mesamphisopus*: Taxonomic and biogeographic implications. *Molecular Phylogenetics and Evolution* 2010; **55**: 541-551.
48. GOUWS G, STEWART BA, DANIELS SR. Phylogeographic structure in the gilgie (Decapoda: Parastacidae: *Cherax quinquecarinatus*): a south-western Australian freshwater crayfish. *Biological Journal of the Linnean Society* 2010; **101**: 385-402.
49. HALL AV, OLIVER EGH, CLASSEN-BOCKHOFF R. New species of *Thamnea* and *Brunia* from Western Cape, South Africa. *Bothalia* 2010; **40**: 96-101.
50. HERREL A, MEASEY GJ. The kinematics of locomotion in Caecilians: Effects of substrate and body shape. *Journal of Experimental Zoology Part A-Comparative Experimental Biology* 2010; **313**: 301-309.
51. HOLMES MJ, OLDROYD BP, ALLSOPP MH, LIM J, WOSSLER TC, BEEKMAN M. Maternity of emergency queens in the Cape honey bee, *Apis mellifera capensis*. *Molecular Ecology* 2010; **19**: 2792-2799.
52. HUGHES KA, LEE JE, WARE C, KIEFER K, BERGSTROM DM. Impact of anthropogenic transportation to Antarctica on alien seed viability. *Polar Biology* 2010; **33**: 1125-1130.
53. HUI C, TERBLANCHE JS, CHOWN SL, MCGEOCH MA. Parameter landscapes unveil the bias in allometric prediction. *Methods in Ecology and Evolution* 2010; **1**: 69-74.
54. HUI C, VELDTMAN R, MCGEOCH MA. Measures, perceptions and scaling patterns of aggregated species distributions. *Ecography* 2010; **33**: 95-102.
55. IPONGA DM, MILTON SJ, RICHARDSON DM. Performance of seedlings of the invasive alien tree *Schinus molle* L. under indigenous and alien host trees in semi-arid savanna. *African Journal of Ecology* 2010; **48**: 155-158.
56. IPONGA DM. Seed set of the invasive tree *Schinus molle* (Anacardiaceae) in semi-arid savanna, South Africa: The role of pollinators and selfing. *Journal of Arid Environments* 2010; **74**: 414-416.
57. JANION C, LEINAAS HP, TERBLANCHE JS, CHOWN SL. Trait means and reaction norms: the consequences of climate change/invasion interactions at the organism level. *Evolutionary Ecology* 2010; **24**: 1365-1380.
58. JANSEN VAN VUUREN B, ROBINSON TJ, VAZPINTO P, ESTES R, MATTHEE CA. Western Zambian sable: Are they a geographic extension of the giant sable? *South African Journal of Wildlife Research* 2010; **40**: 35-42.
59. JOHNSON SD, ANDERSON BC. Coevolution between food-rewarding flowers and their pollinators. *Evolution Education Outreach* 2010; **3**: 32-39.
60. JOHNSON T, GILIOOMEE JH. Is there a link between developmental rate and occasional dominance of the oleander mealybug, *Paracoccus burnerae* (Brain) (Hemiptera: Pseudococcidae) on citrus in South Africa? *African Entomology* 2010; **18**(2): 354-359.
61. KALWIJ JM, DE BOER WF, MUCINA L, PRINS HHT, SKARPE C, WINTERBACH C. Tree cover and biomass increase in a southern African savanna despite growing elephant population. *Ecological Applications* 2010; **20**: 222-233.

62. KRUG RM, ROURA-PASCUAL N, RICHARDSON DM. Clearing of invasive alien plants under different budget scenarios: using a simulation model to test efficiency. *Biological Invasions* 2010; **12**: 4099-4112.
63. LACHENICHT MW, CLUSELLA-TRULLAS S, BOARDMAN L, LE ROUX C, TERBLANCHE JS. Effects of acclimation temperature on thermal tolerance, locomotion performance and respiratory metabolism in *Acheta domesticus* L. (Orthoptera: Gryllidae). *Journal of Insect Physiology* 2010; **56**: 822-830.
64. LE ROUX JJ, GEERTS S, IVEY P, KRAUSS S, RICHARDSON DM, SUDA J, WILSON JR. Molecular systematics and ecology of invasive Kangaroo Paws in South Africa: management implications for a horticulturally important genus. *Biological Invasions* 2010; **12**: 3989-4002.
65. LE ROUX JJ, WIECZOREK AM, TRAN CT, VORSINO AE. Disentangling the dynamics of invasive fireweed (*Senecio madagascariensis* Poir. species complex) in the Hawaiian Islands. *Biological Invasions* 2010; **12**: 2251-2264.
66. LE ROUX PC, MCGEOCH MA. Interaction intensity and importance along two stress gradients: adding shape to the stress-gradient hypothesis. *Oecologia* 2010; **162**: 733-745.
67. LEE JE, HUGHES KA. Focused tourism needs focused monitoring. *Antarctic Science* 2010; **22**: 1-1.
68. LINDER HP, JOHNSON SD, KUHLMANN M, MATTHEE CA, NYFFELER R, SWARTZ ER. Biotic diversity in the Southern African winter-rainfall region. *Current Opinion in Environmental Sustainability* 2010; **2**: 109-116.
69. MAGER DM. Carbohydrates in cyanobacterial soil crusts as a source of carbon in the southwest Kalahari, Botswana. *Soil Biology & Biochemistry* 2010; **42**: 313-318.
70. MASGORET MS, BOTHA CJ, MYBURGH JG, NAUDÉ TW, PROZESKY L, NAIDOO V, VAN WYK JH, POOL EJ, SWAN GE. Molasses as a possible cause of an "endocrine disruptive syndrome" in calves. *Onderstepoort Journal of Veterinary Research* 2009; **76**: 209-225.
71. MATTHEE S, HORAK I.G., VAN DER MESCHT L, UECKERMAN EA, RADLOFF FGT. Ectoparasite diversity on rodents at De Hoop Nature Reserve, Western Cape Province. *African Zoology* 2010; **2**: 213-224.
72. MCFARLANE ML, CHERRY MI, EVANS MR. Female Cape sugarbirds (*Promerops cafer*) modify egg investment both for extra-pair mates and for male tail length. *Journal of Evolutionary Biology* 2010; **23**: 1998-2003.
73. MCFARLANE ML, EVANS MR, FELDHEIM KA, PREAULT M, BOWIE RCK, CHERRY MI. Long tails matter in sugarbirds - positively for extrapair but negatively for within-pair fertilization success. *Behavioral Ecology* 2010; **21**: 26-32.
74. MCGAUGHRAN A, CONVEY P, STEVENS MI, CHOWN SL. Metabolic rate, genetic and microclimate variation among springtail populations from sub-Antarctic Marion Island. *Polar Biology* 2010; **33**: 909-918.
75. MCGEOCH MA, BUTCHART SH, SPEAR D, MARAIS E, KLEYNHANS EJ, SYMES A, CHANSON J, HOFFMANN M. Global indicators of biological invasion: species numbers, biodiversity impact and policy responses. *Diversity and Distributions* 2010; **16**: 95-108.
76. MCLEISH MJ, VAN NOORT S, TOLLEY KA. African parasitoid fig wasp diversification is a function of *Ficus* species ranges. *Molecular Phylogenetics and Evolution* 2010; **57**: 122-134.
77. MCLEISH MJ, VAN NOORT S, TOLLEY KA. Parasitoid fig-wasp evolutionary diversification and variation in ecological opportunity. *Molecular Ecology* 2010; **19**: 1483-1496.
78. MEEK CS, RICHARDSON DM, MUCINA L. A river runs through it: Land-use and the composition of vegetation along a riparian corridor in the Cape Floristic Region, South Africa. *Biological Conservation* 2010; **143**: 156-164.

79. MEYER A, MOUTON PLN, MUCINA L. The biogeographical influence of the Tankwa Karoo Basin on reptile distribution in south-western South Africa. *African Journal of Herpetology* 2010; **59**: 53-64.
80. MILTON SJ, DEAN WRJ. Plant invasions in arid areas: special problems and solutions: a South African perspective. *Biological Invasions* 2010; **12**: 3935-3948.
81. MOORE G, SMITH GF, FIGUEIREDO E, DEMISSEW S, LEWIS G, SCHRIRE B, RICO L, VAN WYK AE, VORSTER PJ. *Acacia*, the 2011 Nomenclature Section in Melbourne, and beyond. *Taxon* 2010; **59**: 1188-1195.
82. MOUTON PLN, JANSE VAN RENSBURG DA, VAN WYK JH. Epidermal glands in cordyliid lizards, with special reference to generation glands. *Zoological Journal of the Linnean Society* 2010; **158**: 312-324.
83. MUSARURWA HT, VAN STADEN J, MAKUNGA NP. In vitro seed germination and cultivation of the aromatic medicinal *Salvia stenophylla* (Burch. ex Benth.) provides an alternative source of α -bisabolol. *Plant Growth Regulation* 2010; **61**: 287-295.
84. NTIE S, JOHNSTON AR, MICKALA P, BOWKETT AE, JANSEN VAN VUUREN B, COLYN M, TELFER P, MAISELS F, HYMAS O, ROUYER RL, WALLACE RA, LEBLANC K, VAN VLIET N, SONET G, VERHEYEN E, PIRES D, WICKINGS EJ, LAHM SA, ANTHONY MN. A molecular diagnostic for identifying central African forest artiodactyls from faecal pellets. *Animal Conservation* 2010; **13**: 80-93.
85. OBERLANDER KC, DREYER LL, ROETS F. New primers for single-copy nuclear-encoded chloroplast-expressed Glutamine Synthetase (ncpGS) in Oxalidaceae. *American Journal of Botany* 2010; **97**(12): 146-148.
86. OBERLANDER KC, DREYER LL, ROETS F. Rediscovery and phylogenetic position of the rare *Oxalis purpurata*. *Bothalia* 2010; **2**: 177-178.
87. OWOJORI OJ, REINECKE AJ, ROZANOV AB. Influence of clay content on bioavailability of copper in the earthworm *Eisenia fetida*. *Ecotoxicology and Environmental Safety* 2010; **73**: 407-414.
88. OWOJORI OJ, REINECKE AJ. Effects of natural (flooding and drought) and anthropogenic (copper and salinity) stressors on the earthworm *Aporrectodea caliginosa* under field conditions. *Applied Soil Ecology* 2010; **44**: 156-163.
89. PALERO F, ABELLÓ P, MACPHERSON E, MATTHEE CA, PASCUAL M. Genetic diversity levels in fishery - Exploited Spiny Lobster of the genus *Palinurus* (Decapoda: Achelata). *Journal of Crustacean Biology* 2010; **30**: 658-663.
90. PÉREZ-STAPLES D, WELDON CW, RADHAKRISHNAN P, PRENTER J, TAYLOR PW. Control of copula duration and sperm storage by female Queensland fruit flies. *Journal of Insect Physiology* 2010; **56**: 1755-1762.
91. PIETERSE W, MULLER DL, JANSEN VAN VUUREN B. A molecular identification approach for five species of mealybug (Hemiptera: Pseudococcidae) on citrus fruit exported from South Africa. *African Entomology* 2010; **18**: 23-28.
92. PYSEK P, RICHARDSON DM. Invasive Species, Environmental Change and Management, and Health. *Annual Review of Environment and Resources* 2010; **35**: 25-55.
93. RADLOFF FGT, MUCINA L, BOND WJ, LE ROUX PJ. Strontium isotope analyses of large herbivore habitat use in the Cape Fynbos region of South Africa. *Oecologia* 2010; **164**: 567-578.
94. REINECKE AJ, REINECKE SA. Biodiversity in agricultural soils, sustainable plant production and control of plant pathogens. *South African Journal for Science and Technology* 2010; **2**: 77-96.
95. RICHARDS LR, RAMBAU RV, LAMB JM, TAYLOR PJ, YANG F, SCHOEMAN MC, GOODMAN SM. Cross-species chromosome painting in bats from Madagascar: the contribution of Myzopodidae to revealing ancestral syntenies in Chiroptera. *Chromosome Research* 2010; **18**: 635-653.

96. RICHARDSON DM, DAEHLER CC, LEISHMAN MR, PAUCHARD A, PYSEK P. Plant invasions: theoretical and practical challenges. *Biological Invasions* 2010; **12**: 3907-3911.
97. RICHARDSON DM, IPONGA DM, ROURA-PASCUAL N, KRUG RM, MILTON SJ, HUGHES GO, THUILLER W. Accommodating scenarios of climate change and management in modelling the distribution of the invasive tree *Schinus molle* in South Africa. *Ecography* 2010; **33**: 1049-1061.
98. RICHARDSON DM, WHITTAKER RJ. Conservation biogeography - foundations, concepts and challenges. *Diversity and Distributions* 2010; **16**: 313-320.
99. ROETS F, WINGFIELD BD, DE BEER ZW, WINGFIELD MJ, DREYER LL. Two new *Ophiostoma* species from *Protea caffra* in Zambia. *Persoonia* 2010; **24**: 18-28.
100. ROPIQUET A, HASSANIN A, PAGACOVA E, GERBAULT-SEUREAU M, CERNOHORSKA H, KUBICKOVA S, BONILLO C, RUBES J, ROBINSON TJ. A paradox revealed: karyotype evolution in the four-horned antelope occurs by tandem fusion (Mammalia, Bovidae, *Tetracerus quadricornis*). *Chromosome Research* 2010; **18**: 277-286.
101. ROURA-PASCUAL N, BAS JM, HUI C. The spread of the Argentine ant: environmental determinants and impacts on native ant communities. *Biological Invasions* 2010; **12**: 2399-2412.
102. ROURA-PASCUAL N, KRUG RM, RICHARDSON DM, HUI C. Spatially-explicit sensitivity analysis for conservation management: exploring the influence of decisions in invasive alien plant management. *Diversity and Distributions* 2010; **16**: 426-438.
103. RUIZ-HERRERA A, FARRÉ M, PONSA M, ROBINSON TJ. Selection against Robertsonian fusions involving housekeeping genes in the house mouse: integrating data from gene expression arrays in chromosome evolution. *Chromosome Research* 2010; **18**: 801-808.
104. RUTHERFORD MC, POWRIE LW. Severely degraded dunes of the southern Kalahari: local extinction, persistence and natural re-establishment of plants. *African Journal of Ecology* 2009; **48**: 930-938.
105. RUTHERFORD MC, POWRIE LW. Severely degraded rangeland: Implications for plant diversity from a case study in succulent Karoo, South Africa. *Journal of Arid Environments* 2010; **74**: 692-701.
106. SCALICI M, SOLANO E, GIBERTINI G. Karyological analyses of the Australian Crayfish *Cherax destructor* (Decapoda: Parastacidae). *Journal of Crustacean Biology* 2010; **30**: 528-530.
107. SHARPE LL, JOUSTRA AS, CHERRY MI. The presence of an avian co-forager reduces vigilance in a cooperative mammal. *Biology Letters* 2010; **6**: 475-477.
108. SHAW JD, SPEAR D, GREVE M, CHOWN SL. Taxonomic homogenization and differentiation across Southern Ocean Islands differ among insects and vascular plants. *Journal of Biogeography* 2010; **37**: 217-228.
109. SHAW JD, WILSON JR, RICHARDSON DM. Initiating dialogue between scientists and managers of biological invasions. *Biological Invasions* 2010; **12**: 4077-4083.
110. SIBEKO K, GEYSEN D, OOSTHUIZEN MC, MATTHEE CA, TROSKIE M, POTGIETER FW, COETZER JAW, COLLINS NE. Four p67 alleles identified in South African *Theileria parva* field samples. *Veterinary Parasitology* 2010; **167**: 244-254.
111. SIMBERLOFF D, NUÑEZ MA, LEDGARD NJ, PAUCHARD A, RICHARDSON DM, SARASOLA M, VAN WILGEN BW, ZALBA SM, ZENNI RD, BUSTAMANTE R, PEÑA E, ZILLER SR. Spread and impact of introduced conifers in South America: Lessons from other southern hemisphere regions. *Austral Ecology* 2010; **35**: 489-504.
112. SIMON CA, BENTLEY MG, CALDWELL GC. 2,4-Decadienal: Exploring a novel approach for the control of polychaete pests on cultured abalone. *Aquaculture* 2010; **310**: 52-60.

113. SIRGEL WF, MAS-COMA S. *Renylaima capensis* n. gen., n. sp. (Trematoda: Brachylaimidae) from the urinary system of the shrew *Myosorex varius* Smuts, 1832 (Insectivora: Soricidae). *Parasitology Research* 2010; **106**: 1443-1453.
114. SMIT HA, WATSON J, JANSEN VAN VUUREN B. Relative importance of habitat connectivity in shaping the genetic profiles of two southern African elephant-shrews. *Journal of Biogeography* 2010; **37**: 857-864.
115. STEVENS MM, JACKSON S, BESTER SA, TERBLANCHE JS, CHOWN SL. Oxygen limitation and thermal tolerance in two terrestrial arthropod species. *Journal of Experimental Biology* 2010; **213**: 2209-2218.
116. STOFFBERG S, JACOBS DS, MACKIE IJ, MATTHEE CA. Molecular phylogenetics and historical biogeography of *Rhinolophus* bats. *Molecular Phylogenetics and Evolution* 2010; **54**: 1-9.
117. TERBLANCHE JS, ANDERSON BC. Variation of foraging rate and wing loading, but not resting metabolic rate scaling, of insect pollinators. *Naturwissenschaften* 2010; **97**: 775-780.
118. TERBLANCHE JS, CHOWN SL. Effects of flow rate and temperature on cyclic gas exchange in tsetse flies (Diptera, Glossinidae). *Journal of Insect Physiology* 2010; **56**: 513-521.
119. TERBLANCHE JS, CLUSELLA-TRULLAS S, CHOWN SL. Phenotypic plasticity of gas exchange pattern and water loss in *Scarabaeus spretus* (Coleoptera: Scarabaeidae): deconstructing the basis for metabolic rate variation. *Journal of Experimental Biology* 2010; **213**: 2940-2949.
120. TESKE PR, FORGET FRG, COWLEY PD, VON DER HEYDEN S, BEHEREGARAY LB. Connectivity between marine reserves and exploited areas in the philopatric reef fish *Chrysoblephus laticeps* (Teleostei: Sparidae). *Marine Biology* 2010; **157**: 2029-2042.
121. TOLLEY KA, DE VILLIERS AL, CHERRY MI, MEASEY GJ. Isolation and high genetic diversity in dwarf mountain toads (*Capensibufo*) from South Africa. *Biological Journal of the Linnean Society* 2010; **100**: 822-834.
122. TOLLEY KA, RAW RNV, ALTWEGG R, MEASEY GJ. Chameleons on the move: survival and movement of the Cape dwarf chameleon, *Bradypodion pumilum*, within a fragmented urban habitat. *African Zoology* 2010; **45**(1): 99-106.
123. TOWNSEND TA, TOLLEY KA, GLAW F, BÖHME W, VENCES M. Eastward from Africa: palaeocurrent-mediated chameleon dispersal to the Seychelles islands. *Biology Letters* 2010; **10**: 1-10.
124. VAN DIJK DE. Continental displacement: early lines of evidence that deserve attention. *Palaeontologia Africana* 2009; **44**: 136-138.
125. VAN WILGEN NJ, WILSON JRU, ELITH J, WINTLE BA, RICHARDSON DM. Alien invaders and reptile traders: what drives the live animal trade in South Africa?. *Animal Conservation* 2010; **13**: 24-32.
126. VÁÑA J, LONG DG, OCHYRA R, BEDNAREK-OCHYRA H, CYKOWSKA B, SMITH VR. Range extinctions of *Prasanthus suecicus* (Gymnomitriaceae, Marchantiophyta) with a review of its global distribution. *Nova Hedwigia* 2010; **91**: 459-469.
127. VÁÑA J, OCHYRA R, CYKOWSKA B, BEDNAREK-OCHYRA H, SMITH VR. Cephaloziella varians (Gottsche) Steph. New national and regional bryophyte records, 23. *Journal of Bryology* 2010; **32**: 141-142.
128. VÁÑA J, OCHYRA R, CYKOWSKA B, BEDNAREK-OCHYRA H, SMITH VR. *Chiloscyphus gremmenii* Váða. New national and regional bryophyte records, 23. *Journal of Bryology* 2010; **32**: 142.
129. VÁÑA J, OCHYRA R, CYKOWSKA B, BEDNAREK-OCHYRA H, SMITH VR. New national and regional bryophyte records, 23. *Journal of Bryology* 2010; **32**: 140.
130. VARGAS-RAMÍREZ M, VENCES M, BRANCH W.R. , DANIELS SR, GLAW F, HOFMEYR MD, KUCHLING G, MARAN J, PAPENFUSS TJ, SIROKY P, VIEITES DR, FRITZ U. Deep genealogical lineages in the widely distributed African helmeted terrapin: Evidence from mitochondrial and nuclear DNA (Testudines:

- Pelomedusidae: *Pelomedusa subrufa*). *Molecular Phylogenetics and Evolution* 2010; **56**: 428-440.
131. VELDMAN R, CHOWN SL, MCGEOCH MA. Using scale-area curves to quantify the distribution, abundance and range expansion potential of an invasive species. *Diversity and Distributions* 2010; **16**: 159-169.
 132. VEYRUNES F, CATALAN J, TATARD C, CELLIER-HOLZEM E, WATSON J, CHEVRET P, ROBINSON TJ, BRITTON-DAVIDIAN J. Mitochondrial and chromosomal insights into karyotypic evolution of the pygmy mouse, *Mus minutoides*, in South Africa. *Chromosome Research* 2010; **18**: 563-574.
 133. VEYRUNES F, CHEVRET P, CATALAN J, CASTIGLIA R, WATSON J, DOBIGNY G, ROBINSON TJ, BRITTON-DAVIDIAN J. A novel sex determination system in a close relative of the house mouse. *Proceedings of the Royal Society B-Biological Sciences* 2010; **277**: 1049-1056.
 134. VON DER HEYDEN S, BARENDS J, SEEBREGTS AJ, MATTHEE CA. Misleading the masses: detection of mislabelled and substituted frozen fish products in South Africa. *Ices Journal of Marine Science* 2010; **67**: 176-185.
 135. VON DER HEYDEN S, LIPINSKI MR, MATTHEE CA. Remarkably low mtDNA control region diversity in an abundant demersal fish. *Molecular Phylogenetics and Evolution* 2010; **55**: 1183-1188.
 136. VOUA-OTOMO P, REINECKE SA. Increased cytotoxic and genotoxic tolerance of *Eisenia fetida* (Oligochaeta) to cadmium after long-term exposure. *Ecotoxicology* 2010; **19**: 362-368.
 137. WANG Y, WILSON JRU, ZHANG J, ZHANG J, DING J. Potential impact and non-target effects of *Gallerucida bifasciata* (Coleoptera: Chrysomelidae), a candidate biological control agent for *Fallenia japonica*. *Biological Control* 2010; **53**: 319-324.
 138. WESTER P. Sticky snack for sengis: The Cape rock elephant-shrew, *Elephantulus edwardii* (Macroscelidea), as a pollinator of the Pagoda lily, *Whiteheadia bifolia* (Hyacinthaceae). *Naturwissenschaften* 2010; **97**: 1107-1112.
 139. WOHLFARTER M, GILIOMEE JH, VENTER E. A survey of the arthropod pests associated with commercial pomegranates, *Punica granatum* (Lythraceae), In South Africa. *African Entomology* 2010; **18**: 192-199.
 140. WOHLFARTER M, GILIOMEE JH, VENTER E. Weevils causing damage to commercial pomegranates, *Punica granatum* (Lythraceae), in South Africa. *African Entomology* 2010; **18**(1): 203-204.
 141. WORLAND MR, JANION C, TREASURE AM, CHOWN SL. Pre-freeze mortality in three species of aphids from sub-Antarctic Marion Island. *Journal of Thermal Biology* 2010; **35**: 255-262.
 142. ZHANG F, TAO Y, LI Z, HUI C. The evolution of cooperation on fragmented landscapes: the spatial Hamilton rule. *Evolutionary Ecology Research* 2010; **12**: 23-33.
 143. ZHU MENG-MENG, CAI FENG-HUAN, ZHANG RONG, ZHANG YI, CHEN HONG-HAO, GAO LI-YUAN, ZHAO ZI-HUA, HUI C. Spatial structure and distribution simulation of *Aphis gossipii* Glover population based on GIS. *Chinese Journal of Applied Ecology* 2010; **21**: 2691-2696.

Proceedings international

1. ROBINSON TJ, ROPIQUET A. Chromosomal Evolution within Bovidae: Phylogenetic Examination of Hemiplasy, Homoplasy and Introgressive Hybridization. 19th International Colloquium of Animal Cytogenetics and Gene Mapping, National Research Institute of Animal Production, Balice / Kraków, Poland, 2010: 711-755.
2. SU M, HUI C. An eco-epidemiological system with infected predator. Third International Conference on Biomedical Engineering and Informatics, Yantai, China: 2010: 2390-2393.

Proceedings national

1. DAVIES SJ, MCGEOGH MA, CLUSELLA-TRULLAS S. *Distribution and habitat preference of the Painted Reed Frog Hyperolius marmoratus Rapp in its novel range in the Western Cape Province of South Africa.* African Amphibian Working Group 14, Monkey Valley Resort, Noordhoek, Cape Town, South Africa, 2010: 32.
2. DE JAGER C, ANECK-HAHN NH, VAN WYK JH, MOOLMAN A. *A toolbox of bio-assays for detection of estrogenic activity in water.* WISA 2010, Durban International Convention Centre, Durban, South Africa, 2010: 1-8

Chapters in books

1. CHOWN SL, SINCLAIR BJ. The macrophysiology of insect cold hardiness. In: Denlinger DL, Lee RE Jr (Eds). *Low Temperature Biology of Insects*, Cambridge University Press, Cambridge, United Kingdom, 2010: 191-222.
2. GRÖNGRÖFT A, MAGER DM, MEDINSKI T, MILLS A, PETERSON AT, ESCHENBACH A. Evaluation of the soil degradation state along fence-line contrasts. In: Schmiedel U, Jürgens N (Eds). *Biodiversity in Southern Africa: Patterns and processes at regional scale. Vol. II*, 2010: 19-25.
3. MCDEVITT AD, YANNIC G, RAMBAU RV, HAYDEN TJ, SEARLE JB. Postglacial Recolonization of Continental Europe by the Pygmy Shrew (*Sorex minutus*) Inferred from Mitochondrial and Y Chromosomal DNA Sequences. In: Habel JC, Assmann T (Eds). *Relict Species. Phylogeography and Conservation Biology*, Springer, Luxembourg, Luxembourg, 2010: 217-236.
4. PETERSON AT, MAGER DM. The BIOTA observatopn system in Southern Afica: Soil characteristics. Soils of Togekry. In: Jürgens N, Haarmeyer DH, Luther-Mosebach J, Dengler J, Finckh M, Schmiedel U (Eds). *Biodiversity in Southern Africa: Patterns in space and time at large scale - The BIOTA Observatories*, Vol. 1, 2010: 101-125.
5. ROBINSON TJ, RUIZ-HERRERA A. Mammalian chromosomal evolution: from ancestral states to evolutionary regions. In: Pontarotti P (Ed) .*Evolutionary Biology - Concepts, Molecular and Morphological Evolution*, Springer-Verlag, New York, USA, 2010: 143-158.
6. SUHLING F, SAMWAYS MJ, SIMAIKA JP, RICHTER O, MARAIS E, MARTENS & JENS KIPPING A. Dragonfly diversity from the Cape to the Kavango. In: Schmiedel U, Jürgens N (Eds). *Biodiversity in southern Africa 2: Patterns and processes at regional scale*, Klaus Hess Publishers, Göttingen & Windhoek, Germany, 2010: 64-69.
7. VALENTINE AJ, BENEDITO VA, KANG Y. Legume Nitrogen Fixation and Soil Abiotic Stress: From Physiology to Genomics and Beyond. In: Foyer C, Zhang H(Ed) . *Annual Plant Reviews Volume 42, Nitrogen Metabolism in Plants in the Post-genomic Era, First Edition*, Wiley-Blackwell, Oxford, United Kingdom, 2011: 207-248.
8. VAN WILGEN BW, RICHARDSON DM. Current and future consequences of invasion by alien species: A case study from South Africa. In: Perrings C, Mooney H, Williamson M (Eds.) *Bioinvasions and globalization: Ecology, economics, management and policy*, Oxford University Press, Oxford, United Kingdom, 2010: 183-201.