

William B B Sherwin

List of Publications by Year in descending order

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96
papers

6,172
citations

109137

35
h-index

102304

66
g-index

103
all docs

103
docs citations

103
times ranked

6312
citing authors

#	ARTICLE	IF	CITATIONS
1	Distortion of allele frequency distributions provides a test for recent population bottlenecks. , 1998, 89, 238-247.		1,324
2	Cultural transmission of tool use in bottlenose dolphins. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8939-8943.	3.3	437
3	Usefulness of molecular markers for detecting population bottlenecks via monitoring genetic change. Molecular Ecology, 1998, 7, 963-974.	2.0	427
4	Genetic variation of microsatellite loci in a bottlenecked species: the northern hairy-nosed wombat <i>Lasiorninus krefftii</i> . Molecular Ecology, 1994, 3, 277-290.	2.0	357
5	A BIOPSY SYSTEM FOR SMALL CETACEANS: DARTING SUCCESS AND WOUND HEALING IN TURSIOPS SPP.. Marine Mammal Science, 2002, 18, 863-878.	0.9	228
6	Social and genetic interactions drive fitness variation in a free-living dolphin population. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19949-19954.	3.3	194
7	POPULATION STRUCTURE IN AN INSHORE CETACEAN REVEALED BY MICROSATELLITE AND mtDNA ANALYSIS: BOTTLENOSE DOLPHINS (<i>TURSIOPS</i> SP.) IN SHARK BAY, WESTERN AUSTRALIA. Marine Mammal Science, 2004, 20, 28-47.	0.9	122
8	Invasive species can't cover their tracks: using microsatellites to assist management of starling (<i>Sturnus vulgaris</i>) populations in Western Australia. Molecular Ecology, 2009, 18, 1560-1573.	2.0	120
9	Contrasting relatedness patterns in bottlenose dolphins (<i>Tursiops</i> spp.) with different alliance strategies. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 497-502.	1.2	116
10	Who's father: where art thou? Paternity assessment in an open fission-fusion society of wild bottlenose dolphins (<i>Tursiops</i> sp.) in Shark Bay, Western Australia. Molecular Ecology, 2004, 13, 1975-1990.	2.0	115
11	Measurement of biological information with applications from genes to landscapes. Molecular Ecology, 2006, 15, 2857-2869.	2.0	111
12	Home range overlap, matrilineal and biparental kinship drive female associations in bottlenose dolphins. Animal Behaviour, 2010, 80, 481-486.	0.8	106
13	Characterization of microsatellite loci in <i>Tursiops aduncus</i> . Molecular Ecology Notes, 2001, 1, 170-172.	1.7	93
14	Detecting bottlenecks using BOTTLENECK 1.2.02 in wild populations: the importance of the microsatellite structure. Conservation Genetics, 2010, 11, 1043-1049.	0.8	87
15	The relative importance of reproduction and survival for the conservation of two dolphin populations. Ecology and Evolution, 2016, 6, 3496-3512.	0.8	86
16	Relatedness structure detected by microsatellite analysis and attempted pedigree reconstruction in an endangered marsupial, the northern hairy-nosed wombat <i>Lasiorninus krefftii</i> . Molecular Ecology, 1997, 6, 9-19.	2.0	83
17	Entropy and Information Approaches to Genetic Diversity and its Expression: Genomic Geography. Entropy, 2010, 12, 1765-1798.	1.1	81
18	An attribute diversity approach to functional diversity, functional beta diversity, and related (dis)similarity measures. Ecological Monographs, 2019, 89, e01343.	2.4	80

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19	Phylogeographical population structure of tiger quolls <i>Dasyurus maculatus</i> (Dasyuridae:). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i>	2.0	71
20	Cultural transmission of tool use combined with habitat specializations leads to fine-scale genetic structure in bottlenose dolphins. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20133245.	1.2	70
21	Tropical plants do not have narrower temperature tolerances, but are more at risk from warming because they are close to their upper thermal limits. <i>Global Ecology and Biogeography</i> , 2020, 29, 1387-1398.	2.7	68
22	Dispersal limitations, rather than bottlenecks or habitat specificity, can restrict the distribution of rare and endemic rainforest trees. <i>American Journal of Botany</i> , 2008, 95, 321-329.	0.8	66
23	High genetic diversity is not essential for successful introduction. <i>Ecology and Evolution</i> , 2013, 3, 4501-4517.	0.8	66
24	The effects of inbreeding on mortality during a morbillivirus outbreak in the Mediterranean striped dolphin (<i>Stenella coeruleoalba</i>). <i>Animal Conservation</i> , 2004, 7, 139-146.	1.5	61
25	Information Theory Broadens the Spectrum of Molecular Ecology and Evolution. <i>Trends in Ecology and Evolution</i> , 2017, 32, 948-963.	4.2	61
26	Analysis and Conservation Implications of Koala Genetics. <i>Conservation Biology</i> , 2000, 14, 639-649.	2.4	60
27	A new level of complexity in the male alliance networks of Indian Ocean bottlenose dolphins () <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i>	1.0	60
28	Population genetic tools for pest management: a review. <i>Wildlife Research</i> , 2006, 33, 251.	0.7	59
29	Modelling mammalian extinction and forecasting recovery: koalas at Iluka (NSW, Australia). <i>Biological Conservation</i> , 2002, 106, 101-113.	1.9	57
30	Mitochondrial DNA offers unique insights into invasion history of the common starling. <i>Molecular Ecology</i> , 2011, 20, 2307-2317.	2.0	53
31	A novel mammalian social structure in Indo-Pacific bottlenose dolphins (<i>Tursiops</i> sp.): complex male alliances in an open social network. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3083-3090.	1.2	50
32	Inbreeding and testicular abnormalities in a bottlenecked population of koalas (<i>Phascolarctos</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	0.7	49
33	Managing and monitoring genetic erosion. , 2000, , 9-34.		47
34	Effects of founder events on the genetic variation of translocated island populations: implications for conservation management of the northern quoll. <i>Conservation Genetics</i> , 2009, 10, 1719-1733.	0.8	47
35	Affiliation history and age similarity predict alliance formation in adult male bottlenose dolphins. <i>Behavioral Ecology</i> , 2020, 31, 361-370.	1.0	45
36	Paternity Exclusion in Koalas Using Hypervariable Microsatellites. <i>Journal of Heredity</i> , 1996, 87, 149-152.	1.0	43

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37	The draft genome of the pest tephritid fruit fly <i>Bactrocera tryoni</i> : resources for the genomic analysis of hybridising species. <i>BMC Genomics</i> , 2014, 15, 1153.	1.2	41
38	Inbreeding tolerance and fitness costs in wild bottlenose dolphins. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 2667-2673.	1.2	40
39	Selection on Mitochondrial Variants Occurs between and within Individuals in an Expanding Invasion. <i>Molecular Biology and Evolution</i> , 2016, 33, 995-1007.	3.5	35
40	Applicability and limitations of sensitivity analyses for wildlife management. <i>Journal of Applied Ecology</i> , 2018, 55, 1430-1440.	1.9	35
41	Conservation genetics of the koala (<i>Phascolarctos cinereus</i>) II. Limited variability in minisatellite DNA sequences. <i>Biochemical Genetics</i> , 1991, 29, 355-363.	0.8	34
42	Evolution of MHC class I loci in marsupials: characterization of sequences from koala (<i>Phascolarctos cinereus</i>) [published erratum appears in <i>Mol Biol Evol</i> 1996 Dec;13(10):1407]. <i>Molecular Biology and Evolution</i> , 1996, 13, 1119-1127.	3.5	33
43	Expected Shannon Entropy and Shannon Differentiation between Subpopulations for Neutral Genes under the Finite Island Model. <i>PLoS ONE</i> , 2015, 10, e0125471.	1.1	32
44	Demographic Forecasting in Koala Conservation. <i>Conservation Biology</i> , 2000, 14, 629-638.	2.4	29
45	How Well Do Molecular and Pedigree Relatedness Correspond, in Populations with Diverse Mating Systems, and Various Types and Quantities of Molecular and Demographic Data?. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 1815-1826.	0.8	29
46	Conservation genetics of the koala (<i>Phascolarctos cinereus</i>): low mitochondrial DNA variation amongst southern Australian populations. <i>Genetical Research</i> , 1997, 69, 25-33.	0.3	28
47	The effects of a low-intensity fire on small mammals and lizards in a logged, burnt forest. <i>Wildlife Research</i> , 2003, 30, 477.	0.7	28
48	Extraordinary conservation of entire chromosomes in insects over long evolutionary periods. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 229-234.	1.1	28
49	The Introduction of Entropy and Information Methods to Ecology by Ramon Margalef. <i>Entropy</i> , 2019, 21, 794.	1.1	28
50	Genetic evidence for sex-specific migratory behaviour in western South Pacific humpback whales. <i>Marine Ecology - Progress Series</i> , 2010, 398, 275-286.	0.9	27
51	Measurement of Genetic Variation in Endangered Populations: Bandicoots (<i>Marsupialia: Peramelidae</i>) as an Example. <i>Conservation Biology</i> , 1991, 5, 103-108.	2.4	26
52	Testing single-sample estimators of effective population size in genetically structured populations. <i>Conservation Genetics</i> , 2014, 15, 23-35.	0.8	25
53	Signatures of selection in a recent invasion reveal adaptive divergence in a highly vagile invasive species. <i>Molecular Ecology</i> , 2021, 30, 1419-1434.	2.0	24
54	Australian endemic pest tephritids: genetic, molecular and microbial tools for improved Sterile Insect Technique. <i>BMC Genetics</i> , 2014, 15, S9.	2.7	23

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55	Pooling hair samples to increase DNA yield for PCR. <i>Conservation Genetics</i> , 2003, 4, 779-788.	0.8	22
56	Demography and genetics suggest reversal of dolphin source-sink dynamics, with implications for conservation. <i>Marine Mammal Science</i> , 2019, 35, 732-759.	0.9	21
57	Is MHC diversity a better marker for conservation than neutral genetic diversity? A case study of two contrasting dolphin populations. <i>Ecology and Evolution</i> , 2019, 9, 6986-6998.	0.8	20
58	Social integration influences fitness in allied male dolphins. <i>Current Biology</i> , 2022, 32, 1664-1669.e3.	1.8	20
59	Characterization of microsatellite loci in the endangered long-footed potoroo <i>Potorous longipes</i> . <i>Molecular Ecology</i> , 1997, 6, 497-498.	2.0	19
60	Rapid reshaping: the evolution of morphological changes in an introduced beach daisy. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20181713.	1.2	18
61	Cooperative partner choice in multi-level male dolphin alliances. <i>Scientific Reports</i> , 2021, 11, 6901.	1.6	18
62	VNTR loci reveal differentiation between and structure within populations of the eastern barred bandicoot <i>Perameles gunnii</i> . <i>Molecular Ecology</i> , 1993, 2, 195-207.	2.0	17
63	Title is missing!. <i>Conservation Genetics</i> , 2000, 1, 115-133.	0.8	16
64	Predictions of single-nucleotide polymorphism differentiation between two populations in terms of mutual information. <i>Molecular Ecology</i> , 2011, 20, 3156-3166.	2.0	15
65	Modelling the emergence and stability of a vertically transmitted cultural trait in bottlenose dolphins. <i>Animal Behaviour</i> , 2012, 84, 1347-1362.	0.8	15
66	Population and Conservation Genetics of Marsupials. <i>Australian Journal of Zoology</i> , 1989, 37, 161.	0.6	14
67	Reproductive bet-hedging in a rare yet widespread rainforest tree, <i>Syzygium paniculatum</i> (Myrtaceae). <i>Austral Ecology</i> , 2012, 37, 936-944.	0.7	14
68	Characterizing the socially transmitted foraging tactic 'sponging' by bottlenose dolphins (<i>Tursiops</i> sp.) in the western gulf of Shark Bay, Western Australia. <i>Marine Mammal Science</i> , 2014, 30, 847-863.	0.9	13
69	Tracking invasion and invasiveness in Queensland fruit flies: From classical genetics to 'omics'. <i>Environmental Epigenetics</i> , 2015, 61, 477-487.	0.9	13
70	Understanding the Spatial Scale of Genetic Connectivity at Sea: Unique Insights from a Land Fish and a Meta-Analysis. <i>PLoS ONE</i> , 2016, 11, e0150991.	1.1	12
71	De Novo Assembly of the Liver Transcriptome of the European Starling, <i>Sturnus vulgaris</i> . <i>Journal of Genomics</i> , 2017, 5, 54-57.	0.6	11
72	Historical museum samples enable the examination of divergent and parallel evolution during invasion. <i>Molecular Ecology</i> , 2022, 31, 1836-1852.	2.0	11

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73	Genetic monitoring reveals significant population structure in eastern quolls: implications for the conservation of a threatened carnivorous marsupial. <i>Australian Mammalogy</i> , 2014, 36, 169.	0.7	10
74	Is there evidence of selection in the dopamine receptor D4 gene in Australian invasive starling populations?. <i>Environmental Epigenetics</i> , 2015, 61, 505-519.	0.9	10
75	Genetic variation in captive koalas (<i>Phascolarctos cinereus</i>): parentage determination and individual identification. <i>Biochemical Genetics</i> , 1998, 36, 193-206.	0.8	9
76	Transcriptome and annotation-guided genome assembly of the European starling. <i>Molecular Ecology Resources</i> , 2022, 22, 3141-3160.	2.2	9
77	A note on the Status of the Eastern barred bandicoot, <i>Perameles gunni</i> , in Tasmania. <i>Wildlife Research</i> , 1991, 18, 451.	0.7	8
78	Rapid evolution of leaf physiology in an introduced beach daisy. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191103.	1.2	8
79	A stochastic model for estimating sustainable limits to wildlife mortality in a changing world. <i>Conservation Biology</i> , 2022, 36, .	2.4	8
80	Augmenting mark-recapture with beach counts to estimate the abundance of little penguins on Penguin Island, Western Australia. <i>Wildlife Research</i> , 2011, 38, 491.	0.7	7
81	Genes are information, so information theory is coming to the aid of evolutionary biology. <i>Molecular Ecology Resources</i> , 2015, 15, 1259-1261.	2.2	7
82	Evolution of defense and herbivory in introduced plants—Testing enemy release using a known source population, herbivore trials, and time since introduction. <i>Ecology and Evolution</i> , 2020, 10, 5451-5463.	0.8	7
83	Paternity and male mating strategies of a ground squirrel (<i>Ictidomys parvidens</i>) with an extended mating season. <i>Journal of Mammalogy</i> , 2016, 97, 576-588.	0.6	6
84	Induced dispersal in wildlife management: experimental evaluation of the risk of hybrid breakdown and the benefit of hybrid vigor in the F1 generation. <i>Conservation Genetics</i> , 2011, 12, 31-40.	0.8	5
85	Genetics and Plasticity Are Responsible for Ecogeographical Patterns in a Recent Invasion. <i>Frontiers in Genetics</i> , 2022, 13, 824424.	1.1	5
86	Evidence of Subdivisions on Evolutionary Timescales in a Large, Declining Marsupial Distributed across a Phylogeographic Barrier. <i>PLoS ONE</i> , 2016, 11, e0162789.	1.1	4
87	Why does the complexity of functionally equivalent signals vary across closely related species?. <i>Behavioral Ecology</i> , 2022, 33, 926-936.	1.0	4
88	Posttranslational modification of α 1-antitrypsin (protease inhibitor) and alkaline phosphatase in the marsupial, <i>Perameles gunnii</i> . <i>Biochemical Genetics</i> , 1990, 28, 111-115.	0.8	3
89	Limited cross-species microsatellite amplification and the isolation and characterization of new microsatellite markers for the greater stick-nest rat (<i>Leporillus conditor</i>). <i>Molecular Ecology Notes</i> , 2006, 6, 882-885.	1.7	3
90	A tool for tracking genetic contributions of wild <i>Panaeus</i> (<i>Melicertus</i>) <i>plebejus</i> broodstock to hatchery populations. <i>Animal Genetics</i> , 2014, 45, 888-892.	0.6	3

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91	Corrigendum to: Inbreeding and testicular abnormalities in a bottlenecked population of koalas (<i>Phascolarctos cinereus</i>). <i>Wildlife Research</i> , 2012, 39, 374.	0.7	2
92	Collecting mammalian tissue and data for genetic studies. <i>Mammal Review</i> , 1991, 21, 21-30.	2.2	1
93	Nature and nurture. <i>Communicative and Integrative Biology</i> , 2011, 4, 192-193.	0.6	1
94	Simulated Disperser Analysis: determining the number of loci required to genetically identify dispersers. <i>PeerJ</i> , 2018, 6, e4573.	0.9	1
95	Novel polymorphic microsatellite loci for the eastern king prawn, <i>Penaeus (Melicertus) plebejus</i> . <i>Conservation Genetics Resources</i> , 2013, 5, 1125-1128.	0.4	0
96	Detecting steps in spatial genetic data: Which diversity measures are best?. <i>PLoS ONE</i> , 2022, 17, e0265110.	1.1	0