Michael Kearney

List of Publications by Citations

170 papers	15,008 citations	52 h-index	121 g-index
181 ext. papers	17,726 ext. citations	5.8 avg, IF	7.08 L-index

#	Paper	IF	Citations
170	The art of modelling range-shifting species. *Methods in Ecology and Evolution*, **2010**, 1, 330-342	7.7	1435
169	Mechanistic niche modelling: combining physiological and spatial data to predict species' ranges. *Ecology Letters*, **2009**, 12, 334-50	10	1369
168	Predicting species distributions for conservation decisions. *Ecology Letters*, **2013**, 16, 1424-35	10	985
167	Predicting organismal vulnerability to climate warming: roles of behaviour, physiology and adaptation. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2012**, 367, 1665-79	5.8	778
166	The potential for behavioral thermoregulation to buffer "cold-blooded" animals against climate warming. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 3835-40	11.5	698
165	Thermal-safety margins and the necessity of thermoregulatory behavior across latitude and elevation. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 5610-5	11.5	630
164	Declining body size: a third universal response to warming?. *Trends in Ecology and Evolution*, **2011**, 26, 285-91	10.9	624
163	Birth of a biome: insights into the assembly and maintenance of the Australian arid zone biota. *Molecular Ecology*, **2008**, 17, 4398-417	5.7	490
162	Correlation and process in species distribution models: bridging a dichotomy. *Journal of Biogeography*, **2012**, 39, 2119-2131	4.1	414
161	MAPPING THE FUNDAMENTAL NICHE: PHYSIOLOGY, CLIMATE, AND THE DISTRIBUTION OF A NOCTURNAL LIZARD. *Ecology*, **2004**, 85, 3119-3131	4.6	344
160	Habitat, environment and niche: what are we modelling?. *Oikos*, **2006**, 115, 186-191	4	332
159	A rapid shift in a classic clinal pattern in Drosophila reflecting climate change. *Science*, **2005**, 308, 691-3	33.3	309
158	Correlative and mechanistic models of species distribution provide congruent forecasts under climate change. *Conservation Letters*, **2010**, 3, 203-213	6.9	307
157	Integrating biophysical models and evolutionary theory to predict climatic impacts on species ranges: the dengue mosquito Aedes aegypti in Australia. *Functional Ecology*, **2009**, 23, 528-538	5.6	302
156	Modelling species distributions without using species distributions: the cane toad in Australia under current and future climates. *Ecography*, **2008**, 31, 423-434	6.5	258
155	Hybridization, glaciation and geographical parthenogenesis. *Trends in Ecology and Evolution*, **2005**, 20, 495-502	10.9	231
154	Modelling the ecological niche from functional traits. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 3469-83	5.8	214

153	Biological responses to the press and pulse of climate trends and extreme events. *Nature Climate Change*, **2018**, 8, 579-587	21.4	186
152	Realized niche shift during a global biological invasion. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 10233-8	11.5	175
151	Size, shape, and the thermal niche of endotherms. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106 Suppl 2, 19666-72	11.5	162
150	Sensitivity to thermal extremes in Australian Drosophila implies similar impacts of climate change on the distribution of widespread and tropical species. *Global Change Biology*, **2014**, 20, 1738-50	11.4	151
149	Predicting the fate of a living fossil: how will global warming affect sex determination and hatching phenology in tuatara?. *Proceedings of the Royal Society B: Biological Sciences*, **2008**, 275, 2185-93	4.4	142
148	The 'covariation method' for estimating the parameters of the standard Dynamic Energy Budget model I: Philosophy and approach. *Journal of Sea Research*, **2011**, 66, 270-277	1.9	138
147	Microclim: Global estimates of hourly microclimate based on long-term monthly climate averages. *Scientific Data*, **2014**, 1, 140006	8.2	127
146	Determinants of inter-specific variation in basal metabolic rate. *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, **2013**, 183, 1-26	2.2	126
145	NicheMapR – an R package for biophysical modelling: the microclimate model. *Ecography*, **2017**, 40, 664-674	6.5	110
144	Metabolic scaling in animals: methods, empirical results, and theoretical explanations. *Comprehensive Physiology*, **2014**, 4, 231-56	7.7	104
143	Activity restriction and the mechanistic basis for extinctions under climate warming. *Ecology Letters* , **2013**, 16, 1470-9	10	100
142	Modelling nutritional interactions: from individuals to communities. *Trends in Ecology and Evolution*, **2010**, 25, 53-60	10.9	97
141	Microclimate modelling at macro scales: a test of a general microclimate model integrated with gridded continental-scale soil and weather data. *Methods in Ecology and Evolution*, **2014**, 5, 273-286	7.7	93
140	Biomechanics meets the ecological niche: the importance of temporal data resolution. *Journal of Experimental Biology*, **2012**, 215, 922-33	3	91
139	Field studies of reptile thermoregulation: how well do physical models predict operative temperatures?. *Functional Ecology*, **2001**, 15, 282-288	5.6	86
138	Balancing heat, water and nutrients under environmental change: a thermodynamic niche framework. *Functional Ecology*, **2013**, 27, 950-966	5.6	85
137	Metabolic theory, life history and the distribution of a terrestrial ectotherm. *Functional Ecology*, **2012**, 26, 167-179	5.6	83
136	Advances in Monitoring and Modelling Climate at Ecologically Relevant Scales. *Advances in Ecological Research*, **2018**, 101-161	4.6	78

135	Combining heat-transfer and energy budget models to predict thermal stress in Mediterranean intertidal mussels. *Chemistry and Ecology*, **2011**, 27, 135-145	2.3	77
134	DO NOCTURNAL ECTOTHERMS THERMOREGULATE? A STUDY OF THE TEMPERATE GECKO CHRISTINUS MARMORATUS. *Ecology*, **2000**, 81, 2984-2996	4.6	74
133	Forecasting species range dynamics with process-explicit models: matching methods to applications. *Ecology Letters*, **2019**, 22, 1940-1956	10	72
132	Tree-hugging koalas demonstrate a novel thermoregulatory mechanism for arboreal mammals. *Biology Letters*, **2014**, 10,	3.6	70
131	Excluding access to invasion hubs can contain the spread of an invasive vertebrate. *Proceedings of the Royal Society B: Biological Sciences*, **2011**, 278, 2900-8	4.4	69
130	Hot rocks and much-too-hot rocks: seasonal patterns of retreat-site selection by a nocturnal ectotherm. *Journal of Thermal Biology*, **2002**, 27, 205-218	2.9	67
129	The □ovariation method□for estimating the parameters of the standard Dynamic Energy Budget model II: Properties and preliminary patterns. *Journal of Sea Research*, **2011**, 66, 278-288	1.9	66
128	Modeling the consequences of thermal trait variation for the cane toad invasion of Australia **2010**, 20, 2273-85		66
127	Reconciling theories for metabolic scaling. *Journal of Animal Ecology*, **2014**, 83, 20-9	4.7	62
126	Testing metabolic theories. *American Naturalist*, **2012**, 180, 546-65	3.7	62
125	Unpacking the mechanisms captured by a correlative species distribution model to improve predictions of climate refugia. *Global Change Biology*, **2016**, 22, 2425-39	11.4	62
124	Early emergence in a butterfly causally linked to anthropogenic warming. *Biology Letters*, **2010**, 6, 674-7	3.6	59
123	Why is sex so unpopular in the Australian desert?. *Trends in Ecology and Evolution*, **2003**, 18, 605-607	10.9	59
122	Mechanistic variables can enhance predictive models of endotherm distributions: the American pika under current, past, and future climates. *Global Change Biology*, **2017**, 23, 1048-1064	11.4	58
121	Integrating phylogeography and physiology reveals divergence of thermal traits between central and peripheral lineages of tropical rainforest lizards. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2012**, 367, 1680-7	5.8	57
120	Open Science principles for accelerating trait-based science across the Tree of Life. *Nature Ecology and Evolution*, **2020**, 4, 294-303	12.3	54
119	A manipulative test of competing theories for metabolic scaling. *American Naturalist*, **2011**, 178, 746-54	3.7	53
118	A physiological analogy of the niche for projecting the potential distribution of plants. *Journal of Biogeography*, **2012**, 39, 2132-2145	4.1	52

117	The toad ahead: challenges of modelling the range and spread of an invasive species. *Wildlife Research*, **2008**, 35, 222	1.8	49
116	Field tests of a general ectotherm niche model show how water can limit lizard activity and distribution. *Ecological Monographs*, **2018**, 88, 672-693	9	48
115	Lost Sex in the Reptiles: Constraints and Correlations **2009**, 447-474		46
114	Waves of parthenogenesis in the desert: evidence for the parallel loss of sex in a grasshopper and a gecko from Australia. *Molecular Ecology*, **2006**, 15, 1743-8	5.7	46
113	A method for computing hourly, historical, terrain-corrected microclimate anywhere on earth. *Methods in Ecology and Evolution*, **2020**, 11, 38-43	7.7	45
112	NicheMapR an R package for biophysical modelling: the ectotherm and Dynamic Energy Budget models. *Ecography*, **2020**, 43, 85-96	6.5	44
111	A dynamic energy budget for the whole life-cycle of holometabolous insects. *Ecological Monographs*, **2015**, 85, 353-371	9	42
110	Combining phylogeography with distribution modeling: multiple Pleistocene range expansions in a parthenogenetic gecko from the Australian arid zone. *PLoS ONE*, **2007**, 2, e760	3.7	42
109	The origin and maintenance of metabolic allometry in animals. *Nature Ecology and Evolution*, **2019**, 3, 598-603	12.3	41
108	Colour change on different body regions provides thermal and signalling advantages in bearded dragon lizards. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283, 20160626	4.4	39
107	Linking Eco-Energetics and Eco-Hydrology to Select Sites for the Assisted Colonization of Australia's Rarest Reptile. *Biology*, **2012**, 2, 1-25	4.9	39
106	Sociality in Lizards: Why Do Thick-tailed Geckos (Nephrurus milii) Aggregate?. *Behaviour*, **2003**, 140, 1039-1052	1.4	37
105	Thermal correlates of foraging-site selection by Chinese pit-vipers (Gloydius shedaoensis, Viperidae). *Journal of Thermal Biology*, **2002**, 27, 405-412	2.9	37
104	Phylogeography of sexual Heteronotia binoei (Gekkonidae) in the Australian arid zone: climatic cycling and repetitive hybridization. *Molecular Ecology*, **2005**, 14, 2755-72	5.7	37
103	Developmental success, stability, and plasticity in closely related parthenogenetic and sexual lizards (Heteronotia, Gekkonidae). *Evolution; International Journal of Organic Evolution*, **2004**, 58, 1560-72	3.8	35
102	Color Change for Thermoregulation versus Camouflage in Free-Ranging Lizards. *American Naturalist*, **2016**, 188, 668-678	3.7	35
101	Predicting climate warming effects on green turtle hatchling viability and dispersal performance. *Functional Ecology*, **2015**, 29, 768-778	5.6	34
100	Thermal sensitivity of Aedes aegypti from Australia: empirical data and prediction of effects on distribution. *Journal of Medical Entomology*, **2011**, 48, 914-23	2.2	34

99	Mechanistic models for predicting insect responses to climate change. *Current Opinion in Insect Science*, **2016**, 17, 81-86	5.1	34
98	Forecasting wildlife die-offs from extreme heat events. *Animal Conservation*, **2019**, 22, 386-395	3.2	32
97	Climate-related spatial and temporal variation in bill morphology over the past century in Australian parrots. *Journal of Biogeography*, **2015**, 42, 1163-1175	4.1	31
96	Ecologists have already started rebuilding community ecology from functional traits. *Trends in Ecology and Evolution*, **2006**, 21, 481-2; author reply 482-3	10.9	31
95	The extinction of dengue through natural vulnerability of its vectors. *PLoS Neglected Tropical Diseases*, **2010**, 4, e922	4.8	30
94	Morphology and burrowing energetics of semi-fossorial skinks (Liopholis spp.). *Journal of Experimental Biology*, **2015**, 218, 2416-26	3	29
93	An individual-based model of ectotherm movement integrating metabolic and microclimatic constraints. *Methods in Ecology and Evolution*, **2018**, 9, 472-489	7.7	29
92	Morphological and Physiological Correlates of Hybrid Parthenogenesis. *American Naturalist*, **2004**, 164, 803-813	3.7	29
91	Antipredator Responses of Free-Ranging Pit Vipers(Gloydius shedaoensis, Viperidae). *Copeia*, **2002**, 2002, 843-850	1.1	29
90	The trade-off between maturation and growth during accelerated development in frogs. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2012**, 163, 95-102	2.6	28
89	Integrating mechanistic and correlative niche models to unravel range-limiting processes in a temperate amphibian. *Global Change Biology*, **2019**, 25, 2633-2647	11.4	27
88	Persistence through tough times: fixed and shifting refuges in threatened species conservation. *Biodiversity and Conservation*, **2019**, 28, 1303-1330	3.4	27
87	Experimental analysis of retreat-site selection by thick-tailed geckos Nephrurus milii. *Austral Ecology*, **2004**, 29, 547-552	1.5	27
86	Lower fecundity in parthenogenetic geckos than sexual relatives in the Australian arid zone. *Journal of Evolutionary Biology*, **2005**, 18, 609-18	2.3	27
85	Stage-dependent physiological responses in a butterfly cause non-additive effects on phenology. *Oikos*, **2012**, 121, 1464-1472	4	25
84	A radiotelemetric study of movements and thermal biology of insular Chinese pit-vipers (Gloydiusshedaoensis, Viperidae). *Oikos*, **2003**, 100, 342-352	4	25
83	Bergmann meets Scholander: geographical variation in body size and insulation in the koala is related to climate. *Journal of Biogeography*, **2015**, 42, 791-802	4.1	24
82	Reptile embryos and climate change: Modelling limits of viability to inform translocation decisions. *Biological Conservation*, **2016**, 204, 134-147	6.2	24

81	Reflection of near-infrared light confers thermal protection in birds. *Nature Communications*, **2018**, 9, 3610	17.4	24
80	Spatio-temporal changes in the structure of an Australian frog hybrid zone: a 40-year perspective. *Evolution; International Journal of Organic Evolution*, **2013**, 67, 3442-54	3.8	22
79	Structure and fragmentation of growling grass frog metapopulations. *Conservation Genetics*, **2013**, 14, 313-322	2.6	22
78	Ontogenetic and interspecific metabolic scaling in insects. *American Naturalist*, **2014**, 184, 695-701	3.7	22
77	The evolution of sexual and parthenogenetic Warramaba: a window onto Plio-Pleistocene diversification processes in an arid biome. *Molecular Ecology*, **2008**, 17, 5257-75	5.7	22
76	Testing mechanistic models of growth in insects. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282,	4.4	21
75	Modeling behavioral thermoregulation in a climate change sentinel. *Ecology and Evolution*, **2015**, 5, 5810-22	2.2	21
74	Co-gradient variation in growth rate and development time of a broadly distributed butterfly. *PLoS ONE*, **2014**, 9, e95258	3.7	21
73	Behavioural thermoregulation and the relative roles of convection and radiation in a basking butterfly. *Journal of Thermal Biology*, **2014**, 41, 65-71	2.9	20
72	Under the weather?-The direct effects of climate warming on a threatened desert lizard are mediated by their activity phase and burrow system. *Journal of Animal Ecology*, **2018**, 87, 660-671	4.7	19
71	Ontogenetic and interspecific scaling of consumption in insects. *Oikos*, **2015**, 124, 1564-1570	4	19
70	Where do Functional Traits Come From? The role of theory and models. *Biodiversity Information Science and Standards*,3,		19
69	Can next-generation soil data products improve soil moisture modelling at the continental scale? An assessment using a new microclimate package for the R programming environment. *Journal of Hydrology*, **2018**, 561, 662-673	6	18
68	Molecular patterns of introgression in a classic hybrid zone between the Australian tree frogs, Litoria ewingii and L. paraewingi: evidence of a tension zone. *Molecular Ecology*, **2013**, 22, 1869-83	5.7	18
67	Increased capacity for sustained locomotion at low temperature in parthenogenetic geckos of hybrid origin. *Physiological and Biochemical Zoology*, **2005**, 78, 316-24	2	18
66	Three questions about the eco-physiology of overwintering underground. *Ecology Letters*, **2021**, 24, 170-185	10	18
65	Fine-scale microhabitat selection for dense vegetation in a heathland rodent, Rattus lutreolus: Insights from intraspecific and temporal patterns. *Austral Ecology*, **2007**, 32, 315-325	1.5	17
64	Why do Juvenile Chinese Pit-Vipers (Gloydius shedaoensis) Select Arboreal Ambush Sites?. *Ethology* , **2002**, 108, 897-910	1.7	17

63	An estimate of the water budget for the endangered night parrot of Australia under recent and future climates. *Climate Change Responses*, **2016**, 3,		15
62	Dynamic Energy Budget Theory: An Efficient and General Theory for Ecology. *BioScience*, **2015**, 65, 341-341	5.7	14
61	Has contemporary climate change played a role in population declines of the lizard Ctenophorus decresii from semi-arid Australia?. *Journal of Thermal Biology*, **2015**, 54, 66-77	2.9	14
60	Evaluating and predicting risk to a large reptile (Varanus varius) from feral cat baiting protocols. *Biological Invasions*, **2013**, 15, 1653-1663	2.7	14
59	A cost-effective method of assessing thermal habitat quality for endotherms. *Austral Ecology*, **2011**, 36, 297-302	1.5	14
58	Do Nocturnal Ectotherms Thermoregulate? A Study of the Temperate Gecko Christinus marmoratus. *Ecology*, **2000**, 81, 2984	4.6	14
57	Hydroregulation **2019**, 343-374		14
56	Climate is a strong predictor of near-infrared reflectance but a poor predictor of colour in butterflies. *Proceedings of the Royal Society B: Biological Sciences*, **2019**, 286, 20190234	4.4	13
55	Is fire a threatening process for Liopholis kintorei, a nationally listed threatened skink?. *Wildlife Research*, **2015**, 42, 207	1.8	12
54	Models of primary sex ratios at a major flatback turtle rookery show an anomalous masculinising trend. *Climate Change Responses*, **2014**, 1,		12
53	Where do functional traits come from? The role of theory and models. *Functional Ecology*, **2021**, 35, 1385-1396	5.6	12
52	The roles of acclimation and behaviour in buffering climate change impacts along elevational gradients. *Journal of Animal Ecology*, **2020**, 89, 1722-1734	4.7	11
51	Novel applications of thermocyclers for phenotyping invertebrate thermal responses. *Methods in Ecology and Evolution*, **2016**, 7, 1201-1208	7.7	11
50	Microclimate modelling of beach sand temperatures reveals high spatial and temporal variation at sea turtle rookeries. *Journal of Thermal Biology*, **2020**, 88, 102522	2.9	10
49	Feeling the pressure at home: Predator activity at the burrow entrance of an endangered arid-zone skink. *Austral Ecology*, **2018**, 43, 102-109	1.5	10
48	One lump or two? Explaining a major latitudinal transition in reproductive allocation in a viviparous lizard. *Functional Ecology*, **2016**, 30, 1373-1383	5.6	10
47	Climate and Fire Scenario Uncertainty Dominate the Evaluation of Options for Conserving the Great Desert Skink. *Conservation Letters*, **2016**, 9, 181-190	6.9	10
46	Integrating dynamic plant growth models and microclimates for species distribution modelling. *Ecological Modelling*, **2020**, 435, 109262	3	9

45	Physiological implications of genomic state in parthenogenetic lizards of reciprocal hybrid origin. *Journal of Evolutionary Biology*, **2012**, 25, 252-63	2.3	9
44	Response to Lundmark: Polyploidization, hybridization and geographical parthenogenesis. *Trends in Ecology and Evolution*, **2006**, 21, 10	10.9	9
43	Accidental altruism in insular pit-vipers (Gloydius shedaoensis, Viperidae). *Evolutionary Ecology*, **2002**, 16, 541-548	1.8	9
42	Modeling the distribution of niche space and risk for a freeze-tolerant ectotherm, Lithobates sylvaticus. *Ecosphere*, **2019**, 10, e02788	3.1	8
41	Linking thermal adaptation and life-history theory explains latitudinal patterns of voltinism. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2019**, 374, 20180547	5.8	8
40	A replicated comparison of breeding-container suitability for the dengue vector Aedes aegypti in tropical and temperate Australia. *Austral Ecology*, **2013**, 38, 219-229	1.5	8
39	Life in the slow lane? A dynamic energy budget model for the western swamp turtle, Pseudemydura umbrina. *Journal of Sea Research*, **2019**, 143, 89-99	1.9	7
38	A general model of the thermal constraints on the world's most destructive locust, Schistocerca gregaria. *Ecological Applications*, **2021**, 31, e02310	4.9	7
37	The effect of egg size on hatch time and metabolic rate: theoretical and empirical insights on developing insect embryos. *Functional Ecology*, **2017**, 31, 227-234	5.6	6
36	How will snow alter exposure of organisms to cold stress under climate warming?. *Global Ecology and Biogeography*, **2020**, 29, 1246-1256	6.1	6
35	Summer egg diapause in a matchstick grasshopper synchronizes the life cycle and buffers thermal extremes. *Integrative Zoology*, **2018**, 13, 437-449	1.9	6
34	The Fundamental Niche Concept Connects Individuals to Populations: A Comment on Angilletta et al. *Integrative and Comparative Biology*, **2019**, 59, 1509-1510	2.8	6
33	Process, correlation and parameter fitting in species distribution models: a response to Kriticos et al. *Journal of Biogeography*, **2013**, 40, 612-613	4.1	6
32	Stasipatric speciation: resurrecting a system to bury a hypothesis?. *Molecular Ecology*, **2009**, 18, 3331-3	5.7	6
31	Biomechanics meets the ecological niche: the importance of temporal data resolution. *Journal of Experimental Biology*, **2012**, 215, 1422-1424	3	6
30	Reproductive Hyperallometry Does Not Challenge Mechanistic Growth Models. *Trends in Ecology and Evolution*, **2019**, 34, 275-276	10.9	6
29	Tracheal branching in ants is area-decreasing, violating a central assumption of network transport models. *PLoS Computational Biology*, **2020**, 16, e1007853	5	5
28	An endangered flightless grasshopper with strong genetic structure maintains population genetic variation despite extensive habitat loss. *Ecology and Evolution*, **2021**, 11, 5364-5380	2.8	5

27	What is the status of metabolic theory one century after Pütter invented the von Bertalanffy growth curve?. *Biological Reviews*, **2021**, 96, 557-575	13.5	5
26	Too much hot air? Informing ethical trapping in hot, dry environments. *Wildlife Research*, **2018**, 45, 16	1.8	5
25	microclimUS: hourly estimates of historical microclimates for the United States of America with example applications. *Ecology*, **2019**, 100, e02829	4.6	4
24	Multiple working hypotheses for hyperallometric reproduction in fishes under metabolic theory. *Ecological Modelling*, **2020**, 433, 109228	3	4
23	Future winters present a complex energetic landscape of decreased costs and reduced risk for a freeze-tolerant amphibian, the Wood Frog (Lithobates sylvaticus). *Global Change Biology*, **2020**, 26, 6350-6362	11.4	4
22	A continent-wide analysis of the shade requirements of red and western grey kangaroos. *Temperature*, **2016**, 3, 340-353	5.2	4
21	MicroclimOz: A microclimate data set for Australia, with example applications. *Austral Ecology*, **2019**, 44, 534-544	1.5	4
20	Grasshopper country before and after: a resurvey of Ken Key's collecting expeditions in New South Wales, Australia, 70 years on. *Austral Entomology*, **2021**, 60, 52-65	1.1	3
19	Dynamics of death by heat. *Science*, **2020**, 369, 1163	33.3	3
18	Modelling the soil microclimate: does the spatial or temporal resolution of input parameters matter?. *Frontiers of Biogeography*, **2016**, 7,	2.9	3
17	The matchstick grasshopper genus Warramaba (Morabidae: Morabinae): a description of four new species and a photographic guide to the group. *Zootaxa*, **2018**, 4482, 201-244	0.5	3
16	The universality of the von Bertalanffy growth curve: Comment on: "Physics of metabolic organization" by Marko Jusup et al. *Physics of Life Reviews*, **2017**, 20, 63-65	2.1	2
15	Geostatistical interpolation can reliably extend coverage of a very high-resolution model of temperature-dependent sex determination. *Journal of Biogeography*, **2018**, 45, 652-663	4.1	2
14	Mechanisms and consequences of changing body size: reply to Bickford et al. and McCauley and Mabry. *Trends in Ecology and Evolution*, **2011**, 26, 555-556	10.9	2
13	A hierarchical approach to understanding physiological associations with climate. *Global Ecology and Biogeography*,	6.1	2
12	Modelling the joint effects of body size and microclimate on heat budgets and foraging opportunities of ectotherms. *Methods in Ecology and Evolution*, **2021**, 12, 458-467	7.7	2
11	Variation in fur properties may explain differences in heat-related mortality among Australian flying-foxes. *Australian Journal of Zoology*, **2021**,	0.5	2
10	Too hot for the devil? Did climate change cause the mid-Holocene extinction of the Tasmanian devil Sacrophilus harrisii from mainland Australia?. *Ecography*, **2022**, 2022,	6.5	2

9	Parthenogenesis without costs in a grasshopper with hybrid origins. *Science*, **2022**, 376, 1110-1114	33.3	2
8	Using Biophysical Models to Improve Survey Efficiency for Cryptic Ectotherms. *Journal of Wildlife Management*, **2020**, 84, 1185-1195	1.9	1
7	DEVELOPMENTAL SUCCESS, STABILITY, AND PLASTICITY IN CLOSELY RELATED PARTHENOGENETIC AND SEXUAL LIZARDS (HETERONOTIA, GEKKONIDAE). *Evolution; International Journal of Organic Evolution*, **2004**, 58, 1560	3.8	1
6	A comment on the growth model of Sibly and Brown (2020). *Journal of Zoology*, **2020**, 312, 145-146	2	1
5	NicheMapR an R package for biophysical modelling: the endotherm model. *Ecography*,	6.5	1
4	Too hot to handle? Balancing increased trapability with capture mortality in hot weather pitfall trapping. *Austral Ecology*, **2016**, 41, 918-926	1.5	
3	Prizing open a black box to understand climatic constraints on seabirds. *Journal of Biogeography*, **2011**, 38, 417-418	4.1	
2	No sex please, we're clonal. *Trends in Ecology and Evolution*, **2009**, 24, 478-479	10.9	
1	The trade-off between maturation and growth during accelerated vertebrate development. *FASEB Journal*, **2012**, 26, 886.15	0.9	