Steven A Trewick

List of Publications by Year
in descending order

117 papers	4,521 citations	147566 31 h-index	110170 64 g-index
118 all docs	118 docs citations	118 times ranked	5143 citing authors

#	Article	IF	Citations
1	Sympatric cryptic species in New Zealand Onychophora. Biological Journal of the Linnean Society, 1998, 63, 307-329.	0.7	855
2	Hypothesis testing in biogeography. Trends in Ecology and Evolution, 2011, 26, 66-72.	4.2	281
3	The age and origin of the Pacific islands: a geological overview. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 3293-3308.	1.8	266
4	New Zealand phylogeography: evolution on a small continent. Molecular Ecology, 2009, 18, 3548-3580.	2.0	217
5	Polyploidy, phylogeography and Pleistocene refugia of the rockfern Asplenium ceterach: evidence from chloroplast DNA. Molecular Ecology, 2002, 11, 2003-2012.	2.0	167
6	GUEST EDITORIAL: Hello New Zealand. Journal of Biogeography, 2006, 34, 1-6.	1.4	138
7	Phylogeographical pattern correlates with Pliocene mountain building in the alpine scree weta (Orthoptera, Anostostomatidae). Molecular Ecology, 2000, 9, 657-666.	2.0	120
8	Evolution of New Zealand's terrestrial fauna: a review of molecular evidence. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 3319-3334.	1.8	114
9	Molecular evidence for dispersal rather than vicariance as the origin of flightless insect species on the Chatham Islands, New Zealand. Journal of Biogeography, 2000, 27, 1189-1200.	1.4	112
10	BRIDGING THE "BEECH-GAP": NEW ZEALAND INVERTEBRATE PHYLOGEOGRAPHY IMPLICATES PLEISTOCENE GLACIATION AND PLIOCENE ISOLATION. Evolution; International Journal of Organic Evolution, 2001, 55, 2170-2180.	1.1	110
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.	1.1	96
12	DNA Barcoding is not enough: mismatch of taxonomy and genealogy in New Zealand grasshoppers (Orthoptera: Acrididae).. Cladistics, 2008, 24, 240-254.	1.5	91
13	Molecular evolution and the latitudinal biodiversity gradient. Heredity, 2013, 110, 501-510.	1.2	89
14	Fire and slice: palaeogeography for biogeography at New Zealand's North Island/South Island juncture. Journal of the Royal Society of New Zealand, 2012, 42, 153-183.	1.0	85
15	Deep global evolutionary radiation in birds: Diversification and trait evolution in the cosmopolitan bird family Rallidae. Molecular Phylogenetics and Evolution, 2014, 81, 96-108.	1.2	74
16	After the deluge: mitochondrial DNA indicates Miocene radiation and Pliocene adaptation of tree and giant weta (Orthoptera: Anostostomatidae). Journal of Biogeography, 2005, 32, 295-309.	1.4	71
17	Bird evolution: testing the metaves clade with six new mitochondrial genomes. BMC Evolutionary Biology, 2008, 8, 20.	3.2	70
18	Vicars, tramps and assembly of the New Zealand avifauna: a review of molecular phylogenetic evidence. Ibis, 2010, 152, 226-253.	1.0	52

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19	Interspecific hybridization among Hieracium species in New Zealand: evidence from flow cytometry. Heredity, 2004, 93, 34-42.	1.2	50
20	Geographic parthenogenesis and the common tea-tree stick insect of New Zealand. Molecular Ecology, 2010, 19, 1227-1238.	2.0	48
21	Chromosome races with Pliocene origins: evidence from mtDNA. Heredity, 2001, 86, 303-312.	1.2	47
22	Diversification of New Zealand weta (Orthoptera: Ensifera: Anostostomatidae) and their relationships in Australasia. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 3427-3437.	1.8	47
23	Shifting ranges of two tree weta species (<scp>H</scp>emideina spp.): competitive exclusion and changing climate. Journal of Biogeography, 2014, 41, 524-535.	1.4	42
24	Dispersal and speciation in purple swamphens (Rallidae:Porphyrio). Auk, 2015, 132, 140-155.	0.7	42
25	The Invertebrate Life of New Zealand: A Phylogeographic Approach. Insects, 2011, 2, 297-325.	1.0	41
26	Scree weta phylogeography: Surviving glaciation and implications for Pleistocene biogeography in New Zealand. New Zealand Journal of Zoology, 2001, 28, 291-298.	0.6	40
27	Phylogenetic and biosystematic relationships in four highly disjunct polyploid complexes in the subgenera and in (Aspleniaceae). Organisms Diversity and Evolution, 2002, 2, 299-311.	0.7	40
28	Hybrid origin of a parthenogenetic genus?. Molecular Ecology, 2005, 14, 2133-2142.	2.0	37
29	Correlation between shell phenotype and local environment suggests a role for natural selection in the evolution of Placostylus snails. Molecular Ecology, 2015, 24, 4205-4221.	2.0	36
30	Chloroplast DNA diversity of Hieracium Pilosella (Asteraceae) introduced to New Zealand: reticulation, hybridization, and invasion. American Journal of Botany, 2004, 91, 73-85.	0.8	35
31	Biogeography Off the Tracks. Systematic Biology, 2013, 62, 494-498.	2.7	35
32	Explaining large mitochondrial sequence differences within a population sample. Royal Society Open Science, 2017, 4, 170730.	1.1	33
33	On the distribution of tree weta in the North Island, New Zealand. Journal of the Royal Society of New Zealand, 1995, 25, 485-493.	1.0	30
34	Are you my mother? Phylogenetic analysis reveals orphan hybrid stick insect genus is part of a monophyletic New Zealand clade. Molecular Phylogenetics and Evolution, 2008, 48, 799-808.	1.2	30
35	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.	1.2	28
36	Finding Fault with Vicariance: A Critique of Heads (1998). Systematic Biology, 2001, 50, 602-609.	2.7	28

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37	Sympatric flightless railsGallirallus dieffenbachiiandG. modestuson the Chatham Islands, New Zealand; morphometrics and alternative evolutionary scenarios. Journal of the Royal Society of New Zealand, 1997, 27, 451-464.	1.0	27
38	Eocene Diversification of Crown Group Rails (Aves: Gruiformes: Rallidae). PLoS ONE, 2014, 9, e109635.	1.1	27
39	A phylogeny of Southern Hemisphere whelks (Gastropoda: Buccinulidae) and concordance with the fossil record. Molecular Phylogenetics and Evolution, 2017, 114, 367-381.	1.2	26
40	Population structure and biogeography of Hemiphaga pigeons (Aves: Columbidae) on islands in the New Zealand region. Journal of Biogeography, 2011, 38, 285-298.	1.4	25
41	Lineages, splits and divergence challenge whether the terms anagenesis and cladogenesis are necessary. Biological Journal of the Linnean Society, 2016, 117, 165-176.	0.7	24
42	Phylogenetics of New Zealand's tree, giant and tusked weta (Orthoptera: Anostostomatidae): evidence from mitochondrial DNA. Journal of Orthoptera Research, 2004, 13, 185-196.	0.4	23
43	Cave Crickets and Cave Weta (Orthoptera, Rhaphidophoridae) from the Southern End of the World: A Molecular Phylogeny Test of Biogeographical Hypotheses. Journal of Orthoptera Research, 2010, 19, 121-130.	0.4	22
44	Artefacts, biology and bias in museum collection research. Molecular Ecology, 2012, 21, 3103-3109.	2.0	21
45	Exploring Phylogeographic Congruence in a Continental Island System. Insects, 2011, 2, 369-399.	1.0	20
46	An alpine grasshopper radiation older than the mountains, on KÄ•Tiritiri o te Moana (Southern Alps) of Aotearoa (New Zealand). Molecular Phylogenetics and Evolution, 2020, 147, 106783.	1.2	20
47	Identity of an endangered grasshopper (Acrididae: Brachaspis): Taxonomy, molecules and conservation. , 2001, 2, 233-243.		19
48	Fewer species of Argosarchus and Clitarchus stick insects (Phasmida, Phasmatinae): evidence from nuclear and mitochondrial DNA sequence data. Zoologica Scripta, 2005, 34, 483-491.	0.7	18
49	Does predation result in adult sex ratio skew in a sexually dimorphic insect genus?. Journal of Evolutionary Biology, 2011, 24, 2321-2328.	0.8	18
50	What Is the Meaning of Extreme Phylogenetic Diversity? The Case of Phylogenetic Relict Species. Topics in Biodiversity and Conservation, 2016, , 99-115.	0.3	18
51	Powelliphanta augusta, a new species of land snail, with a description of its former habitat, Stockton coal plateau, New Zealand. Journal of the Royal Society of New Zealand, 2008, 38, 163-186.	1.0	17
52	Shape and sound reveal genetic cohesion not speciation in the New Zealand orthopteran, Hemiandrus pallitarsis, despite high mitochondrial DNA divergence. Biological Journal of the Linnean Society, 2012, 105, 169-186.	0.7	17
53	On the skewed sex ratio of the Kakapo Strigops habroptilus: sexual and natural selection in opposition?. Ibis, 1997, 139, 652-663.	1.0	16
54	Morphological differentiation despite gene flow in an endangered grasshopper. BMC Evolutionary Biology, 2014, 14, 216.	3.2	16

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55	Anthropogenic cause of range shifts and gene flow between two grasshopper species revealed by environmental modelling, geometric morphometrics and population genetics. Insect Conservation and Diversity, 2018, 11, 415-434.	1.4	16
56	Evolutionary lineages of marine snails identified using molecular phylogenetics and geometric morphometric analysis of shells. Molecular Phylogenetics and Evolution, 2018, 127, 626-637.	1.2	16
57	Loss and gain of sexual reproduction in the same stick insect. Molecular Ecology, 2019, 28, 3929-3941.	2.0	16
58	Climate change and alpine-adapted insects: modelling environmental envelopes of a grasshopper radiation. Royal Society Open Science, 2022, 9, 211596.	1.1	16
59	Geometric morphometric analysis reveals that the shells of male and female siphon whelksPenion chathamensisare the same size and shape. Molluscan Research, 2017, 37, 194-201.	0.2	15
60	Phylogeography of the Chilean red cricket Cratomelus armatus (Orthoptera: Anostostomatidae) reveals high cryptic diversity in central Chile. Biological Journal of the Linnean Society, 2018, 123, 712-727.	0.7	15
61	Convergent local adaptation in size and growth rate but not metabolic rate in a pair of parapatric Orthoptera species. Biological Journal of the Linnean Society, 2014, 113, 123-135.	0.7	14
62	Finding Fault with Vicariance: A Critique of Heads (1998). Systematic Biology, 2001, 50, 602-609.	2.7	13
63	Species Radiation of Carabid Beetles (Broscini: Mecodema) in New Zealand. PLoS ONE, 2014, 9, e86185.	1.1	13
64	Elevational variation in adult body size and growth rate but not in metabolic rate in the tree weta Hemideina crassidens. Journal of Insect Physiology, 2015, 75, 30-38.	0.9	13
65	Chemical Ecology and Olfaction in Short-Horned Grasshoppers (Orthoptera: Acrididae). Journal of Chemical Ecology, 2022, 48, 121-140.	0.9	13
66	Multiple lines of evidence suggest mosaic polyploidy in the hybrid parthenogenetic stick insect lineage Acanthoxyla. Insect Conservation and Diversity, 2013, 6, 537-548.	1.4	12
67	New Zealand ground wÄ“tÄ•(Anostostomatidae:Hemiandrus): descriptions of two species with notes on their biology. New Zealand Journal of Zoology, 2013, 40, 314-329.	0.6	12
68	Closing the gap: Avian lineage splits at a young, narrow seaway imply a protracted history of mixed population response. Molecular Ecology, 2017, 26, 5752-5772.	2.0	12
69	Interisland gene flow among populations of the buffâ€banded rail (Aves: Rallidae) and its implications for insular endemism in Oceania. Journal of Avian Biology, 2017, 48, 679-690.	0.6	12
70	Geometric morphometrics and machine learning challenge currently accepted species limits of the land snail Placostylus (Pulmonata: Bothriembryontidae) on the Isle of Pines, New Caledonia. Journal of Molluscan Studies, 2020, 86, 35-41.	0.4	12
71	Mutualism or opportunism? Tree fuchsia (Fuchsia excorticata) and tree weta (Hemideina) interactions. Austral Ecology, 2011, 36, 261-268.	0.7	11
72	Contrasting patterns of diversification in a bird family (Aves: Gruiformes: Rallidae) are revealed by analysis of geospatial distribution of species and phylogenetic diversity. Ecography, 2019, 42, 500-510.	2.1	11

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73	Sympatric cryptic species in New Zealand Onychophora. Biological Journal of the Linnean Society, 1998, 63, 307-329.	0.7	11
74	Taxonomic and conservation status of a newly discovered giant landsnail from Mount Augustus, New Zealand. Conservation Genetics, 2008, 9, 1563-1575.	0.8	10
75	Status of the New Zealand cave weta (Rhaphidophoridae) genera Pachyrhamma, Gymnoplectron and Turbottoplectron. Invertebrate Systematics, 2010, 24, 131.	0.5	10
76	DNA and Morphology Unite Two Species and 10 Million Year Old Fossils. PLoS ONE, 2012, 7, e52083.	1.1	10
77	Little or no gene flow despite F₁ hybrids at two interspecific contact zones. Ecology and Evolution, 2016, 6, 2390-2404.	0.8	9
78	Transâ€equatorial range of a land bird lineage (Aves: Rallidae) from tropical forests to subantarctic grasslands. Journal of Avian Biology, 2016, 47, 219-226.	0.6	9
79	Convergent morphological responses to loss of flight in rails (Aves: Rallidae). Ecology and Evolution, 2020, 10, 6186-6207.	0.8	9
80	Sticky Genomes: Using NGS Evidence to Test Hybrid Speciation Hypotheses. PLoS ONE, 2016, 11, e0154911.	1.1	8
81	Intercontinental island hopping: Colonization and speciation of the grasshopper genus Phaulacridium (Orthoptera: Acrididae) in Australasia. Zoologischer Anzeiger, 2015, 255, 71-79.	0.4	7
82	Genetic diversity and gene flow in a rare New Zealand skink despite fragmented habitat in a volcanic landscape. Biological Journal of the Linnean Society, 2016, 119, 37-51.	0.7	7
83	Patterns of regional endemism among New Zealand invertebrates. New Zealand Journal of Zoology, 2020, 47, 1-19.	0.6	7
84	Climate and ice in the last glacial maximum explain patterns of isolation by distance inferred for alpine grasshoppers. Insect Conservation and Diversity, 2021, 14, 568-581.	1.4	7
85	Spatial size dimorphism in New Zealand's last endemic raptor, the KÄ•rearea Falco novaeseelandiae , coincides with a narrow sea strait. Ibis, 2016, 158, 747-761.	1.0	6
86	Effects of larval crowding and nutrient limitation on male phenotype, reproductive investment and strategy in Ephestia kuehniella Zeller (Insecta: Lepidoptera). Journal of Stored Products Research, 2017, 71, 64-71.	1.2	6
87	First detection of Wolbachia in the New Zealand biota. PLoS ONE, 2018, 13, e0195517.	1.1	6
88	Tuatara and a new morphometric dataset for Rhynchocephalia: Comments on Herreraâ€Flores etÂal.. Palaeontology, 2019, 62, 321-334.	1.0	6
89	Lack of assortative mating might explain reduced phenotypic differentiation where two grasshopper species meet. Journal of Evolutionary Biology, 2022, 35, 509-519.	0.8	6
90	A new weta from the Chatham Islands (Orthoptera: Raphidophoridae). Journal of the Royal Society of New Zealand, 1999, 29, 165-173.	1.0	5

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91	Improved resolution of cave weta diversity (Orthoptera: Rhaphidophoridae): ecological implications for Te Paki, Far North, New Zealand. New Zealand Journal of Zoology, 2015, 42, 1-16.	0.6	5
92	Three new ground wÄ“tÄ•species and a redescription ofHemiandrus maculifrons. New Zealand Journal of Zoology, 2016, 43, 363-383.	0.6	5
93	Phylogenetics and Conservation in New Zealand: The Long and the Short of It. Topics in Biodiversity and Conservation, 2016, , 81-97.	0.3	5
94	Phylogenetic information of genes, illustrated with mitochondrial data from a genus of gastropod molluscs. Biological Journal of the Linnean Society, 2011, 104, 770-785.	0.7	4
95	Ecology and systematics of the wine wÄ“tÄ•and allied species, with description of four new Hemiandrus species. New Zealand Journal of Zoology, 2021, 48, 47-80.	0.6	4
96	A new species of large Hemiandrus ground wÄ“tÄ•(Orthoptera: Anostostomatidae) from North Island, New Zealand. Zootaxa, 2021, 4942, zootaxa.4942.2.4.	0.2	4
97	Fifteen into Three Does Go: Morphology, Genetics and Genitalia Confirm Taxonomic Inflation of New Zealand Beetles (Chrysomelidae: Eucolaspis). PLoS ONE, 2015, 10, e0143258.	1.1	4
98	Introduction. Evolution on Pacific islands: Darwin's legacy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 3289-3291.	1.8	3
99	Comparative cytogenetics of North Island tree wÄ“tÄ•in sympatry. New Zealand Journal of Zoology, 2015, 42, 73-84.	0.6	3
100	Spatial genetics of a high elevation lineage of Rhytididae land snails in New Zealand: the Powelliphanta Kawatiri complex. Molluscan Research, 2019, 39, 280-289.	0.2	3
101	Genetic Variation in the Glycoprotein B Sequence of Equid Herpesvirus 5 among Horses of Various Breeds at Polish National Studs. Pathogens, 2021, 10, 322.	1.2	3
102	Reinstatement of the New Zealand cave wÄ“tÄ•genus Miotopus Hutton (Orthoptera: Rhaphidophoridae) and description of a new species. European Journal of Taxonomy, 2018, , .	0.6	3
103	Diversity and distribution of Pleioplectron Hutton cave wÄ“tÄ•(Orthoptera: Rhaphidophoridae:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 European Journal of Taxonomy, 2019, , .	0.6	3
104	Placing the Fijian Honeyeaters within the meliphagid radiation: implications for origins and conservation. Pacific Conservation Biology, 2016, 22, 262.	0.5	2
105	Genome statistics and phylogenetic reconstructions for Southern Hemisphere whelks (Gastropoda:) Tj ETQq1 1 0.784314 rgBT /Overlock	0.5	2
106	Genetic structure and shell shape variation within a rocky shore whelk suggest both diverging and constraining selection with gene flow. Biological Journal of the Linnean Society, 2018, , .	0.7	2
107	Phylogenetic topology and timing of New Zealand olive shells are consistent with punctuated equilibrium. Journal of Zoological Systematics and Evolutionary Research, 2020, 58, 209-220.	0.6	2
108	Lineage Identification Affects Estimates of Evolutionary Mode in Marine Snails. Systematic Biology, 2020, 69, 1106-1121.	2.7	2

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109	Generation of large mitochondrial and nuclear nucleotide sequences and phylogenetic analyses using high-throughput short-read datasets for endangered Placostylinae snails of the southwest Pacific. Molluscan Research, 2021, 41, 243-253.	0.2	2
110	A new genus for the Lesser Moorhen Gallinula angulata Sundevall, 1850 (Aves, Rallidae). European Journal of Taxonomy, 2015, , .	0.6	2
111	ï»¿Relationships among body size components of three flightless New Zealand grasshopper species (Orthoptera, Acrididae) and their ecological applications. Journal of Orthoptera Research, 2022, 31, 91-103.	0.4	2
112	Speciation through the looking-glass. Biological Journal of the Linnean Society, 2016, , .	0.7	1
113	Unrestricted gene flow between two subspecies of translocated brushtail possums (Trichosurus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	1
114	Genetic distinctiveness of the Waikawa Island mouse population indicates low rate of dispersal from mainland New Zealand. , 2017, 41, .		1
115	Effects of population density on adult morphology and life-history traits of female Mediterranean flour moth, Ephestia kuehniella (Lepidoptera: Pyralidae). European Journal of Entomology, 0, 119, 191-200.	1.2	1
116	Conservation of pÅ«pÅ« whakarongotaua Â-the snail that listens for the war party. Ethnobiology and Conservation, 0, , .	0.0	0
117	Spatial Variation of Acanthophlebia cruentata (Ephemeroptera), a Mayfly Endemic to Te Ika-a-MÄ‹uiâ€”North Island of Aotearoa, New Zealand. Insects, 2022, 13, 567.	1.0	0