Paul Sunnucks

List of Publications by Year
in descending order

173 papers	11,424 citations	30070 54 h-index	34986 98 g-index
178 all docs	178 docs citations	178 times ranked	10596 citing authors

#	Article	IF	Citations
1	Numerous transposed sequences of mitochondrial cytochrome oxidase I-II in aphids of the genus Sitobion (Hemiptera: Aphididae). Molecular Biology and Evolution, 1996, 13, 510-524.	8.9	1,008
2	Efficient genetic markers for population biology. Trends in Ecology and Evolution, 2000, 15, 199-203.	8.7	708
3	Assessing the benefits and risks of translocations in changing environments: a genetic perspective. Evolutionary Applications, 2011, 4, 709-725.	3.1	661
4	SSCP is not so difficult: the application and utility of single-stranded conformation polymorphism in evolutionary biology and molecular ecology. Molecular Ecology, 2000, 9, 1699-1710.	3.9	327
5	Decline of a biome: evolution, contraction, fragmentation, extinction and invasion of the Australian mesic zone biota. Journal of Biogeography, 2011, 38, 1635-1656.	3.0	324
6	Ecology and evolution of sex in aphids. Trends in Ecology and Evolution, 2002, 17, 34-39.	8.7	307
7	Call for a Paradigm Shift in the Genetic Management of Fragmented Populations. Conservation Letters, 2018, 11, e12412.	5.7	283
8	Genetic structure of an aphid studied using microsatellites: cyclic parthenogenesis, differentiated lineages and host specialization. Molecular Ecology, 1997, 6, 1059-1073.	3.9	207
9	Using genomics to characterize evolutionary potential for conservation of wild populations. Evolutionary Applications, 2014, 7, 1008-1025.	3.1	207
10	Reproductive mode and population genetic structure of the cereal aphidSitobion avenaestudied using phenotypic and microsatellite markers. Molecular Ecology, 1999, 8, 531-545.	3.9	196
11	The impact of habitat fragmentation on dispersal of Cunninghamâ€™s skink (Egernia cunninghami): evidence from allelic and genotypic analyses of microsatellites. Molecular Ecology, 2001, 10, 867-878.	3.9	194
12	Evolutionary refugia and ecological refuges: key concepts for conserving Australian arid zone freshwater biodiversity under climate change. Global Change Biology, 2013, 19, 1970-1984.	9.5	189
13	Genomics in Conservation: Case Studies and Bridging the Gap between Data and Application. Trends in Ecology and Evolution, 2016, 31, 81-83.	8.7	173
14	Fine-scale genetic structure, estuarine colonization and incipient speciation in the marine silverside fish Odontesthes argentinensis. Molecular Ecology, 2001, 10, 2849-2866.	3.9	158
15	Environmentally related patterns of reproductive modes in the aphid Myzus persicae and the predominance of two â€˜superclonesâ€™ in Victoria, Australia. Molecular Ecology, 2003, 12, 3493-3504.	3.9	155
16	Southern Hemisphere Springtails: Could Any Have Survived Glaciation of Antarctica?. Molecular Biology and Evolution, 2006, 23, 874-882.	8.9	148
17	Microsatellite and Chromosome Evolution of Parthenogenetic Sitobion Aphids in Australia. Genetics, 1996, 144, 747-756.	2.9	145
18	Migration and genetic structure of the grain aphid (Sitobion avenae) in Britain related to climate and clonal fluctuation as revealed using microsatellites. Molecular Ecology, 2002, 12, 21-34.	3.9	139

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19	Genetic rescue: A critique of the evidence supports maximizing genetic diversity rather than minimizing the introduction of putatively harmful genetic variation. Biological Conservation, 2020, 251, 108784.	4.1	130
20	FINE-SCALE PHYLOGEOGRAPHIC CONGRUENCE DESPITE DEMOGRAPHIC INCONGRUENCE IN TWO LOW-MOBILITY SAPROXYLIC SPRINGTAILS. Evolution; International Journal of Organic Evolution, 2008, 62, 1103-1118.	2.3	129
21	Highly reliable genetic identification of individual northern hairy-nosed wombats from single remotely collected hairs: a feasible censusing method. Molecular Ecology, 2000, 9, 1233-1240.	3.9	119
22	Severe consequences of habitat fragmentation on genetic diversity of an endangered Australian freshwater fish: A call for assisted gene flow. Evolutionary Applications, 2017, 10, 531-550.	3.1	119
23	Cross-species amplification of microsatellite loci in aphids: assessment and application. Molecular Ecology Notes, 2004, 4, 104-109.	1.7	117
24	Genetic consequences of an invasion through a patchy environment â€" the cynipid gallwasp Andricus quercuscalicis (Hymenoptera: Cynipidae). Molecular Ecology, 1993, 2, 251-268.	3.9	113
25	Nuclear gene phylogeography using PHASE: dealing with unresolved genotypes, lost alleles, and systematic bias in parameter estimation. BMC Evolutionary Biology, 2010, 10, 118.	3.2	112
26	Positive and purifying selection in mitochondrial genomes of a bird with mitonuclear discordance. Molecular Ecology, 2015, 24, 2820-2837.	3.9	112
27	PHYLOGENETIC EVIDENCE FOR HYBRID ORIGINS OF ASEXUAL LINEAGES IN AN APHID SPECIES. Evolution; International Journal of Organic Evolution, 2003, 57, 1291-1303.	2.3	106
28	Microevolution, low clonal diversity and genetic affinities of parthenogenetic Sitobion aphids in New Zealand. Molecular Ecology, 1999, 8, 1655-1666.	3.9	100
29	PERCHED AT THE MITO-NUCLEAR CROSSROADS: DIVERGENT MITOCHONDRIAL LINEAGES CORRELATE WITH ENVIRONMENT IN THE FACE OF ONGOING NUCLEAR GENE FLOW IN AN AUSTRALIAN BIRD. Evolution; International Journal of Organic Evolution, 2013, 67, 3412-3428.	2.3	97
30	A rapid fish radiation associated with the last sea-level changes in southern Brazil: the silversideOdontesthes perugiaecomplex. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 65-73.	2.6	95
31	Heritable genetic variation and potential for adaptive evolution in asexual aphids (Aphidoidea). Biological Journal of the Linnean Society, 2003, 79, 115-135.	1.6	93
32	Genetic factors in threatened species recovery plans on three continents. Frontiers in Ecology and the Environment, 2016, 14, 433-440.	4.0	93
33	Integrating Mitochondrial Aerobic Metabolism into Ecology and Evolution. Trends in Ecology and Evolution, 2021, 36, 321-332.	8.7	87
34	Demographic monitoring of an entire species (the northern hairy-nosed wombat, Lasiorhinus krefftii) by genetic analysis of non-invasively collected material. Animal Conservation, 2003, 6, 101-107.	2.9	84
35	Inbreeding avoidance in Cunningham's skinks (Egernia cunninghami) in natural and fragmented habitat. Molecular Ecology, 2004, 13, 443-447.	3.9	84
36	Relatedness structure detected by microsatellite analysis and attempted pedigree reconstruction in an endangered marsupial, the northern hairyâ€nosed wombat Lasiorhinus krefftii. Molecular Ecology, 1997, 6, 9-19.	3.9	83

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37	Microsatellite isolation, linkage group identification and determination of recombination frequency in the peach-potato aphid, Myzus persicae (Sulzer) (Hemiptera: Aphididae). Genetical Research, 2001, 77, 251-60.	0.9	82
38	Phylogeography recapitulates topography: very fine-scale local endemism of a saproxylic â€˜giantâ€™ springtail at Tallaganda in the Great Dividing Range of south-east Australia. Molecular Ecology, 2004, 13, 3329-3344.	3.9	82
39	A tale of two flatties: different responses of two terrestrial flatworms to past environmental climatic fluctuations at Tallaganda in montane southeastern Australia. Molecular Ecology, 2006, 15, 4513-4531.	3.9	79
40	High mate and site fidelity in Cunningham's skinks (Egernia cunninghami) in natural and fragmented habitat. Molecular Ecology, 2004, 13, 419-430.	3.9	76
41	Babies and bathwater: a comment on the premature obituary for nested clade phylogeographical analysis. Molecular Ecology, 2008, 17, 1401-1403.	3.9	72
42	MÃ©nage Ã trois on Macquarie Island: hybridization among three species of fur seal (Arctocephalus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.9	71
43	Early emergence in a butterfly causally linked to anthropogenic warming. Biology Letters, 2010, 6, 674-677.	2.3	68
44	SHORT PAPER Random loss of X chromosome at male determination in an aphid, Sitobion near fragariae, detected using an X-linked polymorphic microsatellite marker. Genetical Research, 1997, 69, 233-236.	0.9	66
45	A revision of brain composition in Onychophora (velvet worms) suggests that the tritocerebrum evolved in arthropods. BMC Evolutionary Biology, 2010, 10, 255.	3.2	66
46	Microsatellite variation in cyclically parthenogenetic populations of Myzus persicae in south-eastern Australia. Heredity, 2002, 88, 258-266.	2.6	65
47	Integrative Approaches for Studying Mitochondrial and Nuclear Genome Co-evolution in Oxidative Phosphorylation. Frontiers in Genetics, 2017, 8, 25.	2.3	65
48	Fine-scale effects of habitat loss and fragmentation despite large-scale gene flow for some regionally declining woodland bird species. Landscape Ecology, 2012, 27, 813-827.	4.2	63
49	Species- and sex-specific connectivity effects of habitat fragmentation in a suite of woodland birds. Ecology, 2014, 95, 1556-1568.	3.2	63
50	Concordant divergence of mitogenomes and a mitonuclear gene cluster in bird lineages inhabiting different climates. Nature Ecology and Evolution, 2018, 2, 1258-1267.	7.8	63
51	Biological and genetic characterization of morphologically similar Therioaphis trifolii (Hemiptera: Aphididae) with different host utilization. Bulletin of Entomological Research, 1997, 87, 425-436.	1.0	62
52	Opsins in Onychophora (Velvet Worms) Suggest a Single Origin and Subsequent Diversification of Visual Pigments in Arthropods. Molecular Biology and Evolution, 2012, 29, 3451-3458.	8.9	61
53	Evidence for habitat fragmentation altering withinâ€population processes in wombats. Molecular Ecology, 2008, 17, 1674-1684.	3.9	58
54	De novo genome assembly and annotation of Australia's largest freshwater fish, the Murray cod (Maccullochella peelii), from Illumina and Nanopore sequencing read. GigaScience, 2017, 6, 1-6.	6.4	57

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55	Explaining the coexistence of asexuals with their sexual progenitors: no evidence for general-purpose genotypes in obligate parthenogens of the peach-potato aphid, Myzus persicae. Ecology Letters, 2003, 6, 1091-1098.	6.4	56
56	Large Gaps in Canopy Reduce Road Crossing by a Gliding Mammal. Ecology and Society, 2010, 15, .	2.3	55
57	Predicting Landscape-Genetic Consequences of Habitat Loss, Fragmentation and Mobility for Multiple Species of Woodland Birds. PLoS ONE, 2012, 7, e30888.	2.5	54
58	Evolution of mitotic cell-lineages in multicellular organisms. Trends in Ecology and Evolution, 1998, 13, 117-120.	8.7	52
59	Catchments catch all: long-term population history of a giant springtail from the southeast Australian highlands - a multigene approach. Molecular Ecology, 2007, 16, 1865-1882.	3.9	51
60	Incorporating evolutionary processes into population viability models. Conservation Biology, 2015, 29, 755-764.	4.7	51
61	Artificial barriers prevent genetic recovery of small isolated populations of a low-mobility freshwater fish. Heredity, 2018, 120, 515-532.	2.6	50
62	Lifetime Fitness Costs of Inbreeding and Being Inbred in a Critically Endangered Bird. Current Biology, 2019, 29, 2711-2717.e4.	3.9	50
63	Microsatellite loci isolated from Odontesthes argentinensis and the O. perugiae species group and their use in other South American silverside fish. Molecular Ecology, 2000, 9, 629-631.	3.9	49
64	Climateâ€driven mitochondrial selection: A test in Australian songbirds. Molecular Ecology, 2018, 27, 898-918.	3.9	43
65	Use of genetic data for conservation management: the case of the Arabian oryx. Animal Conservation, 1999, 2, 269-278.	2.9	41
66	Evolution of an ecological trait in parthenogenetic Sitobion aphids. Heredity, 1998, 81, 638-647.	2.6	40
67	Towards modelling persistence of woodland birds: the role of genetics. Emu, 2011, 111, 19-39.	0.6	40
68	Reproductive biology of the onychophoran Euperipatoides rowelli. Journal of Zoology, 2000, 250, 447-460.	1.7	39
69	Lower reproductive success in hybrid fur seal males indicates fitness costs to hybridization. Molecular Ecology, 2007, 16, 3187-3197.	3.9	39
70	Scope for genetic rescue of an endangered subspecies though reâ€establishing natural gene flow with another subspecies. Molecular Ecology, 2016, 25, 1242-1258.	3.9	39
71	Purifying selection and genetic drift shaped Pleistocene evolution of the mitochondrial genome in an endangered Australian freshwater fish. Heredity, 2017, 118, 466-476.	2.6	39
72	Lack of detectable genetic recombination on the X chromosome during the parthenogenetic production of female and male aphids. Genetical Research, 2002, 79, 203-209.	0.9	38

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73	When log-dwellers meet loggers: impacts of forest fragmentation on two endemic log-dwelling beetles in southeastern Australia. Molecular Ecology, 2006, 15, 1481-1492.	3.9	38
74	Aquatic communities in arid landscapes: local conditions, dispersal traits and landscape configuration determine local biodiversity. Diversity and Distributions, 2015, 21, 1230-1241.	4.1	37
75	Does soil type drive social organization in southern hairy-nosed wombats?. Molecular Ecology, 2006, 16, 199-208.	3.9	36
76	Evaluating the success of wildlife crossing structures using genetic approaches and an experimental design: Lessons from a gliding mammal. Journal of Applied Ecology, 2018, 55, 129-138.	4.0	36
77	A potential role for overland dispersal in shaping aquatic invertebrate communities in arid regions. Freshwater Biology, 2016, 61, 745-757.	2.4	35
78	Genomic evidence of neo-sex chromosomes in the eastern yellow robin. GigaScience, 2019, 8, .	6.4	35
79	Evidence for gene flow and local clonal selection in field populations of the grain aphid (Sitobion) Tj ETQq1 1 0.784314 rgBT /Overloc	2.6	34
80	Signatures of polygenic adaptation associated with climate across the range of a threatened fish species with high genetic connectivity. Molecular Ecology, 2017, 26, 6253-6269.	3.9	34
81	A set of microsatellite loci for the hairy-nosed wombats (Lasiorhinus krefftii and L. latifrons). Conservation Genetics, 2000, 1, 89-92.	1.5	33
82	GENOTYPING OF â€œCAPTUREDâ€•HAIRS REVEALS BURROW-USE AND RANGING BEHAVIOR OF SOUTHERN HAIRY-NOSED WOMBATS. Journal of Mammalogy, 2006, 87, 690-699.	1.3	33
83	To mix or not to mix gene pools for threatened species management? Few studies use genetic data to examine the risks of both actions, but failing to do so leads disproportionately to recommendations for separate management. Biological Conservation, 2021, 256, 109072.	4.1	33
84	Temporal differentiation and spatial coexistence of sexual and facultative asexual lineages of an aphid species at mating sites. Journal of Evolutionary Biology, 2006, 19, 809-815.	1.7	32
85	Inference of Population History by Coupling Exploratory and Model-Driven Phylogeographic Analyses. International Journal of Molecular Sciences, 2010, 11, 1190-1227.	4.1	32
86	Mouthpart morphology and trophic position of microarthropods from soils and mosses are strongly correlated. Soil Biology and Biochemistry, 2012, 53, 56-63.	8.8	32
87	Bird diversity increases after patchy prescribed fire: implications from a beforeâ€“after controlâ€“impact study. International Journal of Wildland Fire, 2015, 24, 690.	2.4	31
88	Mitochondrial DNA Indicates Late Pleistocene Divergence of Populations of Heteronympha merope, an Emerging Model in Environmental Change Biology. PLoS ONE, 2009, 4, e7950.	2.5	31
89	Host Plant Relationships of Aphis gossypii Glover (Hemiptera: Aphididae) in Australia. Australian Journal of Entomology, 1995, 34, 265-271.	1.1	30
90	Female dispersal and male kinshipâ€“based association in southern hairyâ€nosed wombats (<i>Lasiorhinus) Tj ETQq0 0 0 rgBT /Overlock	3.9	30

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91	Beyond Roadkill, Radiotracking, Recapture and FST—a Review of Some Genetic Methods to Improve Understanding of the Influence of Roads on Wildlife. Ecology and Society, 2010, 15, .	2.3	30
92	Stageâ€dependent physiological responses in a butterfly cause nonâ€additive effects on phenology. Oikos, 2012, 121, 1464-1472.	2.7	30
93	Limited Population Structure, Genetic Drift and Bottlenecks Characterise an Endangered Bird Species in a Dynamic, Fire-Prone Ecosystem. PLoS ONE, 2013, 8, e59732.	2.5	29
94	Monitoring ecological consequences of efforts to restore landscape-scale connectivity. Biological Conservation, 2017, 206, 201-209.	4.1	28
95	Perpendicular axes of differentiation generated by mitochondrial introgression. Molecular Ecology, 2017, 26, 3241-3255.	3.9	28
96	Swimming through sand: connectivity of aquatic fauna in deserts. Ecology and Evolution, 2015, 5, 5252-5264.	1.9	27
97	Redescription of the Antarctic springtail Desoria klovstadi using morphological and molecular evidence. Polar Biology, 2006, 29, 820-830.	1.2	26
98	Disrupted fineâ€scale population processes in fragmented landscapes despite largeâ€scale genetic connectivity for a widespread and common cooperative breeder: the superb fairyâ€wren (<scp>M</scp>alurus cyaneus). Journal of Animal Ecology, 2013, 82, 322-333.	2.8	26
99	Unravelling the Paradox of Loss of Genetic Variation during Invasion: Superclones May Explain the Success of a Clonal Invader. PLoS ONE, 2014, 9, e97744.	2.5	26
100	Genes and song: genetic and social connections in fragmented habitat in a woodland bird with limited dispersal. Ecology, 2012, 93, 1717-1727.	3.2	25
101	Co-Gradient Variation in Growth Rate and Development Time of a Broadly Distributed Butterfly. PLoS ONE, 2014, 9, e95258.	2.5	25
102	The Application of Genetic Markers to Landscape Management. , 2008, , 211-233.		25
103	Molecular anatomy of an onychophoran: compartmentalized sperm storage and heterogeneous paternity. Molecular Ecology, 1999, 8, 1375-1385.	3.9	23
104	Development and application of three-tiered nuclear genetic markers for basal Hexapods using single-stranded conformation polymorphism coupled with targeted DNA sequencing. , 2006, 7, 11.		23
105	Pooling hair samples to increase DNA yield for PCR. Conservation Genetics, 2003, 4, 779-788.	1.5	22
106	Microhabitat preferences drive phylogeographic disparities in two Australian funnel web spiders. Biological Journal of the Linnean Society, 2011, 104, 805-819.	1.6	22
107	Different responses to temperature in three closely-related sympatric cereal aphids. Entomologia Experimentalis Et Applicata, 1998, 86, 49-58.	1.4	21
108	Neutral and selective drivers of colour evolution in a widespread Australian passerine. Journal of Biogeography, 2017, 44, 522-536.	3.0	21

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109	Microsatellite markers for the onychophoran Euperipatoides rowelli. Molecular Ecology, 1999, 8, 899-900.	3.9	21
110	Little evidence that condition, stress indicators, sex ratio, or homozygosity are related to landscape or habitat attributes in declining woodland birds. Journal of Avian Biology, 2013, 44, 045-054.	1.2	19
111	Very Low Population Structure in a Highly Mobile and Wide-Ranging Endangered Bird Species. PLoS ONE, 2015, 10, e0143746.	2.5	19
112	Sex of Pouch Young Related to Maternal Weight in Macropus eugenii and M. parma (Marsupialia:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	18
113	Does reduced mobility through fragmented landscapes explain patch extinction patterns for three honeyeaters?. Journal of Animal Ecology, 2014, 83, 616-627.	2.8	18
114	Phylogeography of Saproxylic and Forest Floor Invertebrates from Tallaganda, South-eastern Australia. Insects, 2012, 3, 270-294.	2.2	17
115	Integrating phylogeography and morphometrics to assess conservation merits and inform conservation strategies for an endangered subspecies of a common bird species. Biological Conservation, 2014, 174, 136-146.	4.1	17
116	Accounting for cryptic population substructure enhances detection of inbreeding depression with genomic inbreeding coefficients: an example from a critically endangered marsupial. Molecular Ecology, 2020, 29, 2978-2993.	3.9	17
117	Retention of reproductive barriers and ecological differences between two introduced sympatric Macropus spp. in New Zealand. Animal Conservation, 1999, 2, 195-202.	2.9	16
118	Phylogeography and environmental correlates of a cap on reproduction: teat number in a small marsupial, Antechinus agilis. Molecular Ecology, 2006, 16, 1069-1083.	3.9	16
119	Pleistocene divergence across a mountain range and the influence of selection on mitogenome evolution in threatened Australian freshwater cod species. Heredity, 2016, 116, 506-515.	2.6	16
120	Environmental Complexity and Biodiversity: The Multi-Layered Evolutionary History of a Log-Dwelling Velvet Worm in Montane Temperate Australia. PLoS ONE, 2013, 8, e84559.	2.5	16
121	Avoidance of novel objects by rabbits (Oryctolagus cuniculus L.). Wildlife Research, 1998, 25, 273.	1.4	15
122	Multiple mating strategies explain unexpected genetic mixing of New Zealand fur seals with two congenerics in a recently recolonized population. Molecular Ecology, 2007, 16, 5267-5276.	3.9	15
123	The role of temperature and dispersal in moss-microarthropod community assembly after a catastrophic event. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 3042-3049.	4.0	15
124	New data from basal Australian songbird lineages show that complex structure of MHC class II Î² genes has early evolutionary origins within passerines. BMC Evolutionary Biology, 2016, 16, 112.	3.2	15
125	Applying Population Viability Analysis to Inform Genetic Rescue That Preserves Locally Unique Genetic Variation in a Critically Endangered Mammal. Diversity, 2021, 13, 382.	1.7	15
126	Evolutionary divergence in freshwater insects with contrasting dispersal capacity across a sea of desert. Freshwater Biology, 2017, 62, 1443-1459.	2.4	14

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127	Evaluating the use of risk assessment frameworks in the identification of population units for biodiversity conservation. Wildlife Research, 2020, 47, 208.	1.4	14
128	Using multiple sources during reintroduction of a locally extinct population benefits survival and reproduction of an endangered freshwater fish. Evolutionary Applications, 2021, 14, 950-964.	3.1	14
129	Isolation and characterization of 20 polymorphic microsatellite loci for Scaptodrosophila hibisci. Molecular Ecology Notes, 2002, 2, 242-244.	1.7	13
130	Pleistocene-dated biogeographic barriers drove divergence within the Australo-Papuan region in a sex-specific manner: an example in a widespread Australian songbird. Heredity, 2019, 123, 608-621.	2.6	13
131	The genetic outcomes of sex and recombination in long-term functionally parthenogenetic lineages of Australian Sitobion aphids. Genetical Research, 2006, 87, 175-185.	0.9	12
132	Novel microsatellite DNA markers indicate strict parthenogenesis and few genotypes in the invasive willow sawfly Nematus oligospilus. Bulletin of Entomological Research, 2013, 103, 74-88.	1.0	12
133	Strong population genetic structure and its management implications in the mud carp Cirrhinus molitorella, an indigenous freshwater species subject to an aquaculture and cultureâ€based fishery. Journal of Fish Biology, 2012, 80, 651-668.	1.6	10
134	Assessing the scope for genetic rescue of an endangered butterfly: the case of the Eltham copper. Insect Conservation and Diversity, 2017, 10, 399-414.	3.0	10
135	MHC class II Î² exon 2 variation in pardalotes (Pardalotidae) is shaped by selection, recombination and gene conversion. Immunogenetics, 2017, 69, 101-111.	2.4	9
136	Patterns and drivers of aquatic invertebrate diversity across an arid biome. Ecography, 2018, 41, 375-387.	4.5	9
137	Single copy nuclear DNA markers for the onychophoran Phallocephale tallagandensis. Conservation Genetics Resources, 2009, 1, 17-19.	0.8	8
138	Velvet worms. Current Biology, 2011, 21, R238-R240.	3.9	8
139	Prevalence and diversity of avian haematozoa in three species of Australian passerine. Emu, 2013, 113, 353-358.	0.6	8
140	Characterization of MHC class IIB for four endangered Australian freshwater fishes obtained from ecologically divergent populations. Fish and Shellfish Immunology, 2015, 46, 468-476.	3.6	8
141	Identifying environmental correlates of intraspecific genetic variation. Heredity, 2016, 117, 155-164.	2.6	8
142	Measuring social preferences for conservation management in Australia. Biological Conservation, 2021, 262, 109323.	4.1	8
143	Chromosome-length genome assembly and linkage map of a critically endangered Australian bird: the helmeted honeyeater. GigaScience, 2022, 11, .	6.4	8
144	Segregation of autosomes during spermatogenesis in the peach-potato aphid (Myzus persicae) (Sulzer) (Hemiptera: Aphididae). Genetical Research, 2002, 79, 119-127.	0.9	7

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145	PHYLOGENETIC EVIDENCE FOR HYBRID ORIGINS OF ASEXUAL LINEAGES IN AN APHID SPECIES. Evolution; International Journal of Organic Evolution, 2003, 57, 1291.	2.3	7
146	Testing the neutral theory of molecular evolution using genomic data: a comparison of the human and bovine transcriptome. Genetics Selection Evolution, 2006, 38, 321.	3.0	7
147	Distribution and rapid range expansion of the introduced willow sawflyNematus oligospilusFÃ¶rster (Hymenoptera: Tenthredinidae) in Australasia. Austral Entomology, 2014, 53, 175-182.	1.4	7
148	Evolution of an ecological trait in parthenogenetic Sitobion aphids. Heredity, 1998, 81, 638-647.	2.6	7
149	Anonymous single-copy nuclear DNA (scnDNA) markers for two endemic log-dwelling beetles: Apasis puncticeps and Adelium calosomoides (Tenebrionidae: Lagriinae: Adeliini). Molecular Ecology Notes, 2006, 6, 362-364.	1.7	6
150	Song parameters of the fuscous honeyeater Lichenostomus fuscus correlate with habitat characteristics in fragmented landscapes. Journal of Avian Biology, 2018, 49, jav-01493.	1.2	6
151	Population mitogenomics provides insights into evolutionary history, source of invasions and diversifying selection in the House Crow (Corvus splendens). Heredity, 2018, 120, 296-309.	2.6	6
152	Estimates of wear rates in metal bird bands, with applications for survival and movement models of marked individuals. Journal of Field Ornithology, 2018, 89, 393-406.	0.5	6
153	Evolutionary history and genetic connectivity across highly fragmented populations of an endangered daisy. Heredity, 2021, 126, 846-858.	2.6	6
154	A novel framework for evaluating in situ breeding management strategies in endangered populations. Molecular Ecology Resources, 2022, 22, 239-253.	4.8	6
155	Are we adequately assessing the demographic impacts of harvesting for wildâ€sourced conservation translocations?. Conservation Science and Practice, 2022, 4, e569.	2.0	6
156	Conservation and Genetics. Yale Journal of Biology and Medicine, 2018, 91, 491-501.	0.2	6
157	A set of microsatellite markers for an endangered arboreal marsupial, Leadbeater's possum. Molecular Ecology Notes, 2005, 5, 796-799.	1.7	5
158	Microsatellites reveal male recombination and neo-sex chromosome formation in Scaptodrosophila hibisci (Drosophilidae). Genetical Research, 2006, 87, 33-43.	0.9	5
159	Two behavioural traits promote fine-scale species segregation and moderate hybridisation in a recovering sympatric fur seal population. BMC Evolutionary Biology, 2010, 10, 143.	3.2	5
160	Reproductive biology of the onychophoran Euperipatoides rowelli. Journal of Zoology, 2000, 250, 447-460.	1.7	5
161	Chemical cues and group association preferences in a subsocial cockroach, Panesthia australis. Australian Journal of Zoology, 2009, 57, 385.	1.0	4
162	Strong genetic structuring without assortative mating or reduced hybrid survival in an onychophoran in the Tallaganda State Forest region, Australia. Biological Journal of the Linnean Society, 2014, 111, 589-602.	1.6	4

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163	Evidence of Subdivisions on Evolutionary Timescales in a Large, Declining Marsupial Distributed across a Phylogeographic Barrier. PLoS ONE, 2016, 11, e0162789.	2.5	4
164	Labile sex chromosomes in the Australian freshwater fish family Percichthyidae. Molecular Ecology Resources, 2022, 22, 1639-1655.	4.8	4
165	Using genomics to fight extinction. Science, 2022, 376, 574-575.	12.6	4
166	A model for firstâ€estimates of speciesâ€specific, ageâ€specific mortality from centralized bandâ€recovery databases. Ecosphere, 2018, 9, e02136.	2.2	3
167	Functional connectivity and population persistence in woodland birds: insights for management from a multi-species conservation genetics study. Emu, 2021, 121, 147-159.	0.6	3
168	Polymorphic population genetic markers for the Australian wood cockroach Panesthia australis. Molecular Ecology Notes, 2006, 6, 765-766.	1.7	2
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