Neil Gemmell

List of Publications by Year
in descending order

210	12,037	28274	36028
papers	citations	55 h-index	97 g-index

234	234	234	15491
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interactive effects of habitat modification and species invasion on native species decline. Trends in Ecology and Evolution, 2007, 22, 489-496.	8.7	692
2	Genome analysis of the platypus reveals unique signatures of evolution. Nature, 2008, 453, 175-183.	27.8	657
3	Are invasive species the drivers of ecological change?. Trends in Ecology and Evolution, 2005, 20, 470-474.	8.7	648
4	Underestimation of Species Richness in Neotropical Frogs Revealed by mtDNA Analyses. PLoS ONE, 2007, 2, e1109.	2.5	379
5	Mother's curse: the effect of mtDNA on individual fitness and population viability. Trends in Ecology and Evolution, 2004, 19, 238-244.	8.7	312
6	The Genome 10K Project: A Way Forward. Annual Review of Animal Biosciences, 2015, 3, 57-111.	7.4	294
7	Fast, cost-effective development of species-specific microsatellite markers by genomic sequencing. BioTechniques, 2009, 46, 185-192.	1.8	292
8	Consistent age-dependent declines in human semen quality: A systematic review and meta-analysis. Ageing Research Reviews, 2015, 19, 22-33.	10.9	264
9	Dense sampling of bird diversity increases power of comparative genomics. Nature, 2020, 587, 252-257.	27.8	251
10	An efficient method for the extraction of DNA from vertebrate tissues. Trends in Genetics, 1996, 12, 338-339.	6.7	247
11	The rise, fall and renaissance of microsatellites in eukaryotic genomes. BioEssays, 2006, 28, 1040-1050.	2.5	223
12	The power and promise of <scp>RNA</scp>â€seq in ecology andÂevolution. Molecular Ecology, 2016, 25, 1224-1241.	3.9	219
13	Revealing the hidden complexities of mtDNA inheritance. Molecular Ecology, 2008, 17, 4925-4942.	3.9	218
14	Gender Differences in Publication Output: Towards an Unbiased Metric of Research Performance. PLoS ONE, 2006, 1, e127.	2.5	206
15	Environmental DNA (eDNA) metabarcoding reveals strong discrimination among diverse marine habitats connected by water movement. Molecular Ecology Resources, 2019, 19, 426-438.	4.8	180
16	Beyond Biodiversity: Can Environmental DNA (eDNA) Cut It as a Population Genetics Tool?. Genes, 2019, 10, 192.	2.4	160
17	Measuring telomere length and telomere dynamics in evolutionary biology and ecology. Methods in Ecology and Evolution, 2014, 5, 299-310.	5.2	158
18	Conservation demands safe gene drive. PLoS Biology, 2017, 15, e2003850.	5.6	157

#	Article	IF	Citations
19	Microsatellite Tandem Repeats Are Abundant in Human Promoters and Are Associated with Regulatory Elements. PLoS ONE, 2013, 8, e54710.	2.5	156
20	Haplotype-resolved assembly of diploid genomes without parental data. Nature Biotechnology, 2022, 40, 1332-1335.	17.5	139
21	The mitochondrial genome of a monotremeâ€"the platypus (Ornithrohynchus anatinus). Journal of Molecular Evolution, 1996, 42, 153-159.	1.8	127
22	Bending Genders: The Biology of Natural Sex Change in Fish. Sexual Development, 2016, 10, 223-241.	2.0	116
23	Multiple Quaternary Refugia in the Eastern Guiana Shield Revealed by Comparative Phylogeography of 12 Frog Species. Systematic Biology, 2012, 61, 461.	5.6	113
24	A mechanism for cryptic female choice in chinook salmon. Behavioral Ecology, 2008, 19, 1179-1185.	2.2	110
25	Signatures of selection in sheep bred for resistance or susceptibility to gastrointestinal nematodes. BMC Genomics, 2014, 15, 637.	2.8	109
26	The tuatara genome reveals ancient features of amniote evolution. Nature, 2020, 584, 403-409.	27.8	105
27	Large-scale transcriptome sequencing reveals novel expression patterns for key sex-related genes in a sex-changing fish. Biology of Sex Differences, 2015, 6, 26.	4.1	100
28	Interspecific microsatellite markers for the study of pinniped populations. Molecular Ecology, 1997, 6, 661-666.	3.9	99
29	Stress, novel sex genes, and epigenetic reprogramming orchestrate socially controlled sex change. Science Advances, 2019, 5, eaaw7006.	10.3	99
30	Sexual plasticity: A fishy tale. Molecular Reproduction and Development, 2017, 84, 171-194.	2.0	98
31	Defining eradication units to control invasive pests. Journal of Applied Ecology, 2004, 41, 1042-1048.	4.0	97
32	Measuring vertebrate telomeres: applications and limitations. Molecular Ecology, 2004, 13, 2523-2533.	3.9	94
33	Sex allocation theory aids species conservation. Biology Letters, 2006, 2, 229-231.	2.3	90
34	Chemical composition of seminal and ovarian fluids of chinook salmon (Oncorhynchus tshawytscha) and their effects on sperm motility traits. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 152, 123-129.	1.8	90
35	Stress and sex: does cortisol mediate sex change in fish?. Reproduction, 2017, 154, R149-R160.	2.6	88
36	Comparative phylogeography of coastal limpets across a marine disjunction in New Zealand. Molecular Ecology, 2006, 15, 3259-3268.	3.9	84

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37	Zebrafish preserve global germline DNA methylation while sex-linked rDNA is amplified and demethylated during feminisation. Nature Communications, 2019, 10, 3053.	12.8	82
38	Genetic Biocontrol for Invasive Species. Frontiers in Bioengineering and Biotechnology, 2020, 8, 452.	4.1	78
39	PCR-based sexing in conservation biology: Wrong answers from an accurate methodology?. Conservation Genetics, 2006, 7, 267-271.	1.5	75
40	Water stratification in the marine biome restricts vertical environmental DNA (eDNA) signal dispersal. Environmental DNA, 2020, 2, 99-111.	5.8	74
41	MÃ©nage Ã trois on Macquarie Island: hybridization among three species of fur seal (Arctocephalus) Tj ETQq1 1 0.784314 rgBT /Over	3.9	71
42	Heterozygote Advantage for Fecundity. PLoS ONE, 2006, 1, e125.	2.5	69
43	Are old males still good males and can females tell the difference?. BioEssays, 2012, 34, 609-619.	2.5	67
44	The potential for the use of gene drives for pest control in New Zealand: a perspective. Journal of the Royal Society of New Zealand, 2018, 48, 225-244.	1.9	66
45	Male harassment of female New Zealand sea lions, Phocarctos hookeri: mortality, injury, and harassment avoidance. Canadian Journal of Zoology, 2005, 83, 642-648.	1.0	65
46	The use of telomere length in ecology and evolutionary biology. Heredity, 2010, 105, 497-506.	2.6	65
47	Summer foraging areas for lactating New Zealand sea lions Phocarctos hookeri. Marine Ecology - Progress Series, 2005, 304, 235-247.	1.9	65
48	Diving to extremes: are New Zealand sea lions (Phocarctos hookeri) pushing their limits in a marginal habitat?. Journal of Zoology, 2006, 269, 060423091114003-???.	1.7	63
49	Entanglement of New Zealand fur seals in man-made debris at Kaikoura, New Zealand. Marine Pollution Bulletin, 2006, 52, 442-446.	5.0	63
50	Deciphering Past Human Population Movements in Oceania: Provably Optimal Trees of 127 mtDNA Genomes. Molecular Biology and Evolution, 2006, 23, 1966-1975.	8.9	62
51	Detecting short tandem repeats from genome data: opening the software black box. Briefings in Bioinformatics, 2008, 9, 355-366.	6.5	62
52	Speciesâ€level biodiversity assessment using marine environmental DNA metabarcoding requires protocol optimization and standardization. Ecology and Evolution, 2019, 9, 1323-1335.	1.9	62
53	Low reproductive success in territorial male Antarctic fur seals (Arctocephalus gazella) suggests the existence of alternative mating strategies. Molecular Ecology, 2001, 10, 451-460.	3.9	61
54	Inheritance of Telomere Length in a Bird. PLoS ONE, 2011, 6, e17199.	2.5	60

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55	The Genetics and Epigenetics of Sex Change in Fish. Annual Review of Animal Biosciences, 2020, 8, 47-69.	7.4	60
56	Dispersal of breeding, adult male Phocarctos hookeri: Implications for disease transmission, population management and species recovery. Biological Conservation, 2006, 127, 227-236.	4.1	58
57	Global Phylogeography of the Widely Introduced North West Pacific Ascidian Styela clava. PLoS ONE, 2011, 6, e16755.	2.5	58
58	Evolution of the mammalian mitochondrial control region--comparisons of control region sequences between monotreme and therian mammals. Molecular Biology and Evolution, 1996, 13, 798-808.	8.9	52
59	Adaptive radiation within New Zealand endemic species of the cockroach genus Celatoblatta Johns (Blattidae): a response to Plio-Pleistocene mountain building and climate change. Molecular Ecology, 2004, 13, 1507-1518.	3.9	52
60	Genetic analyses reveal hybridization but no hybrid swarm in one of the worldâ€™s rarest birds. Molecular Ecology, 2010, 19, 5090-5100.	3.9	52
61	Histological and transcriptomic effects of 17Î±-methyltestosterone on zebrafish gonad development. BMC Genomics, 2017, 18, 557.	2.8	52
62	The Need for Speed: Neuroendocrine Regulation of Socially-controlled Sex Change. Integrative and Comparative Biology, 2015, 55, 307-322.	2.0	50
63	Demographic histories and genetic diversity across pinnipeds are shaped by human exploitation, ecology and life-history. Nature Communications, 2018, 9, 4836.	12.8	49
64	Cryptic female choice enhances fertilization success and embryo survival in chinook salmon. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160001.	2.6	48
65	Regional connectivity and coastal expansion: differentiating preâ€border and postâ€border vectors for the invasive tunicate Styela clava. Molecular Ecology, 2010, 19, 874-885.	3.9	47
66	Mitochondria, maternal inheritance, and asymmetric fitness: Why males die younger. BioEssays, 2013, 35, 93-99.	2.5	47
67	Determinants of genetic variation across eco-evolutionary scales in pinnipeds. Nature Ecology and Evolution, 2020, 4, 1095-1104.	7.8	47
68	Fatty Acid Transport in Cartilaginous Fish: Absence of Albumin and Possible Utilization of Lipoproteins. Fish Physiology and Biochemistry, 2005, 31, 55-64.	2.3	46
69	Delineating the roles of males and females in sperm competition. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20132047.	2.6	46
70	Natural sex change in fish. Current Topics in Developmental Biology, 2019, 134, 71-117.	2.2	44
71	Comment on "Avian Extinction and Mammalian Introductions on Oceanic Islands". Science, 2005, 307, 1412a-1412a.	12.6	43
72	Using ecological niche modelling to infer past, present and future environmental suitability for Leiopelma hochstetteri, an endangered New Zealand native frog. Biological Conservation, 2010, 143, 1375-1384.	4.1	43

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73	Resistance to natural and synthetic gene drive systems. Journal of Evolutionary Biology, 2020, 33, 1345-1360.	1.7	43
74	Towards the Optimization of eDNA/eRNA Sampling Technologies for Marine Biosecurity Surveillance. Water (Switzerland), 2021, 13, 1113.	2.7	43
75	Conservation of Human Microsatellites across 450 Million Years of Evolution. Genome Biology and Evolution, 2010, 2, 153-165.	2.5	41
76	Host isolation and patterns of genetic variability in three populations of Teladorsagia from sheep. International Journal for Parasitology, 2004, 34, 1197-1204.	3.1	40
77	Mitochondrial mutations may decrease population viability. Trends in Ecology and Evolution, 2001, 16, 115-117.	8.7	39
78	Mitochondrial mutations may drive Y chromosome evolution. BioEssays, 2002, 24, 275-279.	2.5	37
79	Phylogenetic relationships within the class mammalia: A study using mitochondrial 12S RNA sequences. Journal of Mammalian Evolution, 1994, 2, 3-23.	1.8	36
80	Promoter Microsatellites as Modulators of Human Gene Expression. Advances in Experimental Medicine and Biology, 2012, 769, 41-54.	1.6	36
81	De novo draft assembly of the Botrylloides leachii genome provides further insight into tunicate evolution. Scientific Reports, 2018, 8, 5518.	3.3	36
82	Phylogeography of Leiopelma hochstetteri reveals strong genetic structure and suggests new conservation priorities. Conservation Genetics, 2010, 11, 907-919.	1.5	35
83	Behavioural Responses of Dusky Dolphin Groups (Lagenorhynchus obscurus) to Tour Vessels off Kaikoura, New Zealand. PLoS ONE, 2012, 7, e41969.	2.5	35
84	The Strength and Timing of the Mitochondrial Bottleneck in Salmon Suggests a Conserved Mechanism in Vertebrates. PLoS ONE, 2011, 6, e20522.	2.5	34
85	Uncovering the pathways underlying whole body regeneration in a chordate model, Botrylloides leachi using de novo transcriptome analysis. BMC Genomics, 2016, 17, 114.	2.8	34
86	Sperm competition risk drives rapid ejaculate adjustments mediated by seminal fluid. ELife, 2017, 6, .	6.0	34
87	Evidence that fertility trades off with early offspring fitness as males age. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172174.	2.6	33
88	The Relationship Between Microsatellite Polymorphism and Recombination Hot Spots in the Human Genome. Molecular Biology and Evolution, 2008, 25, 2579-2587.	8.9	32
89	Determining the species status of one of the world's rarest frogs: a conservation dilemma. Animal Conservation, 2001, 4, 29-35.	2.9	31
90	VARIATION IN MICROSATELLITES AND mtDNA ACROSS THE RANGE OF THE STELLER SEA LION, EUMETOPIAS JUBATUS. Journal of Mammalogy, 2004, 85, 338-346.	1.3	30

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91	Measuring Microsatellite Conservation in Mammalian Evolution with a Phylogenetic Birthâ€“Death Model. Genome Biology and Evolution, 2012, 4, 636-647.	2.5	30
92	Heterozygote advantage at <scp>MHC </scp><scp>DRB</scp> may influence response to infectious disease epizootics. Molecular Ecology, 2015, 24, 1419-1432.	3.9	30
93	Sperm traits in Chinook salmon depend upon activation medium: implications for studies of sperm competition in fishes. Canadian Journal of Zoology, 2009, 87, 920-927.	1.0	29
94	Correlation between Male Social Status, Testosterone Levels, and Parasitism in a Dimorphic Polygynous Mammal. PLoS ONE, 2010, 5, e12507.	2.5	29
95	Sexual selection for genetic compatibility: the role of the major histocompatibility complex on cryptic female choice in Chinook salmon (Oncorhynchus tshawytscha). Heredity, 2017, 118, 442-452.	2.6	29
96	Female Mimicry by Sneaker Males Has a Transcriptomic Signature in Both the Brain and the Gonad in a Sex-Changing Fish. Molecular Biology and Evolution, 2018, 35, 225-241.	8.9	29
97	PROJECTILE BIOPSY SAMPLING OF FUR SEALS. Marine Mammal Science, 1997, 13, 512-516.	1.8	28
98	Moa were many. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, S430-2.	2.6	28
99	Lost in the zygote: the dilution of paternal mtDNA upon fertilization. Heredity, 2008, 101, 429-434.	2.6	28
100	High frequency of microsatellites in S. cerevisiae meiotic recombination hotspots. BMC Genomics, 2008, 9, 49.	2.8	28
101	Extensive variation at MHC DRB in the New Zealand sea lion (Phocarctos hookeri) provides evidence for balancing selection. Heredity, 2013, 111, 44-56.	2.6	28
102	Analysis of the genome of the New Zealand giant collembolan (Holacanthella duospinosa) sheds light on hexapod evolution. BMC Genomics, 2017, 18, 795.	2.8	28
103	Genome-wide DNA methylation analysis of heavy cannabis exposure in a New Zealand longitudinal cohort. Translational Psychiatry, 2020, 10, 114.	4.8	28
104	Proteomic Analysis of Chinook Salmon (Oncorhynchus tshawytscha) Ovarian Fluid. PLoS ONE, 2014, 9, e104155.	2.5	28
105	The Trojan female technique: a novel, effective and humane approach for pest population control. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20132549.	2.6	27
106	From evolutionary bystander to master manipulator: the emerging roles for the mitochondrial genome as a modulator of nuclear gene expression. European Journal of Human Genetics, 2013, 21, 1335-1337.	2.8	27
107	Emerging Technologies to Conserve Biodiversity: Further Opportunities via Genomics. Response to Pimm et al.. Trends in Ecology and Evolution, 2016, 31, 171-172.	8.7	27
108	Fine-scale genetic structure of mainland invasive Rattus rattus populations: implications for restoration of forested conservation areas in New Zealand. Conservation Genetics, 2010, 11, 1953-1964.	1.5	26

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109	Both CpG Methylation and Activation-Induced Deaminase Are Required for the Fragility of the Human bcl-2 Major Breakpoint Region: Implications for the Timing of the Breaks in the t(14;18) Translocation. Molecular and Cellular Biology, 2013, 33, 947-957.	2.3	26
110	The <scp>T</scp>rojan <scp>F</scp>emale <scp>T</scp>echnique for pest control: a candidate mitochondrial mutation confers low male fertility across diverse nuclear backgrounds in <scp>D</scp>rosophila melanogaster. Evolutionary Applications, 2015, 8, 871-880.	3.1	26
111	Colony growth and pup condition of the New Zealand fur seal (Arctocephalus forsteri) on the Kaikoura coastline compared with other east coast colonies. Wildlife Research, 2006, 33, 497.	1.4	25
112	Delimiting the Frequency of Paternal Leakage of Mitochondrial DNA in Chinook Salmon. Genetics, 2008, 179, 1029-1032.	2.9	25
113	Molecular phylogenetics and biogeography of the nacellid limpets of New Zealand (Mollusca:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.7	24
114	Low to moderate levels of genetic differentiation detected across the distribution of the New Zealand abalone, Haliotis iris. Marine Biology, 2011, 158, 1417-1429.	1.5	24
115	The Accuracy, Feasibility and Challenges of Sequencing Short Tandem Repeats Using Next-Generation Sequencing Platforms. PLoS ONE, 2014, 9, e113862.	2.5	24
116	Hiding in broad daylight: molecular and morphological data reveal a new ocean sunfish species (Tetraodontiformes: Molidae) that has eluded recognition. Zoological Journal of the Linnean Society, 2018, 182, 631-658.	2.3	24
117	Purifying Selection in Corvids Is Less Efficient on Islands. Molecular Biology and Evolution, 2020, 37, 469-474.	8.9	24
118	Introduction of a male-harming mitochondrial haplotype via â€˜Trojan Femalesâ€™ achieves population suppression in fruit flies. ELife, 2017, 6, .	6.0	24
119	Changes in Methylation Patterns of Kiss1 and Kiss1r Gene Promoters across Puberty. Genetics & Epigenetics, 2013, 5, GEG.S12897.	2.5	23
120	Mitonuclear interactions, mtDNA-mediated thermal plasticity and implications for the Trojan Female Technique for pest control. Scientific Reports, 2016, 6, 30016.	3.3	23
121	Slippery when wet: cross-species transmission of divergent coronaviruses in bony and jawless fish and the evolutionary history of the Coronaviridae. Virus Evolution, 2021, 7, veab050.	4.9	23
122	Colonisation and connectivity by intertidal limpets among New Zealand, Chatham and Sub-Antarctic Islands. I. Genetic connections. Marine Ecology - Progress Series, 2009, 388, 111-119.	1.9	23
123	Conservation and diversity in expression of candidate genes regulating socially-induced female-male sex change in wrasses. PeerJ, 2019, 7, e7032.	2.0	23
124	Telomere length change in European sea bass (Dicentrarchus labrax). Australian Journal of Zoology, 2008, 56, 207.	1.0	21
125	Identification of sex differences in zebrafish (Danio rerio) brains during early sexual differentiation and masculinization using 17Î±-methyltestoteroneâ€. Biology of Reproduction, 2018, 99, 446-460.	2.7	21
126	Detecting Microsatellites in Genome Data: Variance in Definitions and Bioinformatic Approaches Cause Systematic Bias. Evolutionary Bioinformatics, 2008, 4, EBO.S420.	1.2	20

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127	Molecular evolution of Dmrt1 accompanies change of sex-determining mechanisms in reptilia. Biology Letters, 2014, 10, 20140809.	2.3	20
128	Abundance, arrangement, and function of sequence motifs in the chicken promoters. BMC Genomics, 2014, 15, 900.	2.8	19
129	Can Indirect Tests Detect a Known Recombination Event in Human mtDNA?. Molecular Biology and Evolution, 2009, 26, 1435-1439.	8.9	18
130	Analyses of the mitochondrial genome of Leiopelma hochstetteri argues against the full drowning of New Zealand. Journal of Biogeography, 2015, 42, 1066-1076.	3.0	18
131	Kin selection may influence fostering behaviour in Antarctic fur seals (Arctocephalus gazella). Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 2033-2037.	2.6	17
132	Discovery and spatial assessment of a Hochstetter's frog(Leiopelma hochstetteri)population found in Maungatautari Scenic Reserve, New Zealand. New Zealand Journal of Zoology, 2006, 33, 147-156.	1.1	17
133	Association of poly-purine/poly-pyrimidine sequences with meiotic recombination hot spots. BMC Genomics, 2006, 7, 179.	2.8	17
134	Dusky dolphin movement patterns: short-term effects of tourism. New Zealand Journal of Marine and Freshwater Research, 2013, 47, 430-449.	2.0	17
135	Mitochondrial replacement therapy: Cautiously replace the master manipulator. BioEssays, 2015, 37, 584-585.	2.5	17
136	mtDNA polymorphism and metabolic inhibition affect sperm performance in conplastic mice. Reproduction, 2017, 154, 341-354.	2.6	17
137	Genetic sex assignment in wild populations using genotypingâ€byâ€sequencing data: A statistical threshold approach. Molecular Ecology Resources, 2018, 18, 179-190.	4.8	17
138	Microsatellite Analysis of Population Structure in the Endangered Hawaiian Monk Seal. Conservation Biology, 2001, 15, 457-466.	4.7	16
139	Eve ?n? Steve: recombination of human mitochondrial DNA. Trends in Ecology and Evolution, 2004, 19, 561-563.	8.7	16
140	Evidence of two deeply divergent co-existing mitochondrial genomes in the Tuatara reveals an extremely complex genomic organization. Communications Biology, 2021, 4, 116.	4.4	16
141	HAIR SAMPLING AND GENOTYPING FROM HAIR FOLLICLES: A MINIMALLY-INVASIVE ALTERNATIVE FOR GENETICS STUDIES IN SMALL, MOBILE PINNIPEDS AND OTHER MAMMALS. Marine Mammal Science, 2007, 23, 184-192.	1.8	15
142	Evolutionary Footprints of Short Tandem Repeats in Avian Promoters. Scientific Reports, 2016, 6, 19421.	3.3	15
143	Myth or relict: Does ancient DNA detect the enigmatic Upland seal?. Molecular Phylogenetics and Evolution, 2016, 97, 101-106.	2.7	15
144	Adipose transcriptome analysis provides novel insights into molecular regulation of prolonged fasting in northern elephant seal pups. Physiological Genomics, 2018, 50, 495-503.	2.3	15

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145	Publication success inNature andScience is not gender dependent. BioEssays, 2005, 27, 858-859.	2.5	14
146	Innovative pandanus-tool folding by New Caledonian crows. Australian Journal of Zoology, 2007, 55, 291.	1.0	14
147	Phylogeography of the New Zealand blue duck (Hymenolaimus malacorhynchos): implications for translocation and species recovery. Conservation Genetics, 2007, 8, 1431-1440.	1.5	14
148	Combining allele-specific fluorescent probes and restriction assay in real-time PCR to achieve SNP scoring beyond allele ratios of 1:1000. BioTechniques, 2008, 44, 193-199.	1.8	14
149	Genetic Evidence of a Population Bottleneck and Inbreeding in the Endangered New Zealand Sea Lion,Phocarctos hookeri. Journal of Heredity, 2016, 107, 392-402.	2.4	14
150	Strong isolation by distance argues for separate population management of endangered blue duck (Hymenolaimus malacorhynchos). Conservation Genetics, 2017, 18, 327-341.	1.5	14
151	The effects of transcription and recombination on mutational dynamics of short tandem repeats. Nucleic Acids Research, 2018, 46, 1321-1330.	14.5	14
152	The Role and Presence of a Guide: Preliminary Findings from Swim with Seal Programs and Land-Based Seal Viewing in New Zealand. Tourism in Marine Environments, 2008, 5, 187-199.	0.4	14
153	DNA from mollusc shell: a valuable and underutilised substrate for genetic analyses. PeerJ, 2020, 8, e9420.	2.0	14
154	Alternative mating tactics in the New Zealand fur seal (Arctocephalus forsteri): when non-territorial males are successful too. Australian Journal of Zoology, 2009, 57, 409.	1.0	13
155	Gene Drives and Rodent Control: Response to Piaggio et al.. Trends in Ecology and Evolution, 2017, 32, 314-315.	8.7	13
156	Molecular structure of sauropsid Î²-keratins from tuatara (Sphenodon punctatus). Journal of Structural Biology, 2019, 207, 21-28.	2.8	13
157	Population Genetic Structure and Colonisation History of the Tool-Using New Caledonian Crow. PLoS ONE, 2012, 7, e36608.	2.5	12
158	Low Spatial Genetic Differentiation Associated with Rapid Recolonization in the New Zealand Fur SealArctocephalus forsteri. Journal of Heredity, 2016, 107, 581-592.	2.4	12
159	Repetitive DNA: genomic dark matter matters. Nature Reviews Genetics, 2021, 22, 342-342.	16.3	12
160	The Adaptiveness of Host Behavioural Manipulation Assessed Using Tinbergenâ€™s Four Questions. Trends in Parasitology, 2021, 37, 597-609.	3.3	12
161	Using Temporal Sampling to Improve Attribution of Source Populations for Invasive Species. PLoS ONE, 2013, 8, e65656.	2.5	12
162	Development of microsatellite markers for the short-beaked echidna using three different approaches. Australian Journal of Zoology, 2009, 57, 219.	1.0	11

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163	Microsatellite polymorphisms associated with human behavioural and psychological phenotypes including a gene-environment interaction. BMC Medical Genetics, 2017, 18, 12.	2.1	11
164	A validation of Illumina EPIC array system with bisulfite-based amplicon sequencing. PeerJ, 2021, 9, e10762.	2.0	11
165	Evolution of the â€œworldâ€™s only alpine parrotâ€: Genomic adaptation or phenotypic plasticity, behaviour and ecology?. Molecular Ecology, 2021, 30, 6370-6386.	3.9	11
166	Crossing the Tasman Sea: Inferring the introduction history ofLitoria aureaandLitoria raniformis(Anura: Hylidae) from Australia into New Zealand. Austral Ecology, 2008, 33, 623-629.	1.5	10
167	Striatal mRNA expression patterns underlying peak dose l-DOPA-induced dyskinesia in the 6-OHDA hemiparkinsonian rat. Neuroscience, 2016, 324, 238-251.	2.3	10
168	Ovarian fluid proteome variation associates with sperm swimming speed in an externally fertilizing fish. Journal of Evolutionary Biology, 2020, 33, 1783-1794.	1.7	10
169	Comparison of Reptilian Genomes Reveals Deletions Associated with the Natural Loss of Î³Î´ T Cells in Squamates. Journal of Immunology, 2022, 208, 1960-1967.	0.8	10
170	Cloning and characterization of the platypus mitochondrial genome. Journal of Molecular Evolution, 1994, 39, 200-205.	1.8	10
171	Development of a predicted physical map of microsatellite locus positions for pinnipeds, with wider applicability to the Carnivora. Molecular Ecology Resources, 2011, 11, 503-513.	4.8	9
172	Broad-scale genetic patterns of New Zealand abalone, Haliotis iris, across a distribution spanning 13Â° latitude and major oceanic water masses. Genetica, 2015, 143, 487-500.	1.1	9
173	Exploring possible DNA structures in real-time polymerase kinetics using Pacific Biosciences sequencer data. BMC Bioinformatics, 2015, 16, 21.	2.6	9
174	Maleâ€“female relatedness at specific SNP-linkage groups influences cryptic female choice in Chinook salmon (Oncorhynchus tshawytscha). Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170853.	2.6	9
175	Reduced representation sequencing detects only subtle regional structure in a heavily exploited and rapidly recolonizing marine mammal species. Ecology and Evolution, 2018, 8, 8736-8749.	1.9	9
176	The association between mitochondrial genetic variation and reduced colony fitness in an invasive wasp. Molecular Ecology, 2019, 28, 3324-3338.	3.9	9
177	Determining Platypus Relationships. Australian Journal of Zoology, 1995, 43, 283.	1.0	8
178	Sexual genotype markers absent from small numbers of male New Zealand Oncorhynchus tshawytscha. Journal of Fish Biology, 2006, 68, 136-143.	1.6	8
179	Development of polymorphic microsatellite markers for the New Zealand black stilt (Himantopus) Tj ETQq1 1 0.784314 rgBT /Ove	4.8	8
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