Graham P Wallis

List of Publications by Year
in descending order

116 papers	4,906 citations	53794 45 h-index	106344 65 g-index
117 all docs	117 docs citations	117 times ranked	3828 citing authors

#	Article	IF	Citations
1	New Zealand phylogeography: evolution on a small continent. Molecular Ecology, 2009, 18, 3548-3580.	3.9	217
2	GENES MEET GEOLOGY: FISH PHYLOGEOGRAPHIC PATTERN REFLECTS ANCIENT, RATHER THAN MODERN, DRAINAGE CONNECTIONS. Evolution; International Journal of Organic Evolution, 2001, 55, 1844-1851.	2.3	158
3	Biogeography of a southern hemisphere freshwater fish: how important is marine dispersal?. Molecular Ecology, 2000, 9, 1815-1821.	3.9	150
4	Oral Infection of Aedes Aegypti with Yellow Fever Virus: Geographic Variation and Genetic Considerations. American Journal of Tropical Medicine and Hygiene, 1985, 34, 1219-1224.	1.4	134
5	Phylogeographical pattern correlates with Pliocene mountain building in the alpine scree weta (Orthoptera, Anostostomatidae). Molecular Ecology, 2000, 9, 657-666.	3.9	120
6	Molecular Phylogenetics and Biogeography of Galaxiid Fishes (Osteichthyes: Galaxiidae): Dispersal, Vicariance, and the Position of Lepidogalaxias salamandroides. Systematic Biology, 2000, 49, 777-795.	5.6	120
7	Transverse Alpine Speciation Driven by Glaciation. Trends in Ecology and Evolution, 2016, 31, 916-926.	8.7	116
8	BRIDGING THE "BEECH-GAP": NEW ZEALAND INVERTEBRATE PHYLOGEOGRAPHY IMPLICATES PLEISTOCENE GLACIATION AND PLIOCENE ISOLATION. Evolution; International Journal of Organic Evolution, 2001, 55, 2170-2180.	2.3	110
9	CLADOGENESIS AND LOSS OF THE MARINE LIFE-HISTORY PHASE IN FRESHWATER GALAXIID FISHES (OSMERIFORMES: GALAXIIDAE). Evolution; International Journal of Organic Evolution, 2001, 55, 587.	2.3	104
10	Mitochondrial DNA insertion polymorphism and germ line heteroplasmy in the Triturus cristatus complex. Heredity, 1987, 58, 229-238.	2.6	99
11	BRIDGING THE â€œBEECH-GAPâ€• NEW ZEALAND INVERTEBRATE PHYLOGEOGRAPHY IMPLICATES PLEISTOCENE GLACIATION AND PLIOCENE ISOLATION. Evolution; International Journal of Organic Evolution, 2001, 55, 2170.	2.3	96
12	Inbreeding and Endangered Species Management: Is New Zealand Out of Step with the Rest of the World?. Conservation Biology, 2006, 20, 38-47.	4.7	96
13	Episodic Positive Selection in the Evolution of Avian Toll-Like Receptor Innate Immunity Genes. PLoS ONE, 2014, 9, e89632.	2.5	86
14	Seabird and Louse Coevolution: Complex Histories Revealed by 12S rRNA Sequences and Reconciliation Analyses. Systematic Biology, 2000, 49, 383-399.	5.6	84
15	MITOCHONDRIAL-DNA VARIATION IN THE CRESTED NEWT SUPERSPECIES: LIMITED CYTOPLASMIC GENE FLOW AMONG SPECIES. Evolution; International Journal of Organic Evolution, 1989, 43, 88-104.	2.3	83
16	Genetic drift outweighs natural selection at tollâ€like receptor (<scp>TLR</scp>) immunity loci in a reâ€introduced population of a threatened species. Molecular Ecology, 2013, 22, 4470-4482.	3.9	76
17	Mitochondrial DNA phylogenetics of the Galaxias vulgaris complex from South Island, New Zealand: rapid radiation of a species flock. Journal of Fish Biology, 2001, 58, 1166-1180.	1.6	75
18	ASYMMETRIC VIABILITY OF RECIPROCAL-CROSS HYBRIDS BETWEEN CRESTED AND MARBLED NEWTS (TRITURUS CRISTATUSANDT. MARMORATUS). Evolution; International Journal of Organic Evolution, 2009, 63, 1191-1202.	2.3	75

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19	Description and redescription ofGalaxiasspecies (Teleostei: Galaxiidae) from Otago and Southland. Journal of the Royal Society of New Zealand, 1996, 26, 401-427.	1.9	74
20	Across the Southern Alps by river capture? Freshwater fish phylogeography in South Island, New Zealand. Molecular Ecology, 2000, 9, 1577-1582.	3.9	74
21	Rapid biological speciation driven by tectonic evolution in New Zealand. Nature Geoscience, 2016, 9, 140-144.	12.9	74
22	Genetic variation and diadromy in some native New Zealand galaxiids (Teleostei: Galaxiidae). Biological Journal of the Linnean Society, 1993, 50, 19-33.	1.6	73
23	Gene Trees versus Species Trees: Reassessing Life-History Evolution in a Freshwater Fish Radiation. Systematic Biology, 2010, 59, 504-517.	5.6	72
24	Do insects lose flight before they lose their wings? Population genetic structure in subalpine stoneflies. Molecular Ecology, 2009, 18, 4073-4087.	3.9	70
25	Parasites, petrels and penguins: Does louse presence reflect seabird phylogeny?. International Journal for Parasitology, 1993, 23, 515-526.	3.1	69
26	The Effect of Colonization upon Aedes Aegypti Susceptibility to Oral Infection with Yellow Fever Virus *. American Journal of Tropical Medicine and Hygiene, 1984, 33, 690-694.	1.4	67
27	A time-calibrated phylogeny of southern hemisphere stoneflies: Testing for Gondwanan origins. Molecular Phylogenetics and Evolution, 2016, 96, 150-160.	2.7	66
28	Isozyme analysis of Galaxias species (Teleostei: Galaxiidae) from the Taieri River, South Island, New Zealand: a species complex revealed. Biological Journal of the Linnean Society, 1996, 57, 107-127.	1.6	65
29	Geographic variation and taxonomy of crested newts (Triturus cristatus superspecies): morphological and mitochondrial DNA data. Contributions To Zoology, 1999, 68, 181-203.	0.5	64
30	Heterozygosityâ€“fitness correlations and their relevance to studies on inbreeding depression in threatened species. Molecular Ecology, 2008, 17, 3978-3984.	3.9	64
31	Geological Dates and Molecular Rates: Rapid Divergence of Rivers and Their Biotas. Systematic Biology, 2007, 56, 271-282.	5.6	63
32	Variation at Innate Immunity Toll-Like Receptor Genes in a Bottlenecked Population of a New Zealand Robin. PLoS ONE, 2012, 7, e45011.	2.5	62
33	Preserving genetic diversity in threatened species reintroductions: how many individuals should be released?. Animal Conservation, 2011, 14, 439-446.	2.9	61
34	Interspecific hybridization causes longâ€term phylogenetic discordance between nuclear and mitochondrial genomes in freshwater fishes. Molecular Ecology, 2017, 26, 3116-3127.	3.9	61
35	Phylogenetic Relationships of the Prodontria (Coleoptera; Scarabaeidae; Subfamily Melolonthinae), Derived from Sequence Variation in the Mitochondrial Cytochrome Oxidase II Gene. Molecular Phylogenetics and Evolution, 1995, 4, 433-447.	2.7	59
36	Mitochondrial phylogeography of New Zealand freshwater crayfishes, Paranephrops spp.. Molecular Ecology, 2007, 16, 1897-1908.	3.9	59

#	ARTICLE	IF	CITATIONS
37	Mitochondrial-DNA Variation in the Crested Newt Superspecies: Limited Cytoplasmic Gene flow Among Species. Evolution; International Journal of Organic Evolution, 1989, 43, 88.	2.3	58
38	Whither ecology?. Trends in Ecology and Evolution, 1997, 12, 446.	8.7	58
39	The modality of nineTriturusnewt hybrid zones assessed with nuclear, mitochondrial and morphological data. Biological Journal of the Linnean Society, 2014, 113, 604-622.	1.6	57
40	Macrogeographic genetic variation in a human commensal:Aedes aegypti, the yellow fever mosquito. Genetical Research, 1983, 41, 241-258.	0.9	53
41	A COMPARISON OF FIVE HYBRID ZONES OF THE WETA HEMIDEINA THORACICA (ORTHOPTERA:) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Evolution; International Journal of Organic Evolution, 2003, 57, 849-861.	2.3	49
42	ONSET OF GLACIATION DROVE SIMULTANEOUS VICARIANT ISOLATION OF ALPINE INSECTS IN NEW ZEALAND. Evolution; International Journal of Organic Evolution, 2010, 64, 2033-43.	2.3	49
43	Historic and contemporary levels of genetic variation in two New Zealand passerines with different histories of decline. Journal of Evolutionary Biology, 2007, 20, 2035-2047.	1.7	48
44	Chromosome races with Pliocene origins: evidence from mtDNA. Heredity, 2001, 86, 303-312.	2.6	47
45	Phylogenetic Placement of Retropinnid Fishes: Data Set Incongruence Can Be Reduced by Using Asymmetric Character State Transformation Costs. Systematic Biology, 2002, 51, 432-449.	5.6	47
46	Genetic diversity in New Zealand Galaxias vulgaris sensu lato (Teleostei: Osmeriformes: Galaxiidae): a test of a biogeographic hypothesis. Journal of Biogeography, 2008, 28, 59-67.	3.0	47
47	A review of genetic analyses of hybridisation in New Zealand. Journal of the Royal Society of New Zealand, 2009, 39, 15-34.	1.9	47
48	PENGUINS, PETRELS, AND PARSIMONY: DOES CLADISTIC ANALYSIS OF BEHAVIOR REFLECT SEABIRD PHYLOGENY?. Evolution; International Journal of Organic Evolution, 1995, 49, 974-989.	2.3	46
49	Does wing size shape insect biogeography? Evidence from a diverse regional stonefly assemblage. Global Ecology and Biogeography, 2017, 26, 93-101.	5.8	42
50	An electrophoretic study of the systematic relationships of some closely related goby species (Pisces,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	41
51	The Invertebrate Life of New Zealand: A Phylogeographic Approach. Insects, 2011, 2, 297-325.	2.2	41
52	Genetic and morphological evidence for reproductive isolation between sympatric populations of Galaxias (Teleostei: Galaxiidae) in South Island, New Zealand. Biological Journal of the Linnean Society, 2001, 73, 287-298.	1.6	40
53	Going under down under? Lineage ages argue for extensive survival of the Oligocene marine transgression on Zealandia. Molecular Ecology, 2018, 27, 4368-4396.	3.9	39
54	Selection for Susceptibility and Refractoriness of Aedes Aegypti to Oral Infection with Yellow Fever Virus. American Journal of Tropical Medicine and Hygiene, 1985, 34, 1225-1231.	1.4	39

#	Article	IF	Citations
55	Title is missing!. Conservation Genetics, 2000, 1, 329-339.	1.5	38
56	Geological subsidence, river capture, and cladogenesis of galaxiid fish lineages in central New Zealand. Biological Journal of the Linnean Society, 2006, 88, 367-376.	1.6	37
57	Biogeography Off the Tracks. Systematic Biology, 2013, 62, 494-498.	5.6	35
58	Niche partitioning and the effect of interspecific competition on microhabitat use by two sympatric galaxiid stream fishes. Freshwater Biology, 2010, 55, 967-982.	2.4	34
59	Penguins, Petrels, and Parsimony: Does Cladistic Analysis of Behavior Reflect Seabird Phylogeny?. Evolution; International Journal of Organic Evolution, 1995, 49, 974.	2.3	33
60	Genetic Heterogeneity among Caribbean Populations of Aedes aegypti. American Journal of Tropical Medicine and Hygiene, 1984, 33, 492-498.	1.4	33
61	Genetic differentiation in the New Zealand sea urchinEvechinus chloroticus(Echinodermata:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	32
62	Evolution and the Aquatic Ecosystem: Defining Unique Units in Population Conservation. Copeia, 1997, 1997, 636.	1.3	31
63	Characterization of a hybrid zone between two chromosomal races of the weta Hemideina thoracica following a geologically recent volcanic eruption. Heredity, 2000, 85, 586-592.	2.6	28
64	Finding Fault with Vicariance: A Critique of Heads (1998). Systematic Biology, 2001, 50, 602-609.	5.6	28
65	Genetic divergence in four species of the genus Raphanus: Implications for the ancestry of the domestic radish R. sativus. Biological Journal of the Linnean Society, 1982, 18, 35-48.	1.6	26
66	Identification of a hybrid zone between distinctive colour variants of the alpine weta Hemideina maori (Orthoptera: Stenopelmatidae) on the Rock and Pillar range, southern New Zealand. Molecular Ecology, 1996, 5, 583-587.	3.9	23
67	Genetic variation and environmental heterogeneity in some closely related goby species. Genetica, 1984, 62, 223-237.	1.1	22
68	Species status and population genetic structure of the flightless chafer beetles Prodontria modesta and P. bicolorata (Coleoptera; Scarabaeidae) from South Island, New Zealand. Molecular Ecology, 1994, 3, 339-345.	3.9	21
69	Population genetics and conservation in New Zealand: A hierarchical synthesis and recommendations for the 1990s. Journal of the Royal Society of New Zealand, 1994, 24, 143-160.	1.9	21
70	Brief communication. Heteroplasmy of mitochondrial DNA in the iphiuroid Astrobrachion constrictum. , 2000, 91, 146-149.		21
71	Geology shapes biogeography: Quaternary river-capture explains New Zealand's biologically â€˜compositeâ€™ Taieri River. Quaternary Science Reviews, 2015, 120, 47-56.	3.0	21
72	Genetic Evidence for Naturally Occuring Fertile Hybrids Between Two Goby Species, Pomatoschistus minutus and P. Ioszanoi (Pisces, Gobiidae). Marine Ecology - Progress Series, 1980, 3, 309-315.	1.9	21

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73	The distribution and conservation status of the Danube crested newt, Triturus dobrogicus. Amphibia - Reptilia, 1997, 18, 133-142.	0.5	20
74	Phylogeographic genetic analysis of the alpine weta,Hemideina maori<scp>:</scp>evolution of a colour polymorphism and origins of a hybrid zone. Journal of the Royal Society of New Zealand, 2003, 33, 715-729.	1.9	18
75	Length-weight relationships in some populations and species of Iranian toothcarps. Journal of Applied Ichthyology, 2011, 27, 1401-1403.	0.7	18
76	Do animal mitochondrial genomes recombine?. Trends in Ecology and Evolution, 1999, 14, 209-210.	8.7	17
77	Morphological and genetic analysis ofGalaxiasâ€˜southernâ€™ andG. gollumoides:interspecific differentiation and intraspecific structuring. Journal of the Royal Society of New Zealand, 2009, 39, 43-62.	1.9	16
78	Evolution of the Taieri River catchment, East Otago, New Zealand. New Zealand Journal of Geology, and Geophysics, 2016, 59, 257-273.	1.8	16
79	Purine nucleoside phosphorylase variation in the brook lamprey, Lampetra planeri (Bloch) (Petromyzone, Agnatha): Evidence for a trimeric enzyme structure. Biochemical Genetics, 1979, 17, 251-256.	1.7	14
80	Fineâ€scale genetic structuring in endemic galaxiid fish populations of the Taieri River. New Zealand Journal of Zoology, 1998, 25, 17-22.	1.1	14
81	Finding Fault with Vicariance: A Critique of Heads (1998). Systematic Biology, 2001, 50, 602-609.	5.6	13
82	Withinâ€river genetic connectivity patterns reflect contrasting geomorphology. Journal of Biogeography, 2015, 42, 2452-2460.	3.0	13
83	Enzyme variation in the brook lamprey, Lampetra planeri (Bloch), a member of the vertebrate group Agnatha. Genetica, 1981, 55, 67-73.	1.1	12
84	Of lice and men: The return of the â€™comparative parasitologyâ€˜ debate. Parasitology Today, 1995, 11, 158-160.	3.0	12
85	Electrophoretic Analysis of the Ticks Ornithodoros (Pavlovskyella) Erraticus and O. (P.) Sonrai (Acari: Argasidae)1. Journal of Medical Entomology, 1983, 20, 570-571.	1.8	11
86	Characterization of microsatellite loci from a New Zealand freshwater fish (Galaxias vulgaris) and their potential for analysis of hybridization in Galaxiidae. Molecular Ecology, 1999, 8, 1080-1082.	3.9	11
87	Genetic variation and diadromy in some native New Zealand galaxiids (Teleostei: Galaxiidae). Biological Journal of the Linnean Society, 1993, 50, 19-33.	1.6	11
88	CLADOGENESIS AND LOSS OF THE MARINE LIFE-HISTORY PHASE IN FRESHWATER GALAXIID FISHES (OSMERIFORMES: GALAXIIDAE). Evolution; International Journal of Organic Evolution, 2007, 55, 587-597.	2.3	10
89	Biological memory of the first Pleistocene glaciation in New Zealand. Geology, 2017, 45, 595-598.	4.4	10
90	GENES MEET GEOLOGY: FISH PHYLOGEOGRAPHIC PATTERN REFLECTS ANCIENT, RATHER THAN MODERN, DRAINAGE CONNECTIONS. Evolution; International Journal of Organic Evolution, 2001, 55, 1844.	2.3	9

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91	Genetic differentiation between populations of Pomatoschistus minutus from the Bristol Channel and the Adriatic. Genetica, 1983, 62, 75-80.	1.1	8
92	Biogeographic area relationships in southern New Zealand: a cladistic analysis of Lepidoptera distributions. Journal of Biogeography, 1997, 24, 89-99.	3.0	8
93	Evidence of amictic reproduction in the brittle-star Ophiomyxa brevirima. Marine Biology, 1997, 129, 169-174.	1.5	8
94	Isolation and characterization of a cDNA for gonadotropin II-Î² of Pacific herring, an ancient teleost. Journal of Fish Biology, 1997, 50, 315-323.	1.6	8
95	Preliminary molecular analysis ofPelecanoides georgicus(Procellariiformes: Pelecanoididae) on Whenua Hou (Codfish Island): Implications for its taxonomic status. New Zealand Journal of Zoology, 2000, 27, 415-423.	1.1	7
96	The winners: species that have benefited from 30 years of conservation action. Journal of the Royal Society of New Zealand, 2019, 49, 281-300.	1.9	7
97	Genetic and morphological evidence for reproductive isolation between sympatric populations of Galaxias (Teleostei: Galaxiidae) in South Island, New Zealand. Biological Journal of the Linnean Society, 2001, 73, 287-298.	1.6	7
98	Experimental hybridization of alpine and lowland forms of Boeckella dilatata, a calanoid copepod. Heredity, 1993, 71, 508-515.	2.6	6
99	Mitochondrial recombination or coevolution of sites?. Trends in Ecology and Evolution, 2000, 15, 470-471.	8.7	6
100	Thirty years of conservation genetics in New Zealand: what have we learnt?. Journal of the Royal Society of New Zealand, 2019, 49, 320-346.	1.9	6
101	Persisting in a glaciated landscape: Pleistocene microrefugia evidenced by the tree wÄ“tÄ•Hemideina maori in central South Island, New Zealand. Journal of Biogeography, 2020, 47, 2518-2531.	3.0	6
102	Linkage of an IDH locus with sex and two lethals in Aedes aegypti. Journal of Heredity, 1982, 73, 291-294.	2.4	5
103	A biochemical genetic and morphological investigation of the species within the genus Endeis Philippe (Pycnogonida : Endeidae) in Britain. Journal of Experimental Marine Biology and Ecology, 1986, 98, 115-128.	1.5	4
104	Preliminary genetic analysis of koaro(Galaxias brevipinnis)in New Zealand lakes: Evidence for allopatric differentiation among lakes but little population subdivision within lakes. Journal of the Royal Society of New Zealand, 2003, 33, 591-600.	1.9	4
105	Extreme Positive Selection on a New Highly-Expressed Larval Glycoprotein (LGP) Gene in Galaxias Fishes (Osmeriformes: Galaxiidae). Molecular Biology and Evolution, 2011, 28, 399-406.	8.9	4
106	Taxonomic validity and phylogenetic relationships of a newly-described tooth-carp, Aphanius mesopotamicus Coad, 2009 (Teleostei: Cyprinodontidae). Zootaxa, 2014, 3780, 594.	0.5	4
107	Behavioural evolution in penguins does not reflect phylogeny. Cladistics, 2014, 30, 243-259.	3.3	3
108	A Review of Galaxias (Galaxiidae) Fossils from the Southern Hemisphere. Diversity, 2020, 12, 208.	1.7	3

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109	Fiord populations ofAstrobrachion constrictum(Ophiuroidea: Asteroschematidae) show little genetic differentiation for mitochondrial DNA. New Zealand Journal of Zoology, 2015, 42, 165-172.	1.1	2
110	First evidence of deviation from Mendelian proportions in a conservation programme. Molecular Ecology, 2021, 30, 3703-3715.	3.9	2
111	DNA Discovery. Science, 1999, 285, 835-835.	12.6	2
112	A COMPARISON OF FIVE HYBRID ZONES OF THE WETA HEMIDEINA THORACICA (ORTHOPTERA:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Evolution; International Journal of Organic Evolution, 2003, 57, 849.	2.3	1
113	A Preliminary Transcriptomic Study of Galaxiid Fishes Reveals a Larval Glycoprotein Gene Under Strong Positive Selection. , 2014, , 47-68.		0
114	Natura Fecit Saltum: Punctuationalism Pervades the Natural Sciences. , 2018, , 341-361.		0
115	Morphological plasticity of the Aden Nerite, Nerita adenensis Mienis, 1978 (Gastropoda: Cycloneritida:) Tj ETQq1 1 0.784314 rgBT /O	0.7	0
116	Evolutionary Genetics and Biogeography of Galaxiid Fishes (Teleostei: Galaxiiformes: Galaxiidae). Diversity, 2021, 13, 153.	1.7	0