Steven L Chown

List of Publications by Year
in descending order

201	19,620	13099	14208
papers	citations	68 h-index	128 g-index

204	204	204	14691
all docs	docs citations	times ranked	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	Invasive species impacts on sub-Antarctic Collembola support the Antarctic climate-diversity-invasion hypothesis. Soil Biology and Biochemistry, 2022, 166, 108579.	8.8	4
4	Geographic range size and speciation in honeyeaters. Bmc Ecology and Evolution, 2022, 22, .	1.6	11
5	The second warning to humanity: contributions and solutions from conservation physiology. , 2021, 9, .		11
6	An unusually diverse genus of Collembola in the Cape Floristic Region characterised by substantial desiccation tolerance. Oecologia, 2021, 195, 873-885.	2.0	6
7	Time course of acclimation of critical thermal limits in two springtail species (Collembola). Journal of Insect Physiology, 2021, 130, 104209.	2.0	6
8	Geographical bias in physiological data limits predictions of global change impacts. Functional Ecology, 2021, 35, 1572-1578.	3.6	22
9	Where do functional traits come from? The role of theory and models. Functional Ecology, 2021, 35, 1385-1396.	3.6	38
10	Sub-critical limits are viable alternatives to critical thermal limits. Journal of Thermal Biology, 2021, 101, 103106.	2.5	12
11	Adequate sample sizes for improved accuracy of thermal trait estimates. Functional Ecology, 2021, 35, 2647-2662.	3.6	12
12	Springtail phylogeography highlights biosecurity risks of repeated invasions and intraregional transfers among remote islands. Evolutionary Applications, 2020, 13, 960-973.	3.1	16
13	Life at the extremes. , 2020, , 343-354.		0
14	Basal tolerance but not plasticity gives invasive springtails the advantage in an assemblage setting. , 2020, 8, coaa049.		19
15	Antarcticaâ€™s wilderness fails to capture continentâ€™s biodiversity. Nature, 2020, 583, 567-571.	27.8	32
16	Constant and fluctuating temperature acclimations have similar effects on phenotypic plasticity in springtails. Journal of Thermal Biology, 2020, 93, 102690.	2.5	5
17	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
18	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

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19	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
20	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
21	The ecological biogeography of indigenous and introduced Antarctic springtails. Journal of Biogeography, 2019, 46, 1959-1973.	3.0	34
22	Comparing thermal performance curves across traits: how consistent are they?. Journal of Experimental Biology, 2019, 222, .	1.7	58
23	Rate dynamics of ectotherm responses to thermal stress. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190174.	2.6	32
24	Thermoregulatory traits combine with range shifts to alter the future of montane ant assemblages. Global Change Biology, 2019, 25, 2162-2173.	9.5	16
25	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
26	Vagrant birds as a dispersal vector in transoceanic range expansion of vascular plants. Scientific Reports, 2019, 9, 4655.	3.3	15
27	Intraspecific variation in lizard heat tolerance alters estimates of climate impact. Journal of Animal Ecology, 2019, 88, 247-257.	2.8	56
28	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
29	A decade of invertebrate colonization pressure on Scott Base in the Ross Sea region. Biological Invasions, 2018, 20, 2623-2633.	2.4	10
30	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
31	Climate change leads to increasing population density and impacts of a key island invader. Ecological Applications, 2018, 28, 212-224.	3.8	46
32	High resolution temperature data for ecological research and management on the Southern Ocean Islands. Scientific Data, 2018, 5, 180177.	5.3	25
33	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
34	Species richness and turnover among indigenous and introduced plants and insects of the Southern Ocean Islands. Ecosphere, 2018, 9, e02358.	2.2	26
35	Geographic variation and plasticity in climate stress resistance among southern African populations of Ceratitis capitata (Wiedemann) (Diptera: Tephritidae). Scientific Reports, 2018, 8, 9849.	3.3	41
36	Reconsidering connectivity in the subâ€‹<scp>A</scp>ntarctic. Biological Reviews, 2017, 92, 2164-2181.	10.4	58

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37	Expanding the Protected Area Network in Antarctica is Urgent and Readily Achievable. Conservation Letters, 2017, 10, 670-680.	5.7	47
38	Barriers to globally invasive species are weakening across the Antarctic. Diversity and Distributions, 2017, 23, 982-996.	4.1	75
39	Handbook of protocols for standardized measurement of terrestrial invertebrate functional traits. Functional Ecology, 2017, 31, 558-567.	3.6	290
40	Range expansion of two invasive springtails on sub-Antarctic Macquarie Island. Polar Biology, 2017, 40, 2137-2142.	1.2	5
41	Terrestrial invasions on sub-Antarctic Marion and Prince Edward Islands. Bothalia, 2017, 47, .	0.3	31
42	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
43	Macrophysiology â€“ progress and prospects. Functional Ecology, 2016, 30, 330-344.	3.6	77
44	Ant assemblages have darker and larger members in cold environments. Global Ecology and Biogeography, 2016, 25, 1489-1499.	5.8	95
45	Interactions between rates of temperature change and acclimation affect latitudinal patterns of warming tolerance. , 2016, 4, cow053.		50
46	Rising temperatures and changing rainfall patterns in South Africa's national parks. International Journal of Climatology, 2016, 36, 706-721.	3.5	102
47	A metaâ€analysis of human disturbance impacts on Antarctic wildlife. Biological Reviews, 2016, 91, 578-596.	10.4	65
48	Soil biota in a megadiverse country: Current knowledge and future research directions in South Africa. Pedobiologia, 2016, 59, 129-174.	1.2	45
49	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
50	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
51	Thermal physiology and urbanization: perspectives on exit, entry and transformation rules. Functional Ecology, 2015, 29, 902-912.	3.6	45
52	Growth and reproduction of laboratory-reared neanurid Collembola using a novel slime mould diet. Scientific Reports, 2015, 5, 11957.	3.3	25
53	Updated list of Collembola species currently recorded from South Africa. ZooKeys, 2015, 503, 55-88.	1.1	25
54	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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55	Polar lessons learned: longâ€term management based on shared threats in Arctic and Antarctic environments. Frontiers in Ecology and the Environment, 2015, 13, 316-324.	4.0	59
56	Upper thermal tolerance in aquatic insects. Current Opinion in Insect Science, 2015, 11, 78-83.	4.4	23
57	Microclimate-based macrophysiology: implications for insects in a warming world. Current Opinion in Insect Science, 2015, 11, 84-89.	4.4	48
58	Biological invasions, climate change and genomics. Evolutionary Applications, 2015, 8, 23-46.	3.1	209
59	Antarcticaâ€™s Protected Areas Are Inadequate, Unrepresentative, and at Risk. PLoS Biology, 2014, 12, e1001888.	5.6	88
60	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
61	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
62	Lack of coherence in the warming responses of marine crustaceans. Functional Ecology, 2014, 28, 895-903.	3.6	53
63	Solving the puzzle of Pringleophaga â€“ threatened, keystone detritivores in the subâ€Antarctic. Insect Conservation and Diversity, 2014, 7, 308-313.	3.0	11
64	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
65	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
66	Antagonistic effects of biological invasion and temperature change on body size of island ectotherms. Diversity and Distributions, 2014, 20, 202-213.	4.1	19
67	The spatial structure of Antarctic biodiversity. Ecological Monographs, 2014, 84, 203-244.	5.4	286
68	Natural dispersal to sub-Antarctic Marion Island of two arthropod species. Polar Biology, 2014, 37, 781-787.	1.2	10
69	Aliens in Antarctica: Assessing transfer of plant propagules by human visitors to reduce invasion risk. Biological Conservation, 2014, 171, 278-284.	4.1	72
70	Polar research: Six priorities for Antarctic science. Nature, 2014, 512, 23-25.	27.8	189
71	Species distribution modelling in lowâ€interaction environments: Insights from a terrestrial Antarctic system. Austral Ecology, 2013, 38, 279-288.	1.5	5
72	Upper thermal limits in terrestrial ectotherms: how constrained are they?. Functional Ecology, 2013, 27, 934-949.	3.6	519

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73	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
74	Heat freezes niche evolution. Ecology Letters, 2013, 16, 1206-1219.	6.4	708
75	What is conservation physiology? Perspectives on an increasingly integrated and essential science. , 2013, 1, cot001-cot001.		350
76	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
77	Ecophysiological forecasting for environmental change adaptation. Functional Ecology, 2013, 27, 930-933.	3.6	1
78	Contingent absences account for range limits but not the local abundance structure of an invasive springtail. Ecography, 2013, 36, 146-156.	4.5	10
79	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
80	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
81	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
82	Climate change and elevational diversity capacity: do weedy species take up the slack?. Biology Letters, 2013, 9, 20120806.	2.3	24
83	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
84	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
85	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
86	Conservation biogeography of the <scp>A</scp>ntarctic. Diversity and Distributions, 2012, 18, 726-741.	4.1	199
87	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
88	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
89	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
90	The Ecological Implications of Physiological Diversity in Dung Beetles. , 2011, , 200-219.		19

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91	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
92	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
93	Non-indigenous microorganisms in the Antarctic: assessing the risks. Trends in Microbiology, 2011, 19, 540-548.	7.7	136
94	Climatic Predictors of Temperature Performance Curve Parameters in Ectotherms Imply Complex Responses to Climate Change. American Naturalist, 2011, 177, 738-751.	2.1	384
95	Intraspecific Body Size Frequency Distributions of Insects. PLoS ONE, 2011, 6, e16606.	2.5	46
96	Spatial scale and species identity influence the indigenousâ€“alien diversity relationship in springtails. Ecology, 2011, 92, 1436-1447.	3.2	28
97	Quantification of intra-regional propagule movements in the Antarctic. Antarctic Science, 2011, 23, 337-342.	0.9	20
98	Water loss in insects: An environmental change perspective. Journal of Insect Physiology, 2011, 57, 1070-1084.	2.0	296
99	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
100	Ecologically relevant measures of tolerance to potentially lethal temperatures. Journal of Experimental Biology, 2011, 214, 3713-3725.	1.7	352
101	Population responses within a landscape matrix: a macrophysiological approach to understanding climate change impacts. Evolutionary Ecology, 2010, 24, 601-616.	1.2	24
102	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
103	Pre-freeze mortality in three species of aphids from sub-Antarctic Marion Island. Journal of Thermal Biology, 2010, 35, 255-262.	2.5	5
104	Body size variation in insects: a macroecological perspective. Biological Reviews, 2010, 85, 139-169.	10.4	534
105	Taxonomic homogenization and differentiation across Southern Ocean Islands differ among insects and vascular plants. Journal of Biogeography, 2010, 37, 217-228.	3.0	76
106	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
107	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
108	Oxygen limitation and thermal tolerance in two terrestrial arthropod species. Journal of Experimental Biology, 2010, 213, 2209-2218.	1.7	101

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109	Phenotypic Plasticity of Locomotion Performance in the Seed HarvesterMessor capensis(Formicidae). Physiological and Biochemical Zoology, 2010, 83, 519-530.	1.5	36
110	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
111	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
112	Phenotypic variance, plasticity and heritability estimates of critical thermal limits depend on methodological context. Functional Ecology, 2009, 23, 133-140.	3.6	271
113	Indirect effects of invasive species removal devastate World Heritage Island. Journal of Applied Ecology, 2009, 46, 73-81.	4.0	350
114	Management implications of the Macquarie Island trophic cascade revisited: a reply to Dowding etAal. (2009). Journal of Applied Ecology, 2009, 46, 1133-1136.	4.0	36
115	The extent and impacts of ungulate translocations: South Africa in a global context. Biological Conservation, 2009, 142, 353-363.	4.1	48
116	Breaching the dispersal barrier to invasion: quantification and management. Ecological Applications, 2009, 19, 1944-1959.	3.8	99
117	Insect Rateâ€Temperature Relationships: Environmental Variation and the Metabolic Theory of Ecology. American Naturalist, 2009, 174, 819-835.	2.1	144
118	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
119	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
120	Animal Introductions to Southern Systems: Lessons for Ecology and for Policy. African Zoology, 2009, 44, 248-262.	0.4	10
121	Macrophysiology: A Conceptual Reunification. American Naturalist, 2009, 174, 595-612.	2.1	298
122	Quantifying the propagule load associated with the construction of an Antarctic research station. Antarctic Science, 2009, 21, 471-475.	0.9	45
123	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
124	Conservation of Southern Ocean Islands: invertebrates as exemplars. Journal of Insect Conservation, 2008, 12, 277-291.	1.4	38
125	DNA barcoding and the documentation of alien species establishment on sub-Antarctic Marion Island. Polar Biology, 2008, 31, 651-655.	1.2	37
126	Beneficial acclimation and the Bogert effect. Ecology Letters, 2008, 11, 1027-1036.	6.4	77

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127	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
128	Ecogeographical rules: elements of a synthesis. Journal of Biogeography, 2008, 35, 483-500.	3.0	284
129	Thermal tolerance in a south-east African population of the tsetse fly Glossina pallidipes (Diptera,) Tj ETQq1 1 0.784314 rgBT /Overloc 54, 114-127.	2.0	131
130	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
131	Macrophysiology for a changing world. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 1469-1478.	2.6	194
132	Conservation of Southern Ocean Islands: invertebrates as exemplars. , 2008, , 83-97.		1
133	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
134	Critical thermal limits depend on methodological context. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2935-2943.	2.6	380
135	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
136	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
137	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
138	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
139	Genetic evidence confirms the origin of the house mouse on sub-Antarctic Marion Island. Polar Biology, 2007, 30, 327-332.	1.2	19
140	Testing the Beneficial Acclimation Hypothesis and Its Alternatives for Locomotor Performance. American Naturalist, 2006, 168, 630-644.	2.1	117
141	Physiological Diversity in Insects: Ecological and Evolutionary Contexts. Advances in Insect Physiology, 2006, 33, 50-152.	2.7	446
142	Determinants of terrestrial arthropod community composition at Cape Hallett, Antarctica. Antarctic Science, 2006, 18, 303-312.	0.9	32
143	Species and community responses to short-term climate manipulation: Microarthropods in the sub-Antarctic. Austral Ecology, 2006, 31, 719-731.	1.5	46
144	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

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145	The microarthropods of sub-Antarctic Prince Edward Island: a quantitative assessment. Polar Biology, 2006, 30, 109-119.	1.2	13
146	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
147	Linking Molecular Physiology to Ecological Realities. Physiological and Biochemical Zoology, 2006, 79, 314-323.	1.5	18
148	Rapid cold-hardening in a Karoo beetle, Afrinus sp.. Physiological Entomology, 2006, 31, 98-101.	1.5	35
149	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
150	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
151	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, 786-94.	1.4	32
152	Human impacts, energy availability and invasion across Southern Ocean Islands. Global Ecology and Biogeography, 2005, 14, 521-528.	5.8	66
153	Concerning invasive species: Reply to Brown and Sax. Austral Ecology, 2005, 30, 475-480.	1.5	68
154	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
155	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
156	Biological invasions in the Antarctic: extent, impacts and implications. Biological Reviews, 2005, 80, 45-72.	10.4	577
157	Deleterious effects of repeated cold exposure in a freeze-tolerant sub-Antarctic caterpillar. Journal of Experimental Biology, 2005, 208, 869-879.	1.7	72
158	Constraint and Competition in Assemblages: A Crossâ€Continental and Modeling Approach for Ants. American Naturalist, 2005, 165, 481-494.	2.1	63
159	Differential responses of thermal tolerance to acclimation in the sub-Antarctic rove beetle Halmaeusa atriceps. Physiological Entomology, 2005, 30, 195-204.	1.5	32
160	Metabolism of the sub-Antarctic caterpillar Pringleophaga marioni during cooling, freezing and thawing. Journal of Experimental Biology, 2004, 207, 1287-1294.	1.7	56
161	Hemispheric Asymmetries in Biodiversityâ€"A Serious Matter for Ecology. PLoS Biology, 2004, 2, e406.	5.6	129
162	Metabolic rate in the whip-spider, Damon annulatipes (Arachnida: Amblypygi). Journal of Insect Physiology, 2004, 50, 637-645.	2.0	30

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163	Upper thermal tolerance and oxygen limitation in terrestrial arthropods. Journal of Experimental Biology, 2004, 207, 2361-2370.	1.7	155
164	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
165	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
166	Climatic variability and the evolution of insect freeze tolerance. Biological Reviews, 2003, 78, 181-195.	10.4	183
167	Altitudinal body size clines: latitudinal effects associated with changing seasonality. Ecography, 2003, 26, 445-455.	4.5	160
168	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
169	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
170	ENERGY, SPECIES RICHNESS, AND HUMAN POPULATION SIZE: CONSERVATION IMPLICATIONS AT A NATIONAL SCALE. , 2003, 13, 1233-1241.		146
171	Insects at low temperatures: an ecological perspective. Trends in Ecology and Evolution, 2003, 18, 257-262.	8.7	370
172	Rates of species introduction to a remote oceanic island. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1091-1098.	2.6	103
173	Discontinuous gas exchange and the significance of respiratory water loss in scarabaeine beetles. Journal of Experimental Biology, 2003, 206, 3547-3556.	1.7	59
174	Waterâ€Balance Characteristics Respond to Changes in Body Size in Subantarctic Weevils. Physiological and Biochemical Zoology, 2003, 76, 634-643.	1.5	29
175	The acarine fauna of Heard Island. Polar Biology, 2002, 25, 688-695.	1.2	16
176	Vulnerability of South African animal taxa to climate change. Global Change Biology, 2002, 8, 679-693.	9.5	259
177	World Heritage Status and Conservation of Southern Ocean Islands. Conservation Biology, 2001, 15, 550-557.	4.7	57
178	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
179	Physiological variation in insects: hierarchical levels and implications. Journal of Insect Physiology, 2001, 47, 649-660.	2.0	207
180	Revisiting water loss in insects: a large scale view. Journal of Insect Physiology, 2001, 47, 1377-1388.	2.0	147

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