# Steven L. Chown

List of Publications by Year
in descending order



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|---|---|---|---|
| 316 papers | 24,515 citations | 9264 74 h-index | 10734 138 g-index |
| 329 all docs | 329 docs citations | 329 times ranked | 18777 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Human activity strongly influences genetic dynamics of the most widespread invasive plant in the subâ€Antarctic. Molecular Ecology, 2022, 31, 1649-1665. | 3.9 | 7 |
| 2 | Half a century of thermal tolerance studies in springtails (Collembola): A review of metrics, spatial and temporal trends. Current Research in Insect Science, 2022, 2, 100023. | 1.7 | 7 |
| 3 | A multiâ€site method to capture turnover in rare to common interactions in bipartite species networks. Journal of Animal Ecology, 2022, 91, 404-416. | 2.8 | 3 |
| 4 | Improving speciesâ€based area protection in Antarctica. Conservation Biology, 2022, 36, . | 4.7 | 8 |
| 5 | Invasive species impacts on sub-Antarctic Collembola support the Antarctic climate-diversity-invasion hypothesis. Soil Biology and Biochemistry, 2022, 166, 108579. | 8.8 | 4 |
| 6 | Global maps of soil temperature. Global Change Biology, 2022, 28, 3110-3144. | 9.5 | 113 |
| 7 | Parthenogenesis without costs in a grasshopper with hybrid origins. Science, 2022, 376, 1110-1114. | 12.6 | 10 |
| 8 | Diatoms define a novel freshwater biogeography of the Antarctic. Ecography, 2021, 44, 548-560. | 4.5 | 41 |
| 9 | An unusually diverse genus of Collembola in the Cape Floristic Region characterised by substantial desiccation tolerance. Oecologia, 2021, 195, 873-885. | 2.0 | 6 |
| 10 | Options for reducing uncertainty in impact classification for alien species. Ecosphere, 2021, 12, e03461. | 2.2 | 16 |
| 11 | Monitoring of diverse enteric pathogens across environmental and host reservoirs with TaqMan array cards and standard qPCR: a methodological comparison study. Lancet Planetary Health, The, 2021, 5, e297-e308. | 11.4 | 21 |
| 12 | Geographical bias in physiological data limits predictions of global change impacts. Functional Ecology, 2021, 35, 1572-1578. | 3.6 | 22 |
| 13 | Chemosynthetic and photosynthetic bacteria contribute differentially to primary production across a steep desert aridity gradient. ISME Journal, 2021, 15, 3339-3356. | 9.8 | 48 |
| 14 | Fifty million years of beetle evolution along the Antarctic Polar Front. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 21 |
| 15 | Where do functional traits come from? The role of theory and models. Functional Ecology, 2021, 35, 1385-1396. | 3.6 | 38 |
| 16 | Sub-critical limits are viable alternatives to critical thermal limits. Journal of Thermal Biology, 2021, 101, 103106. | 2.5 | 12 |
| 17 | A planetary health model for reducing exposure to faecal contamination in urban informal settlements: Baseline findings from Makassar, Indonesia. Environment International, 2021, 155, 106679. | 10.0 | 24 |
| 18 | Study design, rationale and methods of the Revitalising Informal Settlements and their Environments (RISE) study: a cluster randomised controlled trial to evaluate environmental and human health impacts of a water-sensitive intervention in informal settlements in Indonesia and Fiji. BMJ Open, 2021, 11, e042850. | 1.9 | 29 |

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|---|---|---|---|
| 19 | Adequate sample sizes for improved accuracy of thermal trait estimates. Functional Ecology, 2021, 35, 2647-2662. | 3.6 | 12 |
| 20 | Multiple energy sources and metabolic strategies sustain microbial diversity in Antarctic desert soils. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 68 |
| 21 | Chronic heat stress in tropical urban informal settlements. IScience, 2021, 24, 103248. | 4.1 | 25 |
| 22 | Sex-specific effects of mitochondrial haplotype on metabolic rate inDrosophila melanogastersupport predictions of the Mother's Curse hypothesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190178. | 4.0 | 34 |
| 23 | Springtail phylogeography highlights biosecurity risks of repeated invasions and intraregional transfers among remote islands. Evolutionary Applications, 2020, 13, 960-973. | 3.1 | 16 |
| 24 | Basal tolerance but not plasticity gives invasive springtails the advantage in an assemblage setting. , 2020, 8, coaa049. | | 19 |
| 25 | Antarcticaâ€™s wilderness fails to capture continentâ€™s biodiversity. Nature, 2020, 583, 567-571. | 27.8 | 32 |
| 26 | Soil Bacterial Communities Exhibit Strong Biogeographic Patterns at Fine Taxonomic Resolution. MSystems, 2020, 5, . | 3.8 | 33 |
| 27 | Marine food webs destabilized. Science, 2020, 369, 770-771. | 12.6 | 5 |
| 28 | Constant and fluctuating temperature acclimations have similar effects on phenotypic plasticity in springtails. Journal of Thermal Biology, 2020, 93, 102690. | 2.5 | 5 |
| 29 | Hydrogen-Oxidizing Bacteria Are Abundant in Desert Soils and Strongly Stimulated by Hydration. MSystems, 2020, 5, . | 3.8 | 38 |
| 30 | Wind plays a major but not exclusive role in the prevalence of insect flight loss on remote islands. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20202121. | 2.6 | 22 |
| 31 | Strangers in a strange land: Globally unusual thermal tolerance in Collembola from the Cape Floristic Region. Functional Ecology, 2020, 34, 1601-1612. | 3.6 | 15 |
| 32 | Tracking of marine predators to protect Southern Ocean ecosystems. Nature, 2020, 580, 87-92. | 27.8 | 156 |
| 33 | Open Science principles for accelerating trait-based science across the Tree of Life. Nature Ecology and Evolution, 2020, 4, 294-303. | 7.8 | 144 |
| 34 | High spatial turnover in springtails of the Cape Floristic Region. Journal of Biogeography, 2020, 47, 1007-1018. | 3.0 | 11 |
| 35 | Tracheal branching in ants is area-decreasing, violating a central assumption of network transport models. PLoS Computational Biology, 2020, 16, e1007853. | 3.2 | 10 |
| 36 | Realised rather than fundamental thermal niches predict site occupancy: Implications for climate change forecasting. Journal of Animal Ecology, 2020, 89, 2863-2875. | 2.8 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Title is missing!. , 2020, 16, e1007853. | | 0 |
| 38 | Title is missing!. , 2020, 16, e1007853. | | 0 |
| 39 | Title is missing!. , 2020, 16, e1007853. | | 0 |
| 40 | Title is missing!. , 2020, 16, e1007853. | | 0 |
| 41 | Title is missing!. , 2020, 16, e1007853. | | 0 |
| 42 | Title is missing!. , 2020, 16, e1007853. | | 0 |
| 43 | Species-energy relationships of indigenous and invasive species may arise in different ways â€“ a demonstration using springtails. Scientific Reports, 2019, 9, 13799. | 3.3 | 8 |
| 44 | Sustained Antarctic Research: A 21st Century Imperative. One Earth, 2019, 1, 95-113. | 6.8 | 54 |
| 45 | The State and Future of Antarctic Environments in a Global Context. Annual Review of Environment and Resources, 2019, 44, 1-30. | 13.4 | 54 |
| 46 | Invasive species differ in key functional traits from native and nonâ€invasive alien plant species. Journal of Vegetation Science, 2019, 30, 994-1006. | 2.2 | 64 |
| 47 | The ecological biogeography of indigenous and introduced Antarctic springtails. Journal of Biogeography, 2019, 46, 1959-1973. | 3.0 | 34 |
| 48 | Comparing thermal performance curves across traits: how consistent are they?. Journal of Experimental Biology, 2019, 222, . | 1.7 | 58 |
| 49 | Rate dynamics of ectotherm responses to thermal stress. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190174. | 2.6 | 32 |
| 50 | Phenotypic plasticity in locomotor performance of a monophyletic group of weevils accords with the warmer is better hypothesis. Journal of Experimental Biology, 2019, 222, . | 1.7 | 6 |
| 51 | Vagrant birds as a dispersal vector in transoceanic range expansion of vascular plants. Scientific Reports, 2019, 9, 4655. | 3.3 | 15 |
| 52 | Intraspecific variation in lizard heat tolerance alters estimates of climate impact. Journal of Animal Ecology, 2019, 88, 247-257. | 2.8 | 56 |
| 53 | The effect of network size and sampling completeness in depauperate networks. Journal of Animal Ecology, 2019, 88, 211-222. | 2.8 | 34 |
| 54 | Conservation implications of spatial genetic structure in two species of oribatid mites from the Antarctic Peninsula and the Scotia Arc. Antarctic Science, 2018, 30, 105-114. | 0.9 | 12 |

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|---|---|---|---|
| 55 | A decade of invertebrate colonization pressure on Scott Base in the Ross Sea region. Biological Invasions, 2018, 20, 2623-2633. | 2.4 | 10 |
| 56 | A global analysis of elevational distribution of nonâ€native versus native plants. Journal of Biogeography, 2018, 45, 793-803. | 3.0 | 26 |
| 57 | Basal resistance enhances warming tolerance of alien over indigenous species across latitude. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 145-150. | 7.1 | 67 |
| 58 | Climate change leads to increasing population density and impacts of a key island invader. Ecological Applications, 2018, 28, 212-224. | 3.8 | 46 |
| 59 | High resolution temperature data for ecological research and management on the Southern Ocean Islands. Scientific Data, 2018, 5, 180177. | 5.3 | 25 |
| 60 | A widespread thermodynamic effect, but maintenance of biological rates through space across life's major domains. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181775. | 2.6 | 47 |
| 61 | Species richness and turnover among indigenous and introduced plants and insects of the Southern Ocean Islands. Ecosphere, 2018, 9, e02358. | 2.2 | 26 |
| 62 | Improving human and environmental health in urban informal settlements: the Revitalising Informal Settlements and their Environments (RISE) programme. Lancet Planetary Health, The, 2018, 2, S29. | 11.4 | 22 |
| 63 | Reconsidering connectivity in the subâ€<scp>A</scp>ntarctic. Biological Reviews, 2017, 92, 2164-2181. | 10.4 | 58 |
| 64 | Expanding the Protected Area Network in Antarctica is Urgent and Readily Achievable. Conservation Letters, 2017, 10, 670-680. | 5.7 | 47 |
| 65 | Following the Antarctic Circumpolar Current: patterns and processes in the biogeography of the limpet Nacella (Mollusca: Patellogastropoda) across the Southern Ocean. Journal of Biogeography, 2017, 44, 861-874. | 3.0 | 41 |
| 66 | Thermal preference and performance in a sub-Antarctic caterpillar: A test of the coadaptation hypothesis and its alternatives. Journal of Insect Physiology, 2017, 98, 108-116. | 2.0 | 7 |
| 67 | Tsunami debris spells trouble. Science, 2017, 357, 1356-1356. | 12.6 | 2 |
| 68 | The veiled ecological danger of rising sea levels. Nature Ecology and Evolution, 2017, 1, 1219-1221. | 7.8 | 8 |
| 69 | Barriers to globally invasive species are weakening across the Antarctic. Diversity and Distributions, 2017, 23, 982-996. | 4.1 | 75 |
| 70 | Handbook of protocols for standardized measurement of terrestrial invertebrate functional traits. Functional Ecology, 2017, 31, 558-567. | 3.6 | 290 |
| 71 | Gall wasp biocontrol of invasive Acacia longifolia: implications of strong bottomâ€up effects. Ecosphere, 2017, 8, e02043. | 2.2 | 7 |
| 72 | Range expansion of two invasive springtails on sub-Antarctic Macquarie Island. Polar Biology, 2017, 40, 2137-2142. | 1.2 | 5 |

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|---|---|---|---|
| 73 | Antarctica and the strategic plan for biodiversity. PLoS Biology, 2017, 15, e2001656. | 5.6 | 82 |
| 74 | Terrestrial invasions on sub-Antarctic Marion and Prince Edward Islands. Bothalia, 2017, 47, . | 0.3 | 31 |
| 75 | Range expansion and increasing impact of the introduced wasp Aphidius matricariae Haliday on sub-Antarctic Marion Island. Biological Invasions, 2016, 18, 1235-1246. | 2.4 | 7 |
| 76 | Further support for thermal ecosystem engineering by wandering albatross. Antarctic Science, 2016, 28, 35-43. | 0.9 | 5 |
| 77 | Macrophysiology â€“ progress and prospects. Functional Ecology, 2016, 30, 330-344. | 3.6 | 77 |
| 78 | Urban warming favours C<sub>4</sub> plants in temperate European cities. Journal of Ecology, 2016, 104, 1618-1626. | 4.0 | 10 |
| 79 | The response of springtails to fire in the fynbos of the Western Cape, South Africa. Applied Soil Ecology, 2016, 108, 165-175. | 4.3 | 13 |
| 80 | Interactions between rates of temperature change and acclimation affect latitudinal patterns of warming tolerance. , 2016, 4, cow053. | | 50 |
| 81 | Antarctic Entomology. Annual Review of Entomology, 2016, 61, 119-137. | 11.8 | 67 |
| 82 | Global compositional variation among native and non-native regional insect assemblages emphasizes the importance of pathways. Biological Invasions, 2016, 18, 893-905. | 2.4 | 63 |
| 83 | Similar metabolic rate-temperature relationships after acclimation at constant and fluctuating temperatures in caterpillars of a sub-Antarctic moth. Journal of Insect Physiology, 2016, 85, 10-16. | 2.0 | 16 |
| 84 | The abundance structure of Azorella selago Hook. f. on sub-Antarctic Marion Island: testing the peak and tail hypothesis. Polar Biology, 2015, 38, 1881-1890. | 1.2 | 2 |
| 85 | Thermal physiology and urbanization: perspectives on exit, entry and transformation rules. Functional Ecology, 2015, 29, 902-912. | 3.6 | 45 |
| 86 | Indirect effects of habitat disturbance on invasion: nutritious litter from a grazing resistant plant favors alien over native Collembola. Ecology and Evolution, 2015, 5, 3462-3471. | 1.9 | 36 |
| 87 | Growth and reproduction of laboratory-reared neanurid Collembola using a novel slime mould diet. Scientific Reports, 2015, 5, 11957. | 3.3 | 25 |
| 88 | The changing form of Antarctic biodiversity. Nature, 2015, 522, 431-438. | 27.8 | 277 |
| 89 | Updated list of Collembola species currently recorded from South Africa. ZooKeys, 2015, 503, 55-88. | 1.1 | 25 |
| 90 | Monitoring biological invasion across the broader Antarctic: A baseline and indicator framework. Global Environmental Change, 2015, 32, 108-125. | 7.8 | 67 |

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|---|---|---|---|
| 91 | Editorial overview: Global change biology: Insects in a hot, crowded and connected world. Current Opinion in Insect Science, 2015, 11, iv-vi. | 4.4 | 0 |
| 92 | Upper thermal tolerance in aquatic insects. Current Opinion in Insect Science, 2015, 11, 78-83. | 4.4 | 23 |
| 93 | Microclimate-based macrophysiology: implications for insects in a warming world. Current Opinion in Insect Science, 2015, 11, 84-89. | 4.4 | 48 |
| 94 | Biological invasions, climate change and genomics. Evolutionary Applications, 2015, 8, 23-46. | 3.1 | 209 |
| 95 | Antarcticaâ€™s Protected Areas Are Inadequate, Unrepresentative, and at Risk. PLoS Biology, 2014, 12, e1001888. | 5.6 | 88 |
| 96 | Desiccation tolerance as a function of age, sex, humidity and temperature in adults of the African malaria vectors Anopheles arabiensis Patton and Anopheles funestus Giles. Journal of Experimental Biology, 2014, 217, 3823-33. | 1.7 | 29 |
| 97 | A hierarchy of factors influence discontinuous gas exchange in the grasshopper Paracinema tricolor (Orthoptera: Acrididae). Journal of Experimental Biology, 2014, 217, 3407-15. | 1.7 | 21 |
| 98 | Lack of coherence in the warming responses of marine crustaceans. Functional Ecology, 2014, 28, 895-903. | 3.6 | 53 |
| 99 | Solving the puzzle of Pringleophaga â€“ threatened, keystone detritivores in the subâ€Antarctic. Insect Conservation and Diversity, 2014, 7, 308-313. | 3.0 | 11 |
| 100 | Novel ecosystems support substantial avian assemblages: the case of invasive alien <scp>A</scp>cacia thickets. Diversity and Distributions, 2014, 20, 34-45. | 4.1 | 23 |
| 101 | Lizard thermal trait variation at multiple scales: a review. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2014, 184, 5-21. | 1.5 | 154 |
| 102 | Chemosensory and thermal cue responses in the sub-Antarctic moth Pringleophaga marioni: Do caterpillars choose Wandering Albatross nest proxies?. Polar Biology, 2014, 37, 555-563. | 1.2 | 5 |
| 103 | Antagonistic effects of biological invasion and temperature change on body size of island ectotherms. Diversity and Distributions, 2014, 20, 202-213. | 4.1 | 19 |
| 104 | Geothermal activity helps life survive glacial cycles. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5634-5639. | 7.1 | 133 |
| 105 | The spatial structure of Antarctic biodiversity. Ecological Monographs, 2014, 84, 203-244. | 5.4 | 286 |
| 106 | Natural dispersal to sub-Antarctic Marion Island of two arthropod species. Polar Biology, 2014, 37, 781-787. | 1.2 | 10 |
| 107 | Aliens in Antarctica: Assessing transfer of plant propagules by human visitors to reduce invasion risk. Biological Conservation, 2014, 171, 278-284. | 4.1 | 72 |
| 108 | Polar research: Six priorities for Antarctic science. Nature, 2014, 512, 23-25. | 27.8 | 189 |

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|---|---|---|---|
| 109 | Local Scale Comparisons of Biodiversity as a Test for Global Protected Area Ecological Performance: A Meta-Analysis. PLoS ONE, 2014, 9, e105824. | 2.5 | 167 |
| 110 | Species distribution modelling in lowâ€interaction environments: Insights from a terrestrial Antarctic system. Austral Ecology, 2013, 38, 279-288. | 1.5 | 5 |
| 111 | Upper thermal limits in terrestrial ectotherms: how constrained are they?. Functional Ecology, 2013, 27, 934-949. | 3.6 | 519 |
| 112 | Stable and fluctuating temperature effects on the development rate and survival of two malaria vectors, Anopheles arabiensis and Anopheles funestus. Parasites and Vectors, 2013, 6, 104. | 2.5 | 84 |
| 113 | Heat freezes niche evolution. Ecology Letters, 2013, 16, 1206-1219. | 6.4 | 708 |
| 114 | What is conservation physiology? Perspectives on an increasingly integrated and essential science. , 2013, 1, cot001-cot001. | | 350 |
| 115 | Thermal biology, population fluctuations and implications of temperature extremes for the management of two globally significant insect pests. Journal of Insect Physiology, 2013, 59, 1199-1211. | 2.0 | 76 |
| 116 | Ecophysiological forecasting for environmental change adaptation. Functional Ecology, 2013, 27, 930-933. | 3.6 | 1 |
| 117 | Contingent absences account for range limits but not the local abundance structure of an invasive springtail. Ecography, 2013, 36, 146-156. | 4.5 | 10 |
| 118 | Scale effects on the body size frequency distributions of <scp>A</scp>frican birds: patterns and potential mechanisms. Global Ecology and Biogeography, 2013, 22, 380-390. | 5.8 | 10 |
| 119 | Human activities, propagule pressure and alien plants in the sub-Antarctic: Tests of generalities and evidence in support of management. Biological Conservation, 2013, 161, 18-27. | 4.1 | 52 |
| 120 | A predicted niche shift corresponds with increased thermal resistance in an invasive mite, <scp>H</scp>alotydeus destructor. Global Ecology and Biogeography, 2013, 22, 942-951. | 5.8 | 87 |
| 121 | Metabolic and water loss rates of two cryptic species in the African velvet worm genus Opisthopatus (Onychophora). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2013, 183, 323-332. | 1.5 | 14 |
| 122 | Ontogenetic shifts in plant interactions vary with environmental severity and affect population structure. New Phytologist, 2013, 200, 241-250. | 7.3 | 74 |
| 123 | South African research in the Southern Ocean: New opportunities but serious challenges. South African Journal of Science, 2013, 109, 4. | 0.7 | 3 |
| 124 | Climate change and elevational diversity capacity: do weedy species take up the slack?. Biology Letters, 2013, 9, 20120806. | 2.3 | 24 |
| 125 | Continent-wide risk assessment for the establishment of nonindigenous species in Antarctica. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4938-4943. | 7.1 | 292 |
| 126 | Biotic interactions modify the effects of oxygen on insect gigantism. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10745-10746. | 7.1 | 2 |

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|---|---|---|---|
| 127 | Respiratory dynamics of discontinuous gas exchange in the tracheal system of the desert locust,Schistocerca gregaria. Journal of Experimental Biology, 2012, 215, 2301-2307. | 1.7 | 33 |
| 128 | Density, body size and sex ratio of an indigenous spider along an altitudinal gradient in the sub-Antarctic. Antarctic Science, 2012, 24, 15-22. | 0.9 | 10 |
| 129 | Antarctic Marine Biodiversity and Deep-Sea Hydrothermal Vents. PLoS Biology, 2012, 10, e1001232. | 5.6 | 17 |
| 130 | Phylogeny and colonization history of Pringlea antiscorbutica (Brassicaceae), an emblematic endemic from the South Indian Ocean Province. Molecular Phylogenetics and Evolution, 2012, 65, 748-756. | 2.7 | 19 |
| 131 | Challenges to the Future Conservation of the Antarctic. Science, 2012, 337, 158-159. | 12.6 | 146 |
| 132 | Conservation biogeography of the <scp>A</scp>ntarctic. Diversity and Distributions, 2012, 18, 726-741. | 4.1 | 199 |
| 133 | Thermal limits of wild and laboratory strains of two African malaria vector species, Anopheles arabiensis and Anopheles funestus. Malaria Journal, 2012, 11, 226. | 2.3 | 54 |
| 134 | The Fynbos and Succulent Karoo Biomes Do Not Have Exceptional Local Ant Richness. PLoS ONE, 2012, 7, e31463. | 2.5 | 21 |
| 135 | A new specific plant host for the agave snout weevil, Scyphophorus acupunctatus Gyllenhal, 1838 (Coleoptera: Curculionidae) in South Africa: a destructive pest of species of Agave L. (Agavaceae). Bradleya, 2012, 30, 19-24. | 0.3 | 9 |
| 136 | Trait-based approaches to conservation physiology: forecasting environmental change risks from the bottom up. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 1615-1627. | 4.0 | 81 |
| 137 | An information-theoretic approach to evaluating the size and temperature dependence of metabolic rate. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3616-3621. | 2.6 | 36 |
| 138 | Reactive oxygen species production and discontinuous gas exchange in insects. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 893-901. | 2.6 | 26 |
| 139 | Phylogeography of a mite, Halozetes fulvus, reflects the landscape history of a young volcanic island in the sub-Antarctic. Biological Journal of the Linnean Society, 2012, 105, 131-145. | 1.6 | 17 |
| 140 | Litter decomposition in fynbos vegetation, South Africa. Soil Biology and Biochemistry, 2012, 47, 100-105. | 8.8 | 17 |
| 141 | The effects of acclimation and rates of temperature change on critical thermal limits in Tenebrio molitor (Tenebrionidae) and Cyrtobagous salviniae (Curculionidae). Journal of Insect Physiology, 2012, 58, 669-678. | 2.0 | 73 |
| 142 | Comment on â€œErosion of Lizard Diversity by Climate Change and Altered Thermal Nichesâ€• Science, 2011, 332, 537-537. | 12.6 | 44 |
| 143 | The Ecological Implications of Physiological Diversity in Dung Beetles. , 2011, , 200-219. | | 19 |
| 144 | Food for thought: Risks of non-native species transfer to the Antarctic region with fresh produce. Biological Conservation, 2011, 144, 1682-1689. | 4.1 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Time-course for attainment and reversal of acclimation to constant temperature in two Ceratitis species. Journal of Thermal Biology, 2011, 36, 479-485. | 2.5 | 78 |
| 146 | Non-indigenous microorganisms in the Antarctic: assessing the risks. Trends in Microbiology, 2011, 19, 540-548. | 7.7 | 136 |
| 147 | Climatic Predictors of Temperature Performance Curve Parameters in Ectotherms Imply Complex Responses to Climate Change. American Naturalist, 2011, 177, 738-751. | 2.1 | 384 |
| 148 | Intraspecific Body Size Frequency Distributions of Insects. PLoS ONE, 2011, 6, e16606. | 2.5 | 46 |
| 149 | Spatial scale and species identity influence the indigenousâ€“alien diversity relationship in springtails. Ecology, 2011, 92, 1436-1447. | 3.2 | 28 |
| 150 | Quantification of intra-regional propagule movements in the Antarctic. Antarctic Science, 2011, 23, 337-342. | 0.9 | 20 |
| 151 | Long-term ecosystem networks to record change: an international imperative. Antarctic Science, 2011, 23, 209-209. | 0.9 | 18 |
| 152 | Discontinuous gas exchange: new perspectives on evolutionary origins and ecological implications. Functional Ecology, 2011, 25, 1163-1168. | 3.6 | 38 |
| 153 | Creating novel food webs on introduced Australian acacias: indirect effects of galling biological control agents. Diversity and Distributions, 2011, 17, 958-967. | 4.1 | 37 |
| 154 | Water loss in insects: An environmental change perspective. Journal of Insect Physiology, 2011, 57, 1070-1084. | 2.0 | 296 |
| 155 | Variation in decomposition rates in the fynbos biome, South Africa: the role of plant species and plant stoichiometry. Oecologia, 2011, 165, 225-235. | 2.0 | 18 |
| 156 | Seasonal, altitudinal and host plant-related variation in the abundance of aphids (Insecta, Hemiptera) on sub-Antarctic Marion Island. Polar Biology, 2011, 34, 513-520. | 1.2 | 4 |
| 157 | Ecologically relevant measures of tolerance to potentially lethal temperatures. Journal of Experimental Biology, 2011, 214, 3713-3725. | 1.7 | 352 |
| 158 | Springtail diversity in South Africa. South African Journal of Science, 2011, 107, . | 0.7 | 16 |
| 159 | Metabolic rate, genetic and microclimate variation among springtail populations from sub-Antarctic Marion Island. Polar Biology, 2010, 33, 909-918. | 1.2 | 22 |
| 160 | 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. | 1.4 | 31 |
| 161 | Population responses within a landscape matrix: a macrophysiological approach to understanding climate change impacts. Evolutionary Ecology, 2010, 24, 601-616. | 1.2 | 24 |
| 162 | Trait means and reaction norms: the consequences of climate change/invasion interactions at the organism level. Evolutionary Ecology, 2010, 24, 1365-1380. | 1.2 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Effects of flow rate and temperature on cyclic gas exchange in tsetse flies (Diptera, Glossinidae). Journal of Insect Physiology, 2010, 56, 513-521. | 2.0 | 21 |
| 164 | Pre-freeze mortality in three species of aphids from sub-Antarctic Marion Island. Journal of Thermal Biology, 2010, 35, 255-262. | 2.5 | 5 |
| 165 | Body size variation in insects: a macroecological perspective. Biological Reviews, 2010, 85, 139-169. | 10.4 | 534 |
| 166 | Using scaleâ€“area curves to quantify the distribution, abundance and range expansion potential of an invasive species. Diversity and Distributions, 2010, 16, 159-169. | 4.1 | 25 |
| 167 | Taxonomic homogenization and differentiation across Southern Ocean Islands differ among insects and vascular plants. Journal of Biogeography, 2010, 37, 217-228. | 3.0 | 76 |
| 168 | South Africa: big science should stay on the agenda. Nature, 2010, 464, 30-30. | 27.8 | 1 |
| 169 | Ambient, productive and wind energy, and ocean extent predict global species richness of procellariiform seabirds. Global Ecology and Biogeography, 2010, 19, 98-110. | 5.8 | 41 |
| 170 | Temporal biodiversity change in transformed landscapes: a southern African perspective. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 3729-3742. | 4.0 | 50 |
| 171 | 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. | 1.7 | 57 |
| 172 | Oxygen limitation and thermal tolerance in two terrestrial arthropod species. Journal of Experimental Biology, 2010, 213, 2209-2218. | 1.7 | 101 |
| 173 | Parameter landscapes unveil the bias in allometric prediction. Methods in Ecology and Evolution, 2010, 1, 69-74. | 5.2 | 18 |
| 174 | Phenotypic Plasticity of Locomotion Performance in the Seed HarvesterMessor capensis(Formicidae). Physiological and Biochemical Zoology, 2010, 83, 519-530. | 1.5 | 36 |
| 175 | Effects of thermal acclimation on water loss rate and tolerance in the collembolanPogonognathellus flavescens. Physiological Entomology, 2009, 34, 325-332. | 1.5 | 9 |
| 176 | Assemblage level variation in springtail lower lethal temperature: the role of invasive species on subâ€Antarctic Marion Island. Physiological Entomology, 2009, 34, 284-291. | 1.5 | 26 |
| 177 | Life stage-related differences in hardening and acclimation of thermal tolerance traits in the kelp fly, Paractora dreuxi (Diptera, Helcomyzidae). Journal of Insect Physiology, 2009, 55, 336-343. | 2.0 | 61 |
| 178 | Phenotypic variance, plasticity and heritability estimates of critical thermal limits depend on methodological context. Functional Ecology, 2009, 23, 133-140. | 3.6 | 271 |
| 179 | Indirect effects of invasive species removal devastate World Heritage Island. Journal of Applied Ecology, 2009, 46, 73-81. | 4.0 | 350 |
| 180 | Management implications of the Macquarie Island trophic cascade revisited: a reply to Dowding etÂal. (2009). Journal of Applied Ecology, 2009, 46, 1133-1136. | 4.0 | 36 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Coefficient shifts in geographical ecology: an empirical evaluation of spatial and nonâ€spatial regression. Ecography, 2009, 32, 193-204. | 4.5 | 231 |
| 182 | The extent and impacts of ungulate translocations: South Africa in a global context. Biological Conservation, 2009, 142, 353-363. | 4.1 | 48 |
| 183 | Changes in soil nematode populations indicate an annual life cycle at Cape Hallett, Antarctica. Pedobiologia, 2009, 52, 375-386. | 1.2 | 18 |
| 184 | Breaching the dispersal barrier to invasion: quantification and management. Ecological Applications, 2009, 19, 1944-1959. | 3.8 | 99 |
| 185 | Insect Rateâ€Temperature Relationships: Environmental Variation and the Metabolic Theory of Ecology. American Naturalist, 2009, 174, 819-835. | 2.1 | 144 |
| 186 | Physiological tolerances account for range limits and abundance structure in an invasive slug. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 1459-1468. | 2.6 | 72 |
| 187 | Directional Evolution of the Slope of the Metabolic Rateâ€“Temperature Relationship Is Correlated with Climate. Physiological and Biochemical Zoology, 2009, 82, 495-503. | 1.5 | 64 |
| 188 | Extrapolating population size from the occupancyâ€“abundance relationship and the scaling pattern of occupancy. Ecological Applications, 2009, 19, 2038-2048. | 3.8 | 49 |
| 189 | The detection of spatial structure in populations and communities: An empirical case study. Ecoscience, 2009, 16, 95-110. | 1.4 | 2 |
| 190 | Animal Introductions to Southern Systems: Lessons for Ecology and for Policy. African Zoology, 2009, 44, 248-262. | 0.4 | 10 |
| 191 | Dissecting the plantâ€“insect diversity relationship in the Cape. Molecular Phylogenetics and Evolution, 2009, 51, 94-99. | 2.7 | 44 |
| 192 | Macrophysiology: A Conceptual Reunification. American Naturalist, 2009, 174, 595-612. | 2.1 | 298 |
| 193 | Quantifying the propagule load associated with the construction of an Antarctic research station. Antarctic Science, 2009, 21, 471-475. | 0.9 | 45 |
| 194 | Unpredictable change in Antarctic terrestrial systems: a consequence of science and policy priorities?. Antarctic Science, 2009, 21, 315. | 0.9 | 2 |
| 195 | Spatial variation in structural damage to a keystone plant species in the sub-Antarctic: interactions betweenAzorella selagoand invasive house mice. Antarctic Science, 2009, 21, 189-196. | 0.9 | 27 |
| 196 | Deconstructing a controversial local range expansion: conservation biogeography of the painted reed frog (Hyperolius marmoratus) in South Africa. Diversity and Distributions, 2008, 14, 400-411. | 4.1 | 18 |
| 197 | Conservation of Southern Ocean Islands: invertebrates as exemplars. Journal of Insect Conservation, 2008, 12, 277-291. | 1.4 | 38 |
| 198 | DNA barcoding and the documentation of alien species establishment on sub-Antarctic Marion Island. Polar Biology, 2008, 31, 651-655. | 1.2 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Herbivores, but not other insects, are scarce on alien plants. Austral Ecology, 2008, 33, 691-700. | 1.5 | 49 |
| 200 | Beneficial acclimation and the Bogert effect. Ecology Letters, 2008, 11, 1027-1036. | 6.4 | 77 |
| 201 | Environmental factors, regional body size distributions and spatial variation in body size of local avian assemblages. Global Ecology and Biogeography, 2008, 17, 514-523. | 5.8 | 28 |
| 202 | Ecogeographical rules: elements of a synthesis. Journal of Biogeography, 2008, 35, 483-500. | 3.0 | 284 |
| 203 | Taxonomic homogenization in ungulates: patterns and mechanisms at local and global scales. Journal of Biogeography, 2008, 35, 1962-1975. | 3.0 | 60 |
| 204 | Thermal tolerance in a south-east African population of the tsetse fly Glossina pallidipes (Diptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54, 114-127. | 2.0 | 131 |
| 205 | Bias, precision and accuracy in the estimation of cuticular and respiratory water loss: A case study from a highly variable cockroach, Perisphaeria sp.. Journal of Insect Physiology, 2008, 54, 169-179. | 2.0 | 15 |
| 206 | Acclimation effects on critical and lethal thermal limits of workers of the Argentine ant, Linepithema humile. Journal of Insect Physiology, 2008, 54, 1008-1014. | 2.0 | 70 |
| 207 | Scaling of gas exchange cycle frequency in insects. Biology Letters, 2008, 4, 127-129. | 2.3 | 14 |
| 208 | Mean mass-specific metabolic rates are strikingly similar across life's major domains: Evidence for life's metabolic optimum. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16994-16999. | 7.1 | 276 |
| 209 | Investigating onychophoran gas exchange and water balance as a means to inform current controversies in arthropod physiology. Journal of Experimental Biology, 2008, 211, 3139-3146. | 1.7 | 15 |
| 210 | Macrophysiology for a changing world. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 1469-1478. | 2.6 | 194 |
| 211 | Control of discontinuous gas exchange inSamia cynthia: effects of atmospheric oxygen, carbon dioxide and moisture. Journal of Experimental Biology, 2008, 211, 3272-3280. | 1.7 | 60 |
| 212 | Evolutionary responses of discontinuous gas exchange in insects. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8357-8361. | 7.1 | 92 |
| 213 | Factory Flies Are Not Equal to Wild Flies. Science, 2007, 317, 1678-1678. | 12.6 | 19 |
| 214 | The effects of temperature, body mass and feeding on metabolic rate in the tsetse fly Glossina morsitans centralis. Physiological Entomology, 2007, 32, 175-180. | 1.5 | 31 |
| 215 | Cuticular lipid mass and desiccation rates in Glossina pallidipes: interpopulation variation. Physiological Entomology, 2007, 32, 287-293. | 1.5 | 21 |
| 216 | Critical thermal limits depend on methodological context. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2935-2943. | 2.6 | 380 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Spatial and temporal variability across life's hierarchies in the terrestrial Antarctic. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 2307-2331. | 4.0 | 186 |
| 218 | Phenotypic plasticity mediates climate change responses among invasive and indigenous arthropods. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2531-2537. | 2.6 | 259 |
| 219 | Modelling the winter distribution of a rare and endangered migrant, the Aquatic Warbler Acrocephalus paludicola. Ibis, 2007, 149, 701-714. | 1.9 | 25 |
| 220 | Plenary Lecture: L3. LINKING MOLECULAR MECHANISMS TO POPULATION DYNAMICS: CHALLENGES FOR EVOLUTIONARY PHYSIOLOGISTS. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 148, S2. | 1.8 | 0 |
| 221 | Acclimation effects on thermal tolerances of springtails from sub-Antarctic Marion Island: Indigenous and invasive species. Journal of Insect Physiology, 2007, 53, 113-125. | 2.0 | 91 |
| 222 | Stage-related variation in rapid cold hardening as a test of the environmental predictability hypothesis. Journal of Insect Physiology, 2007, 53, 455-462. | 2.0 | 36 |
| 223 | Genetic evidence confirms the origin of the house mouse on sub-Antarctic Marion Island. Polar Biology, 2007, 30, 327-332. | 1.2 | 19 |
| 224 | Testing the Beneficial Acclimation Hypothesis and Its Alternatives for Locomotor Performance. American Naturalist, 2006, 168, 630-644. | 2.1 | 117 |
| 225 | Discontinuous Gas Exchange in Insects: A Clarification of Hypotheses and Approaches. Physiological and Biochemical Zoology, 2006, 79, 333-343. | 1.5 | 158 |
| 226 | Endemicity biases nestedness metrics: a demonstration, explanation and solution. Ecography, 2006, 29, 347-356. | 4.5 | 30 |
| 227 | Physiological Diversity in Insects: Ecological and Evolutionary Contexts. Advances in Insect Physiology, 2006, 33, 50-152. | 2.7 | 446 |
| 228 | Caterpillars benefit from thermal ecosystem engineering by wandering albatrosses on sub-Antarctic Marion Island. Biology Letters, 2006, 2, 51-54. | 2.3 | 31 |
| 229 | Protected areas and regional avian species richness in South Africa. Biology Letters, 2006, 2, 184-188. | 2.3 | 24 |
| 230 | Determinants of terrestrial arthropod community composition at Cape Hallett, Antarctica. Antarctic Science, 2006, 18, 303-312. | 0.9 | 32 |
| 231 | People, species richness and human population growth. Global Ecology and Biogeography, 2006, 15, 625-636. | 5.8 | 35 |
| 232 | Species and community responses to short-term climate manipulation: Microarthropods in the sub-Antarctic. Austral Ecology, 2006, 31, 719-731. | 1.5 | 46 |
| 233 | A Global Indicator for Biological Invasion. Conservation Biology, 2006, 20, 1635-1646. | 4.7 | 44 |
| 234 | Body size patterns in Drosophila inhabiting a mesocosm: interactive effects of spatial variation in temperature and abundance. Oecologia, 2006, 149, 245-255. | 2.0 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | The microarthropods of sub-Antarctic Prince Edward Island: a quantitative assessment. Polar Biology, 2006, 30, 109-119. | 1.2 | 13 |
| 236 | Environmental physiology of three species of Collembola at Cape Hallett, North Victoria Land, Antarctica. Journal of Insect Physiology, 2006, 52, 29-50. | 2.0 | 73 |
| 237 | Phenotypic plasticity of thermal tolerances in five oribatid mite species from sub-Antarctic Marion Island. Journal of Insect Physiology, 2006, 52, 693-700. | 2.0 | 58 |
| 238 | Linking Molecular Physiology to Ecological Realities. Physiological and Biochemical Zoology, 2006, 79, 314-323. | 1.5 | 18 |
| 239 | Rapid cold-hardening in a Karoo beetle, Afrinus sp.. Physiological Entomology, 2006, 31, 98-101. | 1.5 | 35 |
| 240 | The relative contributions of developmental plasticity and adult acclimation to physiological variation in the tsetse fly, Glossina pallidipes (Diptera, Glossinidae). Journal of Experimental Biology, 2006, 209, 1064-1073. | 1.7 | 105 |
| 241 | PHENOTYPIC PLASTICITY AND GEOGRAPHIC VARIATION IN THERMAL TOLERANCE AND WATER LOSS OF THE TSETSE GLOSSINA PALLIDIPES (DIPTERA: GLOSSINIDAE): IMPLICATIONS FOR DISTRIBUTION MODELLING. American Journal of Tropical Medicine and Hygiene, 2006, 74, 786-794. | 1.4 | 126 |
| 242 | Human impacts, energy availability and invasion across Southern Ocean Islands. Global Ecology and Biogeography, 2005, 14, 521-528. | 5.8 | 66 |
| 243 | Concerning invasive species: Reply to Brown and Sax. Austral Ecology, 2005, 30, 475-480. | 1.5 | 68 |
| 244 | Effects of a short-term climate change experiment on a sub-Antarctic keystone plant species. Global Change Biology, 2005, 11, 1628-1639. | 9.5 | 63 |
| 245 | Neutrality and the niche. Functional Ecology, 2005, 19, 1-6. | 3.6 | 77 |
| 246 | Temperature-dependence of metabolic rate in Glossina morsitans morsitans (Diptera, Glossinidae) does not vary with gender, age, feeding, pregnancy or acclimation. Journal of Insect Physiology, 2005, 51, 861-870. | 2.0 | 41 |
| 247 | The effects of acclimation on thermal tolerance, desiccation resistance and metabolic rate in Chirodica chalcoptera (Coleoptera: Chrysomelidae). Journal of Insect Physiology, 2005, 51, 1013-1023. | 2.0 | 82 |
| 248 | Biological invasions in the Antarctic: extent, impacts and implications. Biological Reviews, 2005, 80, 45-72. | 10.4 | 577 |
| 249 | Deleterious effects of repeated cold exposure in a freeze-tolerant sub-Antarctic caterpillar. Journal of Experimental Biology, 2005, 208, 869-879. | 1.7 | 72 |
| 250 | Landscape Corridors: Possible Dangers?. Science, 2005, 310, 779-783. | 12.6 | 38 |
| 251 | Constraint and Competition in Assemblages: A Crossâ€Continental and Modeling Approach for Ants. American Naturalist, 2005, 165, 481-494. | 2.1 | 63 |
| 252 | Differential responses of thermal tolerance to acclimation in the sub-Antarctic rove beetle Halmaeusa atriceps. Physiological Entomology, 2005, 30, 195-204. | 1.5 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | Insect gas exchange patterns: a phylogenetic perspective. Journal of Experimental Biology, 2005, 208, 4495-4507. | 1.7 | 110 |
| 254 | The Midâ€Domain Effect Revisited. American Naturalist, 2005, 166, E144-E148. | 2.1 | 70 |
| 255 | Metabolism of the sub-Antarctic caterpillar Pringleophaga marioni during cooling, freezing and thawing. Journal of Experimental Biology, 2004, 207, 1287-1294. | 1.7 | 56 |
| 256 | Hemispheric Asymmetries in Biodiversityâ€"A Serious Matter for Ecology. PLoS Biology, 2004, 2, e406. | 5.6 | 129 |
| 257 | Nestedness of Southern Ocean island biotas: ecological perspectives on a biogeographical conundrum. Journal of Biogeography, 2004, 32, 155-168. | 3.0 | 74 |
| 258 | Response of African savanna ants to long-term fire regimes. Journal of Applied Ecology, 2004, 41, 630-642. | 4.0 | 204 |
| 259 | Metabolic rate in the whip-spider, Damon annulatipes (Arachnida: Amblypygi). Journal of Insect Physiology, 2004, 50, 637-645. | 2.0 | 30 |
| 260 | Regulated bradycardia in the pulmonate limpet Siphonaria (Gastropoda: Mollusca) during pollutant exposure: implication for biomarker studies. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2004, 139, 309-316. | 1.8 | 18 |
| 261 | Cold tolerance of Littorinidae from southern Africa: intertidal snails are not constrained to freeze tolerance. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2004, 174, 617-624. | 1.5 | 22 |
| 262 | Spatial congruence of ecological transition at the regional scale in South Africa. Journal of Biogeography, 2004, 31, 843-854. | 3.0 | 36 |
| 263 | Upper thermal tolerance and oxygen limitation in terrestrial arthropods. Journal of Experimental Biology, 2004, 207, 2361-2370. | 1.7 | 155 |
| 264 | A missing ingredient - more active participation by younger scientists. Antarctic Science, 2004, 16, 97-97. | 0.9 | 0 |
| 265 | Marine hyadesiid mites from Gough Island. Hydrobiologia, 2003, 495, 119-126. | 2.0 | 0 |
| 266 | Diurnal variation in supercooling points of three species of Collembola from Cape Hallett, Antarctica. Journal of Insect Physiology, 2003, 49, 1049-1061. | 2.0 | 81 |
| 267 | Rapid responses to high temperature and desiccation but not to low temperature in the freeze tolerant sub-Antarctic caterpillar Pringleophaga marioni (Lepidoptera, Tineidae). Journal of Insect Physiology, 2003, 49, 45-52. | 2.0 | 61 |
| 268 | Climatic variability and the evolution of insect freeze tolerance. Biological Reviews, 2003, 78, 181-195. | 10.4 | 183 |
| 269 | Altitudinal body size clines: latitudinal effects associated with changing seasonality. Ecography, 2003, 26, 445-455. | 4.5 | 160 |
| 270 | Burning issues for conservation: A critique of faunal fire research in Southern Africa. Austral Ecology, 2003, 28, 384-395. | 1.5 | 98 |

| # | Article | IF | Citations |
|---|---|---|---|
| 271 | Resistance to temperature extremes in sub-Antarctic weevils: interspecific variation, population differentiation and acclimation. Biological Journal of the Linnean Society, 2003, 78, 401-414. | 1.6 | 137 |
| 272 | Repeatability of standard metabolic rate and gas exchange characteristics in a highly variable cockroach, Perisphaeria sp.. Journal of Experimental Biology, 2003, 206, 4565-4574. | 1.7 | 77 |
| 273 | ENERGY, SPECIES RICHNESS, AND HUMAN POPULATION SIZE: CONSERVATION IMPLICATIONS AT A NATIONAL SCALE. , 2003, 13, 1233-1241. | | 146 |
| 274 | Insects at low temperatures: an ecological perspective. Trends in Ecology and Evolution, 2003, 18, 257-262. | 8.7 | 370 |
| 275 | Rates of species introduction to a remote oceanic island. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1091-1098. | 2.6 | 103 |
| 276 | Discontinuous gas exchange and the significance of respiratory water loss in scarabaeine beetles. Journal of Experimental Biology, 2003, 206, 3547-3556. | 1.7 | 59 |
| 277 | Waterâ€Balance Characteristics Respond to Changes in Body Size in Subantarctic Weevils. Physiological and Biochemical Zoology, 2003, 76, 634-643. | 1.5 | 29 |
| 278 | The acarine fauna of Heard Island. Polar Biology, 2002, 25, 688-695. | 1.2 | 16 |
| 279 | Haemolymph osmolality and thermal hysteresis activity in 17 species of arthropods from sub-Antarctic Marion Island. Polar Biology, 2002, 25, 928-933. | 1.2 | 18 |
| 280 | Vulnerability of South African animal taxa to climate change. Global Change Biology, 2002, 8, 679-693. | 9.5 | 259 |
| 281 | Discontinuous gas-exchange in centipedes and its convergent evolution in tracheated arthropods. Journal of Experimental Biology, 2002, 205, 1019-1029. | 1.7 | 45 |
| 282 | World Heritage Status and Conservation of Southern Ocean Islands. Conservation Biology, 2001, 15, 550-557. | 4.7 | 57 |
| 283 | Title is missing!. Journal of Insect Conservation, 2001, 5, 27-36. | 1.4 | 74 |
| 284 | Critical thermal limits, temperature tolerance and water balance of a sub-Antarctic kelp fly, Paractora dreuxi (Diptera: Helcomyzidae). Journal of Insect Physiology, 2001, 47, 95-109. | 2.0 | 61 |
| 285 | Physiological variation in insects: hierarchical levels and implications. Journal of Insect Physiology, 2001, 47, 649-660. | 2.0 | 207 |
| 286 | Revisiting water loss in insects: a large scale view. Journal of Insect Physiology, 2001, 47, 1377-1388. | 2.0 | 147 |
| 287 | Milnesium cfr. tardigradum (Milnesiidae, Apochela, Tardigrada): A Monitor of High Altitude Meiofauna on Sub-Antarctic Marion Island. Zoologischer Anzeiger, 2001, 240, 461-465. | 0.9 | 12 |
| 288 | Spatial variation and biogeography of sand forest avian assemblages in South Africa. Journal of Biogeography, 2000, 27, 1385-1401. | 3.0 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 289 | Island-hopping invaders hitch a ride with tourists in South Georgia. Nature, 2000, 408, 637-637. | 27.8 | 18 |
| 290 | A comparative analysis of metabolic rate in six Scarabaeus species (Coleoptera: Scarabaeidae) from southern Africa: further caveats when inferring adaptation. Journal of Insect Physiology, 2000, 46, 553-562. | 2.0 | 45 |
| 291 | Thermal tolerance, climatic variability and latitude. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 739-745. | 2.6 | 895 |
| 292 | Areas, cradles and museums: the latitudinal gradient in species richness. Trends in Ecology and Evolution, 2000, 15, 311-315. | 8.7 | 240 |
| 293 | Reply from S.L. Chown and K.J. Gaston. Trends in Ecology and Evolution, 2000, 15, 514-515. | 8.7 | 2 |
| 294 | TESTING GENERALITIES IN THE SHAPE OF PATCH OCCUPANCY FREQUENCY DISTRIBUTIONS. Ecology, 2000, 81, 3163-3177. | 3.2 | 38 |
| 295 | Discontinuous gas exchange and water loss in the keratin beetle Omorgus radula: further evidence against the water conservation hypothesis?. Physiological Entomology, 2000, 25, 309-314. | 1.5 | 0 |
| 296 | Discontinuous gas exchange and water loss in the keratin beetle Omorgus radula: further evidence against the water conservation hypothesis?. Physiological Entomology, 2000, 25, 309-314. | 1.5 | 19 |
| 297 | Testing Generalities in the Shape of Patch Occupancy Frequency Distributions. Ecology, 2000, 81, 3163. | 3.2 | 4 |
| 298 | Exploring links between physiology and ecology at macro-scales: the role of respiratory metabolism in insects. Biological Reviews, 1999, 74, 87-120. | 10.4 | 300 |
| 299 | Temperature dependence of feeding behaviour in the mopane worm (Lepidoptera). Journal of Thermal Biology, 1999, 24, 241-244. | 2.5 | 10 |
| 300 | Species turnover, community boundaries and biogeographical composition of dung beetle assemblages across an altitudinal gradient in South Africa. Journal of Biogeography, 1999, 26, 1039-1055. | 3.0 | 80 |
| 301 | Why Rapoport's Rule Does Not Generalise. Oikos, 1999, 84, 309. | 2.7 | 142 |
| 302 | Elevation and Climatic Tolerance: A Test Using Dung Beetles. Oikos, 1999, 86, 584. | 2.7 | 222 |
| 303 | Life at the front: history, ecology and change on southern ocean islands. Trends in Ecology and Evolution, 1999, 14, 472-477. | 8.7 | 211 |
| 304 | Conservation of heterogeneity among dung beetles in the Maputaland Centre of Endemism, South Africa. Biological Conservation, 1999, 88, 145-153. | 4.1 | 72 |
| 305 | Global patterns in species richness of pelagic seabirds: the Procellariiformes. Ecography, 1998, 21, 342-350. | 4.5 | 31 |
| 306 | Interactions between desiccation resistance, host-plant contact and the thermal biology of a leaf-dwelling sub-antarctic caterpillar, Embryonopsis halticella (Lepidoptera: Yponomeutidae). Journal of Insect Physiology, 1998, 44, 615-628. | 2.0 | 63 |

| # | Article | IF | Citations |
|---|---|---|---|
| 307 | Scaling up the value of bioindicators. Trends in Ecology and Evolution, 1998, 13, 46-47. | 8.7 | 171 |
| 308 | Biodiversity Assessment and Conservation Strategies. Science, 1998, 279, 2106-2108. | 12.6 | 300 |
| 309 | Evidence of Competition in a Herbivorous, Gall-Inhabiting Moth (Lepidoptera) Community. Oikos, 1997, 78, 107. | 2.7 | 17 |
| 310 | The spatial variability of rare and common species in a gall-inhabiting Lepidoptera community. Ecography, 1997, 20, 123-131. | 4.5 | 10 |
| 311 | Critical thermal limits, temperature tolerance and water balance of a sub-Antarctic caterpillar, Pringleophaga marioni (Lepidoptera: Tineidae). Journal of Insect Physiology, 1997, 43, 685-694. | 2.0 | 112 |
| 312 | Behavioural thermoregulation in the mopane worm (Lepidoptera). Journal of Thermal Biology, 1997, 22, 325-330. | 2.5 | 19 |
| 313 | The Influence of Habitat and Altitude on Oxygen Uptake in Sub-Antarctic Weevils. Physiological Zoology, 1997, 70, 116-124. | 1.5 | 33 |
| 314 | Air-breathing by tightly-closed intertidal molluscs: benefits of small size to Laevilitorina caliginosa (Gould, 1846) and Lasaea consanguinea Smith, 1879 living at Husvik, South Georgia. Journal of Molluscan Studies, 1995, 61, 292-294. | 1.2 | 3 |
| 315 | Increasing impacts by Antarcticaâ€™s most widespread invasive plant species as result of direct competition with native vascular plants. NeoBiota, 0, 51, 19-40. | 1.0 | 26 |
| 316 | Using nearâ€ground leaf temperatures alters the projected climate change impacts on the historical range of a floristic biodiversity hotspot. Diversity and Distributions, 0, , . | 4.1 | 2 |