

# Simon P Blomberg

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

95  
papers

10,156  
citations

34  
h-index

100  
g-index

102  
ext. papers

12,260  
ext. citations

5  
avg, IF

6.17  
L-index

#	Paper	IF	Citations
95	Testing hypotheses of marsupial brain size variation using phylogenetic multiple imputations and a Bayesian comparative framework. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 288, 20210394	11.4	3
94	Three methods to measure parasite aggregation using examples from Australian fish parasites. <i>Methods in Ecology and Evolution</i> , <b>2021</b> , 12, 1999	7.7	0
93	Global gene flow releases invasive plants from environmental constraints on genetic diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 4218-4227	11.5	43
92	Skin hydrophobicity as an adaptation for self-cleaning in geckos. <i>Ecology and Evolution</i> , <b>2020</b> , 10, 4640-4651	11.5	5
91	Longevity, body dimension and reproductive mode drive differences in aquatic versus terrestrial life-history strategies. <i>Functional Ecology</i> , <b>2020</b> , 34, 1613-1625	5.6	10
90	Inclusive science: ditch insensitive terminology. <i>Nature</i> , <b>2020</b> , 580, 185	50.4	3
89	Skull shape of a widely distributed, endangered marsupial reveals little evidence of local adaptation between fragmented populations. <i>Ecology and Evolution</i> , <b>2020</b> , 10, 9707-9720	2.8	4
88	Higher sociability leads to lower reproductive success in female kangaroos. <i>Royal Society Open Science</i> , <b>2020</b> , 7, 200950	3.3	4
87	Beyond Brownian Motion and the Ornstein-Uhlenbeck Process: Stochastic Diffusion Models for the Evolution of Quantitative Characters. <i>American Naturalist</i> , <b>2020</b> , 195, 145-165	3.7	21
86	Parasites of coral reef fish larvae: its role in the pelagic larval stage. <i>Coral Reefs</i> , <b>2019</b> , 38, 199-214	4.2	2
85	Ecological associations among epidermal microstructure and scale characteristics of Australian geckos (Squamata: Carphodactylidae and Diplodactylidae). <i>Journal of Anatomy</i> , <b>2019</b> , 234, 853-874	2.9	7
84	Changes in local free-living parasite populations in response to cleaner manipulation over 12 years. <i>Oecologia</i> , <b>2019</b> , 190, 783-797	2.9	15
83	Manganese accumulates in the brain of northern quolls ( <i>Dasyurus hallucatus</i> ) living near an active mine. <i>Environmental Pollution</i> , <b>2018</b> , 233, 377-386	9.3	9
82	Transcending data gaps: a framework to reduce inferential errors in ecological analyses. <i>Ecology Letters</i> , <b>2018</b> , 21, 1200-1210	10	12
81	Size-related mortality due to gnathiid isopod micropredation correlates with settlement size in coral reef fishes. <i>Coral Reefs</i> , <b>2017</b> , 36, 549-559	4.2	20
80	Understanding repeatability and plasticity in multiple dimensions of the sociability of wild female kangaroos. <i>Animal Behaviour</i> , <b>2017</b> , 126, 3-16	2.8	4
79	Genus-wide variation in foliar polyphenolics in eucalypts. <i>Phytochemistry</i> , <b>2017</b> , 144, 197-207	4	16

78	Factors driving the variability in diving and movement behavior of migrating humpback whales ( <i>Megaptera novaeangliae</i> ): Implications for anthropogenic disturbance studies. <i>Marine Mammal Science</i> , <b>2017</b> , 33, 413-439	1.9	18
77	Extinct or still out there? Disentangling influences on extinction and rediscovery helps to clarify the fate of species on the edge. <i>Global Change Biology</i> , <b>2017</b> , 23, 621-634	11.4	14
76	Evidence for the functions of surface-active behaviors in humpback whales ( <i>Megaptera novaeangliae</i> ). <i>Marine Mammal Science</i> , <b>2017</b> , 33, 313-334	1.9	17
75	Mule deer spatial association patterns and potential implications for transmission of an epizootic disease. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175385	3.7	7
74	Fast-slow continuum and reproductive strategies structure plant life-history variation worldwide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 230-5	11.5	167
73	Factors Affecting the Reliability and Validity of Behavioural Datasets: Assessing the Impact of Observers [Experience and Native Language on Studies of Wild Animals. <i>Aquatic Mammals</i> , <b>2016</b> , 42, 1-11	3.1	5
72	Population dynamics of feral horses ( <i>Equus caballus</i> ) in an exotic coniferous plantation in Australia. <i>Wildlife Research</i> , <b>2016</b> , 43, 358	1.8	4
71	Estimating distribution and abundance of feral horses ( <i>Equus caballus</i> ) in a coniferous plantation in Australia, using line-transect surveys of dung. <i>Wildlife Research</i> , <b>2016</b> , 43, 604	1.8	2
70	Shy female kangaroos seek safety in numbers and have fewer preferred friendships. <i>Behavioral Ecology</i> , <b>2015</b> , 26, 639-646	2.3	18
69	Response to commentary by Woinarski (Critical-weight-range marsupials in northern Australia are declining: a commentary on Fisher et al. (2014) [The current decline of tropical marsupials in Australia: is history repeating?]. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 123-125	6.1	2
68	Dengue virus infection alters post-transcriptional modification of microRNAs in the mosquito vector <i>Aedes aegypti</i> . <i>Scientific Reports</i> , <b>2015</b> , 5, 15968	4.9	24
67	Population Genetic Diversity in the Australian 'Seascape': A Bioregion Approach. <i>PLoS ONE</i> , <b>2015</b> , 10, e0136275	3.7	12
66	The evolution of relative brain size in marsupials is energetically constrained but not driven by behavioral complexity. <i>Brain, Behavior and Evolution</i> , <b>2015</b> , 85, 125-35	1.5	24
65	Correlates of Recent Declines of Rodents in Northern and Southern Australia: Habitat Structure Is Critical. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130626	3.7	25
64	Maternal effects and warning signal honesty in eggs and offspring of an aposematic ladybird beetle. <i>Functional Ecology</i> , <b>2014</b> , 28, 1187-1196	5.6	27
63	A Primer on Phylogenetic Generalised Least Squares <b>2014</b> , 105-130		179
62	Cleaning up the biogeography of <i>Labroides dimidiatus</i> using phylogenetics and morphometrics. <i>Coral Reefs</i> , <b>2014</b> , 33, 223-233	4.2	11
61	Dispersal capacity predicts both population genetic structure and species richness in reef fishes. <i>American Naturalist</i> , <b>2014</b> , 184, 52-64	3.7	52

60	Within-population differences in personality and plasticity in the trade-off between vigilance and foraging in kangaroos. <i>Animal Behaviour</i> , <b>2014</b> , 92, 175-184	2.8	24
59	The current decline of tropical marsupials in Australia: is history repeating?. <i>Global Ecology and Biogeography</i> , <b>2014</b> , 23, 181-190	6.1	97
58	Conspicuous visual signals do not coevolve with increased body size in marine sea slugs. <i>Journal of Evolutionary Biology</i> , <b>2014</b> , 27, 676-87	2.3	20
57	Sperm competition drives the evolution of suicidal reproduction in mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 17910-4	11.5	66
56	Phylogenetic correlates of extinction risk in mammals: species in older lineages are not at greater risk. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2013</b> , 280, 20131092	4.4	58
55	Assessing the vulnerability of an assemblage of subtropical rainforest vertebrate species to climate change in south-east Queensland. <i>Austral Ecology</i> , <b>2013</b> , 38, 465-475	1.5	12
54	Detrimental influence on performance of high temperature incubation in a tropical reptile: is cooler better in the tropics?. <i>Oecologia</i> , <b>2013</b> , 171, 83-91	2.9	10
53	Individual variation in vigilance in female eastern grey kangaroos. <i>Australian Journal of Zoology</i> , <b>2013</b> , 61, 312	0.5	7
52	Individual traits influence vigilance in wild female eastern grey kangaroos. <i>Australian Journal of Zoology</i> , <b>2013</b> , 61, 332	0.5	19
51	Independent contrasts and PGLS regression estimators are equivalent. <i>Systematic Biology</i> , <b>2012</b> , 61, 382-91	9.1	70
50	Differential expression of neuropeptides correlates with growth rate in cultivated <i>Haliothis asinina</i> (Vetigastropoda: Mollusca). <i>Aquaculture</i> , <b>2012</b> , 334-337, 159-168	4.4	7
49	A novel approach for global mammal extinction risk reduction. <i>Conservation Letters</i> , <b>2012</b> , 5, 134-141	6.9	23
48	The effects of parasites on the early life stages of a damselfish. <i>Coral Reefs</i> , <b>2012</b> , 31, 1065-1075	4.2	15
47	Bayesian models for comparative analysis integrating phylogenetic uncertainty. <i>BMC Evolutionary Biology</i> , <b>2012</b> , 12, 102	3	68
46	Inferring extinction of mammals from sighting records, threats, and biological traits. <i>Conservation Biology</i> , <b>2012</b> , 26, 57-67	6	14
45	Quantum-like non-separability of concept combinations, emergent associates and abduction. <i>Logic Journal of the IGPL</i> , <b>2012</b> , 20, 445-457	1	25
44	Correlates of rediscovery and the detectability of extinction in mammals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2011</b> , 278, 1090-7	4.4	54
43	Costs of reproduction and terminal investment by females in a semelparous marsupial. <i>PLoS ONE</i> , <b>2011</b> , 6, e15226	3.7	34

42	Long-term effects of the cleaner fish <i>Labroides dimidiatus</i> on coral reef fish communities. <i>PLoS ONE</i> , <b>2011</b> , 6, e21201	3.7	88
41	Empirical tests of life-history evolution theory using phylogenetic analysis of plant demography. <i>Journal of Ecology</i> , <b>2010</b> , 98, 334-344	6	47
40	Causes and consequences of variation in plant population growth rate: a synthesis of matrix population models in a phylogenetic context. <i>Ecology Letters</i> , <b>2010</b> , 13, 1182-97	10	145
39	Nitrogen and phosphorus additions negatively affect tree species diversity in tropical forest regrowth trajectories. <i>Ecology</i> , <b>2010</b> , 91, 2121-31	4.6	50
38	Picante: R tools for integrating phylogenies and ecology. <i>Bioinformatics</i> , <b>2010</b> , 26, 1463-4	7.2	3021
37	How unpredictable is the individual scanning process in socially foraging mammals?. <i>Behavioral Ecology and Sociobiology</i> , <b>2010</b> , 64, 443-454	2.5	20
36	Homosexual behaviour in birds: frequency of expression is related to parental care disparity between the sexes. <i>Animal Behaviour</i> , <b>2010</b> , 80, 375-390	2.8	36
35	The effect of social facilitation on vigilance in the eastern gray kangaroo, <i>Macropus giganteus</i> . <i>Behavioral Ecology</i> , <b>2009</b> , 20, 469-477	2.3	34
34	Strategic (adaptive) hypothermia in bull dromedary camels during rut; could it increase reproductive success?. <i>Biology Letters</i> , <b>2009</b> , 5, 853-6	3.6	22
33	Blue and yellow signal cleaning behavior in coral reef fishes. <i>Current Biology</i> , <b>2009</b> , 19, 1283-7	6.3	59
32	Toe-bud clipping of juvenile small marsupials for ecological field research: No detectable negative effects on growth or survival. <i>Austral Ecology</i> , <b>2009</b> , 34, 858-865	1.5	11
31	Does Testis Size in Cuckoos Vary with Paternal Care?. <i>Auk</i> , <b>2009</b> , 126, 24-30	2.1	2
30	Interaction between plate make and protein in protein crystallisation screening. <i>PLoS ONE</i> , <b>2009</b> , 4, e78517	3.1	2
29	Chemical mediation of reciprocal mother-offspring recognition in the Southern Water Skink ( <i>Eulamprus heatwolei</i> ). <i>Austral Ecology</i> , <b>2008</b> , 33, 20-28	1.5	16
28	Morphometric and ultrastructural comparison of the olfactory system in elasmobranchs: the significance of structure-function relationships based on phylogeny and ecology. <i>Journal of Morphology</i> , <b>2008</b> , 269, 1365-86	1.6	84
27	Litter Decomposition in Temperate Peatland Ecosystems: The Effect of Substrate and Site. <i>Ecosystems</i> , <b>2007</b> , 10, 949-963	3.9	131
26	Functional Richness and Relative Resilience of Bird Communities in Regions with Different Land Use Intensities. <i>Ecosystems</i> , <b>2007</b> , 10, 964-974	3.9	75
25	Same-sex sexual behavior in birds: expression is related to social mating system and state of development at hatching. <i>Behavioral Ecology</i> , <b>2007</b> , 18, 21-33	2.3	34

24	Accumulation and partitioning of heavy metals in mangroves: a synthesis of field-based studies. <i>Chemosphere</i> , <b>2007</b> , 69, 1454-64	8.4	191
23	Ultraviolet signals ultra-aggression in a lizard. <i>Animal Behaviour</i> , <b>2006</b> , 72, 353-363	2.8	136
22	Post-mating sexual selection increases lifetime fitness of polyandrous females in the wild. <i>Nature</i> , <b>2006</b> , 444, 89-92	50.4	159
21	Testing for phylogenetic signal in comparative data: behavioral traits are more labile. <i>Evolution; International Journal of Organic Evolution</i> , <b>2003</b> , 57, 717-45	3.8	2956
20	Morphological shifts in island-dwelling birds: the roles of generalist foraging and niche expansion. <i>Evolution; International Journal of Organic Evolution</i> , <b>2003</b> , 57, 2147-56	3.8	72
19	Extrinsic versus intrinsic factors in the decline and extinction of Australian marsupials. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2003</b> , 270, 1801-8	4.4	176
18	MORPHOLOGICAL SHIFTS IN ISLAND-DWELLING BIRDS: THE ROLES OF GENERALIST FORAGING AND NICHE EXPANSION. <i>Evolution; International Journal of Organic Evolution</i> , <b>2003</b> , 57, 2147	3.8	4
17	TESTING FOR PHYLOGENETIC SIGNAL IN COMPARATIVE DATA: BEHAVIORAL TRAITS ARE MORE LABILE. <i>Evolution; International Journal of Organic Evolution</i> , <b>2003</b> , 57, 717	3.8	222
16	Thermal ecology and structural habitat use of two sympatric lizards ( <i>Carlia vivax</i> and <i>Lygisaurus foliorum</i> ) in subtropical Australia. <i>Austral Ecology</i> , <b>2002</b> , 27, 616-623	1.5	17
15	Tempo and mode in evolution: phylogenetic inertia, adaptation and comparative methods. <i>Journal of Evolutionary Biology</i> , <b>2002</b> , 15, 899-910	2.3	521
14	Convergent maternal care strategies in ungulates and macropods. <i>Evolution; International Journal of Organic Evolution</i> , <b>2002</b> , 56, 167-76	3.8	54
13	CONVERGENT MATERNAL CARE STRATEGIES IN UNGULATES AND MACROPODS. <i>Evolution; International Journal of Organic Evolution</i> , <b>2002</b> , 56, 167	3.8	
12	Effect of a control burn on lizards and their structural environment in a eucalypt open-forest. <i>Wildlife Research</i> , <b>2002</b> , 29, 447	1.8	17
11	Modelling life history strategies with capture-recapture data: Evolutionary demography of the water skink <i>Eulamprus tympanum</i> . <i>Austral Ecology</i> , <b>2001</b> , 26, 349-359	1.5	11
10	Natural selection and quantitative genetics of life-history traits in Western women: a twin study. <i>Evolution; International Journal of Organic Evolution</i> , <b>2001</b> , 55, 423-35	3.8	186
9	NATURAL SELECTION AND QUANTITATIVE GENETICS OF LIFE-HISTORY TRAITS IN WESTERN WOMEN: A TWIN STUDY. <i>Evolution; International Journal of Organic Evolution</i> , <b>2001</b> , 55, 423	3.8	13
8	Mechanisms of drought-induced population decline in an endangered wallaby. <i>Biological Conservation</i> , <b>2001</b> , 102, 107-115	6.2	22
7	Size-based predation by kookaburras ( <i>Dacelo novaeguineae</i> ) on lizards ( <i>Eulamprus tympanum</i> : Scincidae): what determines prey vulnerability?. <i>Behavioral Ecology and Sociobiology</i> , <b>2000</b> , 48, 484-489	2.5	37

6	Fels-Rand: an Xlisp-Stat program for the comparative analysis of data under phylogenetic uncertainty. <i>Bioinformatics</i> , <b>2000</b> , 16, 1010-3	7.2	4
5	POPULATION DYNAMICS AND SURVIVAL OF AN ENDANGERED WALLABY: A COMPARISON OF FOUR METHODS <b>2000</b> , 10, 901-910		45
4	Non-bicarbonate intracellular pH buffering of reptilian muscle. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>1991</b> , 161, 101-107	2.2	10
3	The high intracellular pH buffering of hagfish ( <i>Eptatretus cirrhatus</i> ) dental plate retractor muscle cannot be attributed to the known histidine-related compounds present in other vertebrates. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , <b>1991</b> , 100, 731-734		
2	Modelling life history strategies with capture-recapture data: Evolutionary demography of the water skink <i>Eulamprus tympanum</i> . <i>Austral Ecology</i> , <b>26</b> , 349-359	1.5	
1	Beyond Brownian motion and the Ornstein-Uhlenbeck process: Stochastic diffusion models for the evolution of quantitative characters		3