

# Simon P Blomberg

## List of Publications by Year in descending order

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96  
papers

13,706  
citations

117625  
34  
h-index

43889  
91  
g-index

102  
all docs

102  
docs citations

102  
times ranked

17477  
citing authors

#	ARTICLE	IF	CITATIONS
1	Picante: R tools for integrating phylogenies and ecology. <i>Bioinformatics</i> , 2010, 26, 1463-1464.	4.1	4,517
2	TESTING FOR PHYLOGENETIC SIGNAL IN COMPARATIVE DATA: BEHAVIORAL TRAITS ARE MORE LABILE. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 717-745.	2.3	3,594
3	Tempo and mode in evolution: phylogenetic inertia, adaptation and comparative methods. <i>Journal of Evolutionary Biology</i> , 2002, 15, 899-910.	1.7	635
4	TESTING FOR PHYLOGENETIC SIGNAL IN COMPARATIVE DATA: BEHAVIORAL TRAITS ARE MORE LABILE. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 717.	2.3	385
5	A Primer on Phylogenetic Generalised Least Squares. , 2014, , 105-130.		300
6	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> , 2016, 113, 230-235.	7.1	290
7	Accumulation and partitioning of heavy metals in mangroves: A synthesis of field-based studies. <i>Chemosphere</i> , 2007, 69, 1454-1464.	8.2	239
8	Extrinsic versus intrinsic factors in the decline and extinction of Australian marsupials. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1801-1808.	2.6	208
9	NATURAL SELECTION AND QUANTITATIVE GENETICS OF LIFE-HISTORY TRAITS IN WESTERN WOMEN: A TWIN STUDY. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 423-435.	2.3	201
10	Post-mating sexual selection increases lifetime fitness of polyandrous females in the wild. <i>Nature</i> , 2006, 444, 89-92.	27.8	187
11	Causes and consequences of variation in plant population growth rate: a synthesis of matrix population models in a phylogenetic context. <i>Ecology Letters</i> , 2010, 13, 1182-1197.	6.4	161
12	Litter Decomposition in Temperate Peatland Ecosystems: The Effect of Substrate and Site. <i>Ecosystems</i> , 2007, 10, 949-963.	3.4	160
13	Ultraviolet signals ultra-aggression in a lizard. <i>Animal Behaviour</i> , 2006, 72, 353-363.	1.9	154
14	The current decline of tropical marsupials in <sc>A</sc>ustralia: is history repeating?. <i>Global Ecology and Biogeography</i> , 2014, 23, 181-190.	5.8	122
15	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> , 2013, 110, 17910-17914.	7.1	112
16	Long-Term Effects of the Cleaner Fish <i>Labroides dimidiatus</i> on Coral Reef Fish Communities. <i>PLoS ONE</i> , 2011, 6, e21201.	2.5	111
17	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> , 2008, 269, 1365-1386.	1.2	108
18	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> , 2020, 117, 4218-4227.	7.1	108

#	ARTICLE	IF	CITATIONS
19	Independent Contrasts and PGLS Regression Estimators Are Equivalent. <i>Systematic Biology</i> , 2012, 61, 382-391.	5.6	103
20	Functional Richness and Relative Resilience of Bird Communities in Regions with Different Land Use Intensities. <i>Ecosystems</i> , 2007, 10, 964-974.	3.4	94
21	Bayesian models for comparative analysis integrating phylogenetic uncertainty. <i>BMC Evolutionary Biology</i> , 2012, 12, 102.	3.2	87
22	MORPHOLOGICAL SHIFTS IN ISLAND-DWELLING BIRDS: THE ROLES OF GENERALIST FORAGING AND NICHE EXPANSION. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 2147-2156.	2.3	80
23	Blue and Yellow Signal Cleaning Behavior in Coral Reef Fishes. <i>Current Biology</i> , 2009, 19, 1283-1287.	3.9	72
24	Dispersal Capacity Predicts Both Population Genetic Structure and Species Richness in Reef Fishes. <i>American Naturalist</i> , 2014, 184, 52-64.	2.1	70
25	Correlates of rediscovery and the detectability of extinction in mammals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 1090-1097.	2.6	68
26	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> , 2013, 280, 20131092.	2.6	66
27	Nitrogen and phosphorus additions negatively affect tree species diversity in tropical forest regrowth trajectories. <i>Ecology</i> , 2010, 91, 2121-2131.	3.2	63
28	CONVERGENT MATERNAL CARE STRATEGIES IN UNGULATES AND MACROPODS. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 167-176.	2.3	60
29	Empirical tests of life-history evolution theory using phylogenetic analysis of plant demography. <i>Journal of Ecology</i> , 2010, 98, 334-344.	4.0	56
30	POPULATION DYNAMICS AND SURVIVAL OF AN ENDANGERED WALLABY: A COMPARISON OF FOUR METHODS. , 2000, 10, 901-910.		55
31	Homosexual behaviour in birds: frequency of expression is related to parental care disparity between the sexes. <i>Animal Behaviour</i> , 2010, 80, 375-390.	1.9	53
32	Same-sex sexual behavior in birds: expression is related to social mating system and state of development at hatching. <i>Behavioral Ecology</i> , 2007, 18, 21-33.	2.2	49
33	Costs of Reproduction and Terminal Investment by Females in a Semelparous Marsupial. <i>PLoS ONE</i> , 2011, 6, e15226.	2.5	46
34	Size-based predation by kookaburras ( <i>Dacelo novaeguineae</i> ) on lizards ( <i>Eulamprus tympanum</i> : ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 484-489.	1.4	45
35	The effect of social facilitation on vigilance in the eastern gray kangaroo, <i>Macropus giganteus</i> . <i>Behavioral Ecology</i> , 2009, 20, 469-477.	2.2	45
36	Beyond Brownian Motion and the Ornstein-Uhlenbeck Process: Stochastic Diffusion Models for the Evolution of Quantitative Characters. <i>American Naturalist</i> , 2020, 195, 145-165.	2.1	39

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37	Longevity, body dimension and reproductive mode drive differences in aquatic versus terrestrial life-history strategies. <i>Functional Ecology</i> , 2020, 34, 1613-1625.	3.6	38
38	A novel approach for global mammal extinction risk reduction. <i>Conservation Letters</i> , 2012, 5, 134-141.	5.7	37
39	The Evolution of Relative Brain Size in Marsupials Is Energetically Constrained but Not Driven by Behavioral Complexity. <i>Brain, Behavior and Evolution</i> , 2015, 85, 125-135.	1.7	36
40	Maternal effects and warning signal honesty in eggs and offspring of an aposematic ladybird beetle. <i>Functional Ecology</i> , 2014, 28, 1187-1196.	3.6	34
41	Conspicuous visual signals do not coevolve with increased body size in marine sea slugs. <i>Journal of Evolutionary Biology</i> , 2014, 27, 676-687.	1.7	32
42	Dengue virus infection alters post-transcriptional modification of microRNAs in the mosquito vector <i>Aedes aegypti</i> . <i>Scientific Reports</i> , 2015, 5, 15968.	3.3	31
43	Transcending data gaps: a framework to reduce inferential errors in ecological analyses. <i>Ecology Letters</i> , 2018, 21, 1200-1210.	6.4	29
44	Correlates of Recent Declines of Rodents in Northern and Southern Australia: Habitat Structure Is Critical. <i>PLoS ONE</i> , 2015, 10, e0130626.	2.5	29
45	Within-population differences in personality and plasticity in the trade-off between vigilance and foraging in kangaroos. <i>Animal Behaviour</i> , 2014, 92, 175-184.	1.9	27
46	Shy female kangaroos seek safety in numbers and have fewer preferred friendships. <i>Behavioral Ecology</i> , 2015, 26, 639-646.	2.2	27
47	Strategic (adaptive) hypothermia in bull dromedary camels during rut; could it increase reproductive success?. <i>Biology Letters</i> , 2009, 5, 853-856.	2.3	26
48	Quantum-like non-separability of concept combinations, emergent associates and abduction. <i>Logic Journal of the IGPL</i> , 2012, 20, 445-457.	1.5	25
49	Mechanisms of drought-induced population decline in an endangered wallaby. <i>Biological Conservation</i> , 2001, 102, 107-115.	4.1	24
50	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> , 2017, 23, 621-634.	9.5	23
51	Evidence for the functions of surface-active behaviors in humpback whales ( <i>Megaptera</i> ). <i>Journal of Experimental Biology</i> , 2018, 231, 1-10.	1.8	23
52	How unpredictable is the individual scanning process in socially foraging mammals?. <i>Behavioral Ecology and Sociobiology</i> , 2010, 64, 443-454.	1.4	22
53	Individual traits influence vigilance in wild female eastern grey kangaroos. <i>Australian Journal of Zoology</i> , 2013, 61, 332.	1.0	22
54	Genus-wide variation in foliar polyphenolics in eucalypts. <i>Phytochemistry</i> , 2017, 144, 197-207.	2.9	22

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55	Size-related mortality due to gnathiid isopod micropredation correlates with settlement size in coral reef fishes. <i>Coral Reefs</i> , 2017, 36, 549-559.	2.2	21
56	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> , 2017, 33, 413-439.	1.8	21
57	Changes in local free-living parasite populations in response to cleaner manipulation over 12 years. <i>Oecologia</i> , 2019, 190, 783-797.	2.0	21
58	Thermal ecology and structural habitat use of two sympatric lizards ( <i>Carlia vivax</i> and <i>Lygisaurus</i> ). <i>Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6</i>	1.5	20
59	Effect of a control burn on lizards and their structural environment in a eucalypt open-forest. <i>Wildlife Research</i> , 2002, 29, 447.	1.4	19
60	Chemical mediation of reciprocal mother-offspring recognition in the Southern Water Skink ( <i>Eulamprus heatwolei</i> ). <i>Austral Ecology</i> , 2008, 33, 20-28.	1.5	17
61	The effects of parasites on the early life stages of a damselfish. <i>Coral Reefs</i> , 2012, 31, 1065-1075.	2.2	17
62	Inferring Extinction of Mammals from Sighting Records, Threats, and Biological Traits. <i>Conservation Biology</i> , 2012, 26, 57-67.	4.7	17
63	Assessing the vulnerability of an assemblage of subtropical rainforest vertebrate species to climate change in south-east Queensland. <i>Austral Ecology</i> , 2013, 38, 465-475.	1.5	15
64	Ecological associations among epidermal microstructure and scale characteristics of Australian geckos (Squamata: Carphodactylidae and Diplodactylidae). <i>Journal of Anatomy</i> , 2019, 234, 853-874.	1.5	15
65	NATURAL SELECTION AND QUANTITATIVE GENETICS OF LIFE-HISTORY TRAITS IN WESTERN WOMEN: A TWIN STUDY. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 423.	2.3	14
66	Population Genetic Diversity in the Australian "Seascape": A Bioregion Approach. <i>PLoS ONE</i> , 2015, 10, e0136275.	2.5	14
67	Modelling life history strategies with capture-recapture data: Evolutionary demography of the water skink <i>Eulamprus tympanum</i> . <i>Austral Ecology</i> , 2001, 26, 349-359.	1.5	13
68	Toe-clipping of juvenile small marsupials for ecological field research: No detectable negative effects on growth or survival. <i>Austral Ecology</i> , 2009, 34, 858-865.	1.5	13
69	Skull shape of a widely distributed, endangered marsupial reveals little evidence of local adaptation between fragmented populations. <i>Ecology and Evolution</i> , 2020, 10, 9707-9720.	1.9	13
70	Detrimental influence on performance of high temperature incubation in a tropical reptile: is cooler better in the tropics?. <i>Oecologia</i> , 2013, 171, 83-91.	2.0	12
71	Manganese accumulates in the brain of northern quolls ( <i>Dasyurus hallucatus</i> ) living near an active mine. <i>Environmental Pollution</i> , 2018, 233, 377-386.	7.5	12
72	Higher sociability leads to lower reproductive success in female kangaroos. <i>Royal Society Open Science</i> , 2020, 7, 200950.	2.4	12

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73	Skin hydrophobicity as an adaptation for self-cleaning in geckos. <i>Ecology and Evolution</i> , 2020, 10, 4640-4651.	1.9	12
74	Non-bicarbonate intracellular pH buffering of reptilian muscle. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1991, 161, 101-107.	1.5	11
75	Differential expression of neuropeptides correlates with growth rate in cultivated <i>Haliotis asinina</i> (Vetigastropoda: Mollusca). <i>Aquaculture</i> , 2012, 334-337, 159-168.	3.5	11
76	Cleaning up the biogeography of <i>Labroides dimidiatus</i> using phylogenetics and morphometrics. <i>Coral Reefs</i> , 2014, 33, 223-233.	2.2	11
77	Inclusive science: ditch insensitive terminology. <i>Nature</i> , 2020, 580, 185-185.	27.8	11
78	Mule deer spatial association patterns and potential implications for transmission of an epizootic disease. <i>PLoS ONE</i> , 2017, 12, e0175385.	2.5	11
79	Using 3D geometric morphometrics to aid taxonomic and ecological understanding of a recent speciation event within a small Australian marsupial ( <i>Antechinus</i> : Dasyuridae). <i>Zoological Journal of the Linnean Society</i> , 2022, 196, 963-978.	2.3	10
80	Individual variation in vigilance in female eastern grey kangaroos. <i>Australian Journal of Zoology</i> , 2013, 61, 312.	1.0	9
81	Population dynamics of feral horses ( <i>Equus caballus</i> ) in an exotic coniferous plantation in Australia. <i>Wildlife Research</i> , 2016, 43, 358.	1.4	9
82	Understanding repeatability and plasticity in multiple dimensions of the sociability of wild female kangaroos. <i>Animal Behaviour</i> , 2017, 126, 3-16.	1.9	9
83	MORPHOLOGICAL SHIFTS IN ISLAND-DWELLING BIRDS: THE ROLES OF GENERALIST FORAGING AND NICHE EXPANSION. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 2147.	2.3	8
84	CONVERGENT MATERNAL CARE STRATEGIES IN UNGULATES AND MACROPODS. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 167.	2.3	7
85	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> , 2021, 288, 20210394.	2.6	6
86	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> , 2016, 42, 1-11.	0.7	6
87	Fels-Rand: an Xlisp-Stat program for the comparative analysis of data under phylogenetic uncertainty. <i>Bioinformatics</i> , 2000, 16, 1010-1013.	4.1	5
88	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> , 2016, 43, 604.	1.4	4
89	Does Testis Size in Cuckoos Vary with Paternal Care?. <i>Auk</i> , 2009, 126, 24-30.	1.4	3
90	Parasites of coral reef fish larvae: its role in the pelagic larval stage. <i>Coral Reefs</i> , 2019, 38, 199-214.	2.2	3

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91	Response to commentary by Woinarski (Critical-weight-range marsupials in northern Australia are) Tj ETQq1 1 0.784314 rgBT /Overlook	5.8	2
92	Three methods to measure parasite aggregation using examples from Australian fish parasites. Methods in Ecology and Evolution, 2021, 12, 1999-2007.	5.2	2
93	Interaction between Plate Make and Protein in Protein Crystallisation Screening. PLoS ONE, 2009, 4, e7851.	2.5	2
94	The high intracellular ph buffering of hagfish (Eptatretus cirrhatus) dental plate retractor muscle cannot be attributed to the known histidine-related compounds present in other vertebrates. Comparative Biochemistry and Physiology A, Comparative Physiology, 1991, 100, 731-734.	0.6	0
95	Range extension and genetic structure of the narrowly-restricted slider skink, Lerista rochfordensis Amey and Couper, 2009 (Reptilia: Scincidae). Memoirs of the Queensland Museum, 2020, 61, 29-41.	0.1	0
96	Modelling life history strategies with capture-recapture data: Evolutionary demography of the water skink Eulamprus tympanum. Austral Ecology, 0, 26, 349-359.	1.5	0