1. G.F. Matcher, P.W. Froneman, I. Meiklejohn, R.A. Dorrington 2018. Distinct

responses of bacterial communities to agricultural and urban impacts in temperate

southern African estuaries. **Estuarine, Coastal and Shelf Science** Vol. **200**: 224-233

1. Nicole B. Richoux, Leandro Bergamino, Sydney Moyo, Tatenda Dalu 2018. Spatial

and temporal variability in the nutritional quality of basal resources along a

temperate river/estuary continuum. **Organic Geochemistry** Vol. **116**: 1-12

1. Weijing Zhu, Cheng Wang, Jaclyn Hill, Yangyang He, Bangyi Tao, Zhihua Mao, Weixiang Wu 2018. A missing link in the estuarine nitrogen cycle?: Coupled nitrification-denitrification mediated by suspended particulate matter. **Scientific Reports**. DOI: 10.1038/s41598-018-20688.4
2. E.F. Strange, J.M. Hill, J.A. Coetzee 2018. Evidence for a new regime shift between floating and submerged invasive plant dominance in South Africa. **Hydrobiologia** Vol. **817**: 349-362
3. Hui Yu, Stephen G. Compton, Lanfen Wu 2018. Spatial variation in pollinator gall failure within figs of the gynodioecious *Ficus hirta.* **Acta Oecologia** Vol. **90**: 75-80
4. Werner Conradie, Theo Busschau, Shelley Edwards 2018. Two new species of *Acontias* (Acontinae, Scincidae) from the Mpumalanga Highveld escarpment of South Africa. **ZOOTAXA** Vol. **4429** (1): 089-106
5. Mohannad Ismail, Margot Brooks 2018. Male mating preference of two cryptic species of the herbivorous insect *Eccritotarsus catarinensis*. **Biocontrol Science and Technology**. Vol. **28** (6):529-543
6. B.I.R. Dhladhla, P. Mwanza, M.E. Lee, S. Moore, G.B. Dealtry 2018. Comparison of microscopic and molecular enumeration methods for insect viruses: *Cryptophlebia leucotreta* granulovirus as a case study. **Journal of Virological Methods**. Vol. **256**: 107-110
7. Tamryn Marsberg, Michael D. Jukes, Martyna Krejmer-Rabalska, Lukasz Rabalski, Caroline M. Knox, Sean D. Moore, Martin P. Hill, Boguslaw Szewczyk 2018. Morphological genetic and biological characterisation of a novel *alphabaculovirus* isolated from *Cryptophlebia peltastica* (Lepidoptera: Tortricidae). **Journal of Invertebrate Pathology**. Vol. **157**: 90-99
8. G.F. Sutton, H. Klein, I.D. Paterson 2018. Evaluating the efficacy of *Hypogeococcus*

sp. as a biological control agent of the cactaceous weed Cereus jamacaru in South Africa. **BioControl** Vol. **63:** 493-503

1. Kim Canavan, Ian D. Paterson, Carla Lambertini, Martin P. Hill 2018. Expansive reed

populations – alien invasion or disturbed wetlands? **AOB Plants**. 1-11

1. Roy W. Jones, Jacklyn M. Hill, Julie A. Coetzee, Martin P. Hill 2018. The contributions

of biological control to reduced plant size and biomass of water hyacinth populations. **Hydrobiologia** Vol. **807**: 377-388

1. Osariyekemwen O. Uyi, Costas Zachariades, Lelethu U. Heshula, Martin P. Hill 2018.

Developmental and reproductive performance of a specialist herbivore depend on seasonality of, and light conditions experienced by, the host plant. **Plos One** 1-19

1. G. D. Martin, M.P. Hill, J.A. Coetzee, K.N. Weaver, J.M. Hill 2018. Synergies between

research organisations and the wider community in enhancing weed biological control in South Africa. **BioControl** Vol. **63**: 437-447.

1. E.S. Nepgen, S.D. Moore, M.P. Hill 2018. Intergrating chemical control with sterile insect releases in an integrated pest management programme for *Thaumototibia leucotreta*. **Journal of Applied Entomology**. Vol. **142**: 421-427
2. G.D. Martin, J.A. Coetzee, P.S.R. Weyl, M.C. Parkinson, M.P. Hill 2018. Biological control of *Salvinia molesta* in South Africa revisited. **Biological Control**. Vol. **125**:74-80
3. Sisanda Felicia Mvandaba, Candice Ann Owen, Martin Patrick Hill, Julie Angela Coetzee 2018. The thermal physiology of *Stenopelmus rufinasus* and *Neohydronomus affinis* (Coleoptera: Curculionidae), two biolocial control agents for the invasive alien aquatic weeds, *Azolla filiculoides* and *Pistia stratiotes* in South Africa. **Biocontrol Science and technology**. 1-15
4. Candice A. Owen, Simon Van Noort, Stephen G. Compton, Julie A. Coetzee 2018. Nest site choice by the intertidal spider *Desis formidabilis* (Araneae: Desidae) and nest utilization by its hymenopteran egg parasitoid. **Ecological Entomology**. 1-9
5. M. Pollard, A.K. Whitfield, A.N. Hodgson 2018. Possible influences of a macroalgal bloom in eelgrass beds on fish assemblages in the lowe Knysna Estuary, South Africa. **African Journal of Aquatic Science**. Vol. **43**(3): 319-323
6. Richard S.K. Barnes 2018. Context dependency in the effect of Ulva-induced loss of seagrass cover on estuarine microbenthic abundance and biodiversity. **Aquatic Conserv. Mar Freshw Ecosyst.** 1-12
7. Pierre William Froneman 2018. The Ecology and Food Web Dynamics of South African Intermittently Open Estuaries. **Estuary** 85-98
8. Ryan J. Wasserman, Mark Weston, Olaf L.F. Weyl, P. William Froneman, Rebecca J. Welch, Tim J.F. Vink, Tatenda Dalu 2018. Sacrificial males: the potential role of copulation and predation in contributing to copepod sex-skewed ratios. **OIKOS**. 1-11
9. Maella Connon, Bo Bonnevie, Christopher McQuaid 2018. Ontogeny tissue, and species but not sex influence stable isotopic values of three albatross species. **Polar Biology** Vol. **41**: 1175-1186
10. Thibaut N. Bouveroux, Michelle Caputo, Pierre W. Froneman, Stephanie Plon 2018. Largest reported groups for the Indo-Pacific bottlenose dolphin (*Tursiops aduncus*) found in Algoa Bay, South Africa: Trends and potential drivers. **Marine Mammal Science.** 1-21
11. Louw Claassens, Anthony J. Booth, Alan N. Hodgson 2018. An endangered seahorse selectively chooses an artificial structure. **Environ Biol Fish** Vol. **101**: 723-733
12. Rosemary A. Dorrington, Amanda T. Lombard, Thomas G. Bornman, Janine B. Adams, Hayley C. Cawthra, Shaun H.P. Deyzel, Wayne S. Goschen, Kenneth Liu, Jacques Mahler-Coetzee, Gwynneth F. Matcher, Christopher McQuaid, Shirley Parker-Nance, Angus Paterson, Renzo Perissinotto, Francesca Porri, Michael Roberts, Bernadette Snow, Patrick Vrancken 2018. Working together for our oceans: A marine spatial plan for Algoa Bay, South Africa. **South African Journal of Science**. Vol. **114**. (**3/4**): 1-6
13. L. Claassens, A.N. Hodgson 2018. Monthly population density and structure patterns of an endangered seahorse *Hippocampus capensis*: a comparison between natural and artificial habitats. **Journal of Fish Biology** Vol. **98**: 2000-2015
14. R.G.A. Watson, Simone Baldanzi, A. Perez-Figueroa, G. Gouws, F. Porri 2018. Morphological and epigenetic variation in mussels from contrasting environments. **Marine Biology**: Vol. **165** (50): 1-13
15. L. Claassens, A.N. Hodgson 2018. Gaining insights into *in situ* behaviour of an endangered seahorse using action cameras. **Journal of Zoology** Vol. **308**: 98-108.
16. S.M. Hamylton, R.S.K. Barnes 2019. The effect of sampling effort on spatial autocorrelation in microbenthic intertidal invertebrates. **Hydrobiologia** Vol. **811**: 239-250
17. Tinotenda Mangadze, Tatenda Dalu, P. William Froneman 2018. Biological monitoring in southern Africa: A review of the current status, challenges and future prospects. **Science of the Total Environment**. Vol. **648**: 1492-1499
18. Katy R. Nicastro, Roberto Lo Savio, Christopher D. McQuaid, Pedro Maderia, Ugo Valbusa, Fabia Azevedo, Maria Casero, Carla Lourenco, Gerardo I. Zardi 2018. Plastic ingestion in aquatic-associated bird species in southern Portugal. Marine Pollution Bulletin Vol. **126**: 413-418
19. T. Dalu, J.B. Adams, J.C. Taylor, G.C. Bate, M. Nunes, P.W. Froneman, R.J. Wasserman 2018. Overview and status of estuarine microphytobenthos ecological research in South Africa. **African Journal of Marine Science**. Vol. **40** (1): 1-12
20. H.A. Nel, P.W. Froneman 2018. Presence of microplastics in the tube structure of the reef-building polychaete *Gunnarea gaimardi* (Quatrefages 1848). **African Journal of marine Science**. Vol. **40** (1): 87-89
21. David O. Chiawo, Wellington N. Kombe, Adrian J.F.K. Craig 2018. Bird responses to land use change: guild diversity in a Kenyan coastal forest and adjoining habitats. **EMU-Austral Ornithology. https://doi.org/10.1080/01584197.2018.1431052**
22. Molline N.C. Gusha, Tatenda Dalu, Ryan J. Wasserman, Christopher D. McQuaid 2018. Zooplankton grazing pressure is insufficient for primary producer control under elevated warming and nutrient levels**. Science of the Total Environment** Vol. **651**: 410-418
23. P.O. Aigbedion-Atalor, D.D. Wilson, V.Y. Eziah, M.D. Day, I.D. Paterson 2018. The distribution and abundance of the stem-galling fly, *Cecidochares connexa* (Macquart) (Diptera: Tephritidae), a biological control agent of *Chromolaena odorata* (L) (Asteraceae), in Ghana. **African Entomology**. Vol. **26** (2): 471-480
24. Eleonora Puccinelli, Charles E.O. von der Meden, Christopher D. McQuaid, Isabelle J. Ansorge 2018. Biological characteristics of the rafting bivalve *Gaimardia trapesina* in the Southern Ocean. **Marine Biology** : 165-172
25. Shirley C. Pinchuck, Alan N. Hodgson 2018. Retinal ultrastructure of patellogastropods revisited. **Journal of Molluscan Studies**. Vol. **84**: 494-497
26. G.I. Zardi, C.D. McQuaid, R. Jacinto, C.R. Lourenco, E.A. Serrao 2018. Re-assessing the originals of the invasive mussel *Mytilus galloprovincialis* in southern Africa. **Marine and Freshwater Research** Vol. **69**: 607-613
27. Eleonora Puccinelli, Christopher D. McQuaid, Isabelle J. Ansorge 2018. Factors affecting trophic compositions of offshore benthic invertebrates at a sub-Antarctic archipelago. **Limnology and Oceanology**. Vol. **63**: 2206-2228]
28. Jenny M. Booth, Antje Steinfurth, Marck Fusi, Richard J. Cuthbert, Christopher D. McQuaid 2018. Foraging plasticity of breeding Northern Rockhopper Penguins, *Eudyptes moseleyi*, in response to changing energy requirements. **Polar Biology**. Vol. **41**: 1815-1826
29. Cristian J. Monaco, Christopher D. McQuaid 2018. Applicability of Dynamic Energy Budget (DEB) models across steep environmental gradients. **Scientific Reports** **DOI: 10.1038/s41598-018-34786-w**
30. Liora Kolska HORWITZ, Charlene BISSETT, James BRINK 2018. RECENT CHEETAH (*ACINONYX JUBATUS*) KILLS AS CARNIVORE “FEEDING HUBS”: A TAPHONOMIC STUDY OF PREY SIZE AND AGE DIFFERENCES. **Quaternaire** Vol. **29** (1): 5-12
31. A. Manrakhan, J-H. Daneel, R. Beck, C.D. Theron, C.W. Weldon, S.D. Moore, V. Hattingh 2018. Non-host status of commercial export grade lemon fruit (*Citrus limon* (L.) Burman f. cv. Eureka) for *Ceratitis capitate, Ceratitis rosa, Ceratitis quilicii* and *Bactrocera dorsalis* (Diptera: Tephritidae) in South Africa. **African Entomology** Vol. **26** (1): 202-214
32. K.L. Mmonwa, P.R. Teske, C.D. McQuaid, N.P. Barker 2018. Historical demography of southern African patellid limpets: congruence of population expansions, but not phylogeography. **African Journal of Marine Science**. Vol. **37** (1): 11-20.
33. Martyna Krejmer-Rabalska, Lukasz Rabalski, Marlinda Lobo de Souza, Sean D. Moore, Boguslaw Szewczyk 2018. New Method for Differentiation of Granuloviruses (Betabaculoviruses) Based on Multitemperature Single Stranded Conformational Polymorphism. **International Journal of Molecular Sciences**. Vol. **19**(83): 1-12
34. Jessica Comley, Charlene Bissett, Craig J. Tambling, Rebecca J. Welch, Dan M. Parker 2018. Diet of Recently Established Brown Hyaenas in the Eastern Cape, South Africa. **African Journal of Wildlife Research** Vol. **48** (1): 1-7
35. Michael V. Westbury, Stefanie Hartmann, Axel Barlow, Ingrid Wiesel, Viyanna Leo, Rebecca Welch, Daniel M. Parker, Florian Sicks, Arne Ludwig, Love Dalen, Michael Hofreiter 2018. **Mol. Biol. Evol**. Vol. **35** (5): 1225-1237
36. K.T. Finn, D.M. Parker, N.C. Bennett, M. Zottl 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 Vol. **96**  (8): 1-26
37. Daniel M. Parker, Jessica P. Watermeyer, Harriet T. Davies-Mostert, Grant Beverley, Kelly Marnewick 2018. Attitudes and tolerance of private landowners shape the African wild dog conservation landscape in the greater Kruger National Park. **Endangered species research** Vol. **36**: 173-181
38. Peter J. Taylor, Gotz Neef, Mark Keith, Sina Weier, Ara Monadjem, Daniel M. Parker 2018. Tapping into technology and the biodiversity informatics revolution: updated terrestrial mammal list of Angola, with new records from the Okavango Basin. **ZooKeys** Vol. **779**: 51-88
39. Lenin D. Chari, Sydney Moyo, Nicole B. Richoux 2018. Trophic ecology of adult male Odonata. 11. Dietary contributions of aquatic food sources. **Ecological Entomology** Vol. **43**: 15-27
40. Lenin D. Chari, Sydney Moyo, Nicole B. Richoux 2018. Trophic ecology of adult male Odonota. 1. Dietary niche metrics by foraging guild, species, body size, and location. **Ecological Entomology** Vol. **43**: 1-14
41. Sebbi L. Kankondi, Christopher D. McQuaid, Morgana Tagliarolo 2018. Influence of respiratory mode on the thermal tolerance of intertidal limpets. **Plos one**. 1-15
42. Sydney Moyo, Nicole B. Richoux 2018. Fatty acids reveal the importance of autochthonous non-vascular plant inputs to an austral river food web. **Hydrobiologia** Vol. **806**: 139-156
43. Sydney Moyo, Nicole B. Richoux 2018. The relative importance of autochthony along the longitudinal gradient of a small South African river influenced by agricultural activities. **Food Webs**. Vol. **15**: 1-13
44. Peter Neumann, Sebastian Spiewok, Jeff Pettis, Sarah E. Radloff, Robert Spooner- Hart, Randall Hepburn 2018. Differences in absconding between African and European honeybee subspecies facilitate invasion success of small hive beetles. **Apidologie**. **DOI: 10.1007/s13592-018-0580-4**
45. Nuru Adgaba, Ahmed Alghamdi, Rachid Sammoud, Awraris Shenkute, Yilma Tadesse, Mahammad J. Ansari, Deepak Sharma, Colleen Hepburn 2018. Determining spatio- temporal distribution of bee forage species of Albaha region based on ground inventorying supported with GIS applications and Remote Sensed Satellite Image analysis. **Saudi Journal of Biological Sciences**. Vol. **24**: 1038-1044
46. S. Canavan et al. 2018. Tall-statured grasses: a useful functional group for invasion science. **Biol. Invasions. https://doi.org/10.1007/s10530-018-1815-z**
47. A.P. Malan, J.I. von Diest, S.D. Moore, P. Addison 2018. Control options for false codling moth, *Thaumatotibia leucotreta* (Lepidoptera: Tortricidae), in South Africa, with emphasis on the potential use of entomopathogenic nematodes and fungi. **African Entomology** Vol. **26**(1): 14-29
48. Mwazvita T.B. Dalu, Charles M. Shackleton, Tatenda Dalu 2018. Influence of land cover, proximity to streams and household topographical location on flooding impact in informal settlements in the Eastern Cape, South Africa. **International Journal of Disaster Risk Reduction**. Vol. **28**: 481-490
49. A.N. Hodgson, L. Claassens, S. Kankondi 2018. Shell morphometrics and growth rate of the invasive bilvalve mollusk Mytilus galloprovincialis in the Knysna estuarine embayment, South Africa. **African Journal of Aquatic Science** Vol. **43**(4): 367-374
50. Holly A. Nel, Tatenda Dalu, Ryan J. Wasserman, Jeffrey W. Hean 2018. Colour and size influences plastic microbead underestimation, regardless of sediment grain size. **Science of the Total Environment**. Vol. **655**: 567-570
51. Matthew S. Bird, Musa C. Mlambo, Ryan J. Wasserman, Tatenda Dalu, Alexandra J. Holland, Jenny A. Day, Martin H. Villet, David T. Bilton, Helen M. Barber-James, Luc Brendonck 2018. **Hydrobiologia** Vol. **827**: 89-121
52. Krista N. Oswald, Alan T.K. Lee, Ben Smit 2018. Comparison of physiological responses to high temperatures in juvenile and adult Cape Rockjumpers *Chaetops frenatus*. **Ostrich** Vol. **89**(4): 377-382.
53. Ryan S. O’Connor, Ben Smit, William A. Talbot, Alexander R. Gerson, R. Mark Brigham, Blair O. Wolf, Andre E. McKechnie 2018. Avian thermoregulation in the heat: is evaporative cooling more economical in nocturnal birds? **Journal of Experimental Biology** Vol. **221**: 1-7
54. Ben Smit, Maxine C. Whitfield, William A. Talbot, Alexander R. Gerson, Andrew E. McKechnie, Blair O. Wolf 2018. Avian thermoregulation in the heat: phylogenic variation among avian orders in evaporative cooling capacity and heat tolerance. **Journal of Experimental Biology** Vol. **221**: 1-10
55. Sean D. Moore, Wayne Kirkman, Mellissa Peyper, Sean R. Thackeray, Tamryn Marsberg, Sonnica Albertyn, Martin P. Hill 2018. Development of a Posthsrvest Cold Treatment for Cryptophlebia peltastica (Lepidoptera: Tortricidae) for Export of Litchis from South Africa. **Journal of Economic Entomology** Vol. **111**(6): 2637-2643
56. Catia Monteiro, Geraldo I. Zardi, Christopher D. McQuaid, Ester A. Serrao, Gareth A. Pearson, Katy R. Nicastro 2018. Canopy microclimate modification in central and marginal populations of a marine macroalga. **Marine Biodiversity https://doi.org/10.1007/s12526-017-0824-y**
57. Christopher D. McQuaid 2018. Implications of long-term climate change for biogeography and ecological processes in the southern ocean. **Oceanography and Marine Biology: An Annual Review**. Vol. **56**: 1-72
58. Mary L. Cole, Dinarzarde C. Raheem, Martin H. Villet 2018. Molecular phylogeny of *Chondrocyclus* (Gastropoda: Cyclophoridae), a widespread genus of sedentary, restricted-range snails. **Molecular Phylogenetics and Evolution** Vol. **131**: 193-210
59. Andreas Hussner, Rosali Smith, Tabea Mettler-Altmann, Martin P. Hill, Julie Coetzee 2018. Simulated global increases in atmospheric CO2 alter the tissue composition, but not the growth of some submerged aquatic plant bicarbonate users growing in DIC rich waters. **Aquatic Botany** Vol. **153**: 44-50
60. Raelene M. Kwong, Jean Louis Sagliocco, Nathan E. Harms, Kym L. Butler 2018. Could enemy release explain invasion success of *Sagittaria platyphylla* in Australia and South Africa? **Aquatic Botany**. Vol. **153**: 67-72
61. Tamuka Nhiwatiwa, Ryan J. Wasserman, Zolile Maseko, Tatenda Dalu 2018. Identifying environmental drivers of chlorophyll-a dynamics in Austral subtropical ephemeral ecosystems. **Limnologica**. Vol. **74**: 38-41
62. G.F. Sutton 2018. Searching for a needle in a haystack: Where to survey for climatically-matched biological control agents for two grasses (*Sporobolus* spp.) invading Australia. **Biological Control**. Vol. **129**: 37-44
63. Claudia Tocco, Jonathan P. Balmer, Martin H. Villet 2018. Trophic preference of southern African dung beetles (Scarabaeoidea: Scarabaeinae and Aphodiinae) and its influence on bioidicator surveys. **African Journal of Ecology.**

 **DOI: 10.1111/aje.12523**

1. Ana I. Tavares, Katy R. Nicastro, Regina Kolzenburg, Federica Ragazzola, Rita Jacinto, Gerardo I. Zardi 2018. Isolation and characterization of nine microsatellite markers for the red alga *Corallina officinalis***. Molecular Biology Reports. https://doi.org/10.1007/s11033-018-4353-y**
2. Bo T. Bonnevie, Adrian J.F.K. Craig 2018. A song for the South also: defining birdsong in global terms. **International Journal of avian science**. Vol. **160**: 926-928
3. P.O. Aigbedion-Atalor, I. Idemudia, M. Adom, M. Day 2018. First record of a specialist folivore of *Chromolaena odorata* (Asteraceae) in Togo, and indices of its range expansion in Nigeria: implications for biological control. **Biocontrol science and technology**. Vol. **28(**8): 805-810
4. Laurent Seuront, Terence P.T. Ng, Justine A. Lathlean 2018. A review of the thermal biology and ecology of molluscs, and of the use of infrared thermography in molluscan research. **Journal of Molluscan Studies**. Vol. **84**: 203-232
5. K. Canavan, I.D. Paterson, M.P. Hill, T.L. Dudley 2018. Testing the Enemy Release Hypothesis on tall-statured grasses in South Africa, using *Arundo donax*, *Phragmites australis*, and *Phragmites mauritianus* as models. **Bulletin of Entomological Research**. 1-14
6. Grant Douglas Martin, Julie Angela Coetzee, Stephen Compton 2018. Plant- herbivore-parasitoid interactions in an experimental freshwater tritrophic system: higher trophic levels modify competitive interactions between invasive macrophytes. **Hydrobiologia** Vol. 817: 307-318
7. Grant D. Martin, Julie A. Coetzee, Mellissa Lloyd, Sinoxolo E. Nombewu, Mpilonhle S. Ndlovu, Ralene M. Kwong 2018. Invaded habitat incompatibility affects the suitability of the potential biological control agent *Listronotus sordidus* for *Sagittaria platyphylla* in South Africa. **Biocontrol science and technology** Vol. **28**(5): 468-485
8. Zolile Maseko, Julie A. Coetzee, Martin P. Hill 2018. Effects of shade eutrophication on the biological control of *Salvinia molesta* (Salviniaceae) by the weevil *Cyrtobagous salviniae* (Coleoptera: Erirhinidae). **Austral Entomology**. 1-7