

# Graham A. McCulloch

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

792  
citations

567144

15  
h-index

580701

25  
g-index

55  
all docs

55  
docs citations

55  
times ranked

778  
citing authors

#	ARTICLE	IF	CITATIONS
1	A prospective and iterative approach to finding safe weed biological control agents â€œ testing ecological and evolutionary hypotheses with molecular evidence. <i>Biological Control</i> , 2022, 169, 104887.	1.4	10
2	Reduced olfactory acuity in recently flightless insects suggests rapid regressive evolution. <i>Bmc Ecology and Evolution</i> , 2022, 22, 50.	0.7	3
3	Genomics Reveals Exceptional Phylogenetic Diversity Within a Narrow-Range Flightless Insect. <i>Insect Systematics and Diversity</i> , 2022, 6, .	0.7	3
4	Significant genetic structure in <i>Macrobathra</i> moths feeding on <i>Acacia auriculiformis</i> â€œ implications for prioritising biological control agents. <i>Biological Control</i> , 2022, 172, 104969.	1.4	1
5	Genomics Reveals Widespread Ecological Speciation in Flightless Insects. <i>Systematic Biology</i> , 2021, 70, 863-876.	2.7	18
6	Phylogenomics resolves the invasion history of <i>Acacia auriculiformis</i> in Florida. <i>Journal of Biogeography</i> , 2021, 48, 453-464.	1.4	12
7	Evidence for aposematism in a southern hemisphere stonefly family (Plecoptera: Austroperlidae). <i>Austral Entomology</i> , 2021, 60, 267-275.	0.8	5
8	Genetic identity of Australian prickly acacia ( <i>Vachellia nilotica</i> , Fabales: Mimosoideae) â€œ Assessing the target for biological control. <i>Biological Control</i> , 2021, 155, 104540.	1.4	3
9	Does assortative mating contribute to reproductive isolation among sympatric ecotypes of the wingâ€œdimorphic stonefly <i>Zelandoperla fenestrata</i> (Plecoptera: Gripopterygidae)? <i>Austral Entomology</i> , 2021, 60, 571-577.	0.8	3
10	Native range surveys for host-specific <i>Acacia auriculiformis</i> biocontrol agents â€œ A role for DNA barcoding. <i>Biological Control</i> , 2021, 158, 104594.	1.4	10
11	Reinventing the wheel? Reassessing the roles of gene flow, sorting and convergence in repeated evolution. <i>Molecular Ecology</i> , 2021, 30, 4162-4172.	2.0	26
12	Digest: Dispersal reduction drives rapid diversification in alpine grasshoppers. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 2132-2134.	1.1	1
13	Anthropogenic evolution in an insect wing polymorphism following widespread deforestation. <i>Biology Letters</i> , 2021, 17, 20210069.	1.0	12
14	The population genetic structure of the urchin <i>Centrostephanus rodgersii</i> in New Zealandâ€œwith links to Australia. <i>Marine Biology</i> , 2021, 168, 1.	0.7	6
15	Genomic signatures of parallel alpine adaptation in recentlyâ€œevolved flightless insects. <i>Molecular Ecology</i> , 2021, 30, 6677-6686.	2.0	6
16	Biology and preliminary host range of a Korean leaf-mining <i>Hydrellia</i> sp. (Diptera: Ephydriidae) rejected as a potential biological control agent for monoecious <i>Hydrilla verticillata</i> in the United States. <i>Biocontrol Science and Technology</i> , 2021, 31, 343-356.	0.5	1
17	<i>Zelandoperla maungatuaensis</i> sp. n. (Plecoptera: Gripopterygidae), a new flightless stonefly species from Otago, New Zealand. <i>New Zealand Journal of Zoology</i> , 2020, 47, 141-147.	0.6	4
18	Phylogenetic placement and the timing of diversification in Australiaâ€™s endemic <i>Vachellia</i> (Caesalpinioideae, Mimosoid Clade, Fabaceae) species. <i>Australian Systematic Botany</i> , 2020, 33, 103.	0.3	4

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19	Significant population genetic structuring in <i>Rhyzopertha dominica</i> across Turkey: Biogeographic and practical implications. <i>Journal of Stored Products Research</i> , 2020, 85, 101536.	1.2	3
20	Coping with heat in the arid interior – what can feather structure reveal about the ecology of Australia’s desert-living Grey Falcon <i>Falco hypoleucos</i> ?. <i>Emu</i> , 2020, 120, 83-89.	0.2	3
21	The Gene Introgression Approach and the Potential Cost of Genes that Confer Strong Phosphine Resistance in Red Flour Beetle (Coleoptera: Tenebrionidae). <i>Journal of Economic Entomology</i> , 2020, 113, 1547-1554.	0.8	4
22	Phylogeography of the rare Australian endemic Grey Falcon <i>Falco hypoleucos</i> : implications for conservation. <i>Bird Conservation International</i> , 2020, 30, 447-455.	0.7	4
23	Dispersal Reduction: Causes, Genomic Mechanisms, and Evolutionary Consequences. <i>Trends in Ecology and Evolution</i> , 2020, 35, 512-522.	4.2	55
24	Does elevation influence mayfly emergence timing? A case study using New Zealand's endemic ephemeropteran fauna. <i>Ecological Entomology</i> , 2020, 45, 756-760.	1.1	2
25	Genetic diversity and morphological variation in African boxthorn ( <i>Lycium ferocissimum</i> ) – Characterising the target weed for biological control. <i>Biological Control</i> , 2020, 143, 104206.	1.4	11
26	Population structure of the New Zealand whelk, <i>Cominella glandiformis</i> (Gastropoda: Buccinidae), suggests sporadic dispersal of a direct developer. <i>Biological Journal of the Linnean Society</i> , 2020, 130, 49-60.	0.7	2
27	Molecular screening of herbivorous flies collected from <i>Hydrilla verticillata</i> across China and Korea – setting up hypotheses for further exploratory surveys and tests. <i>Biological Control</i> , 2019, 138, 104051.	1.4	7
28	Genetic diversity and its geographic structure in <i>Sitophilus oryzae</i> (Coleoptera; Curculionidae) across India – implications for managing phosphine resistance. <i>Journal of Stored Products Research</i> , 2019, 84, 101512.	1.2	10
29	Phylogenetic divergence of island biotas: Molecular dates, extinction, and ‘relict’ lineages. <i>Molecular Ecology</i> , 2019, 28, 4354-4362.	2.0	16
30	Comparative transcriptomic analysis of a wing-dimorphic stonefly reveals candidate wing loss genes. <i>EvoDevo</i> , 2019, 10, 21.	1.3	18
31	Ecological gradients drive insect wing loss and speciation: The role of the alpine treeline. <i>Molecular Ecology</i> , 2019, 28, 3141-3150.	2.0	27
32	Scrutinizing biological control survey data from the native range – the phylogeny and <i>Lygodium</i> fern host associations of Musotiminae moths. <i>Biological Control</i> , 2019, 134, 123-129.	1.4	3
33	Contrasting patterns of phylogeographic structuring in two key beetle pests of stored grain in India and Australia. <i>Journal of Pest Science</i> , 2019, 92, 1249-1259.	1.9	14
34	Biological evidence constraining river drainage evolution across a subduction-transcurrent plate boundary transition, New Zealand. <i>Geomorphology</i> , 2019, 336, 119-132.	1.1	13
35	Insect wing loss is tightly linked to the treeline: evidence from a diverse stonefly assemblage. <i>Ecography</i> , 2019, 42, 811-813.	2.1	15
36	Phylogeography reveals a North Island range extension for New Zealand's only sexually wing-dimorphic stonefly ( <i>Stenoperla helsoni</i> ). <i>New Zealand Journal of Zoology</i> , 2019, 46, 253-260.	0.6	2

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37	Testing for seasonality in alpine streams: How does altitude affect freshwater insect life cycles?. <i>Freshwater Biology</i> , 2018, 63, 483-491.	1.2	13
38	Assessment of genetic structuring in the Lygodium fern moths <i>Austromusotima camptozonale</i> and <i>Neomusotima conspurcatalis</i> in their native range: implications for biological control. <i>Biological Control</i> , 2018, 121, 8-13.	1.4	10
39	Does wing reduction influence the relationship between altitude and insect body size? A case study using New Zealand's diverse stonefly fauna. <i>Ecology and Evolution</i> , 2018, 8, 953-960.	0.8	24
40	Polyandry, genetic diversity and fecundity of emigrating beetles: understanding new foci of infestation and selection. <i>Journal of Pest Science</i> , 2018, 91, 287-298.	1.9	17
41	The complete chloroplast genome of the invasive fern <i>Lygodium microphyllum</i> (Cav.) R. Br.. Mitochondrial DNA Part B: Resources, 2018, 3, 746-747.	0.2	1
42	Divergence among generalist herbivores: the <i>Frankliniella schultzei</i> species complex in Australia (Thysanoptera: Thripidae). <i>Arthropod-Plant Interactions</i> , 2017, 11, 875-887.	0.5	20
43	Progression of phosphine resistance in susceptible <i>Tribolium castaneum</i> (Herbst) populations under different immigration regimes and selection pressures. <i>Evolutionary Applications</i> , 2017, 10, 907-918.	1.5	17
44	Does wing size shape insect biogeography? Evidence from a diverse regional stonefly assemblage. <i>Global Ecology and Biogeography</i> , 2017, 26, 93-101.	2.7	42
45	Flight of <i>Rhyzopertha dominica</i> (Coleoptera: Bostrichidae) – a Spatio-Temporal Analysis With Pheromone Trapping and Population Genetics. <i>Journal of Economic Entomology</i> , 2016, 109, 2561-2571.	0.8	65
46	Development of microsatellite markers and a preliminary assessment of population structuring in the rice weevil, <i>Sitophilus oryzae</i> (L.). <i>Journal of Stored Products Research</i> , 2016, 66, 12-17.	1.2	10
47	A time-calibrated phylogeny of southern hemisphere stoneflies: Testing for Gondwanan origins. <i>Molecular Phylogenetics and Evolution</i> , 2016, 96, 150-160.	1.2	66
48	ONSET OF GLACIATION DROVE SIMULTANEOUS VICARIANT ISOLATION OF ALPINE INSECTS IN NEW ZEALAND. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 2033-43.	1.1	49
49	Do insects lose flight before they lose their wings? Population genetic structure in subalpine stoneflies. <i>Molecular Ecology</i> , 2009, 18, 4073-4087.	2.0	70
50	Marine biogeographical structure in two highly dispersive gastropods: implications for trans-Tasman dispersal. <i>Journal of Biogeography</i> , 2007, 34, 678-687.	1.4	46
51	Two grain beetle species, one resource, different patterns of genetic structure: implications for management. <i>Journal of Pest Science</i> , 0, , 1.	1.9	0