

# Mark Blacket

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,008  
citations

279798

23  
h-index

276875

41  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2406  
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal primers for fluorescent labelling of PCR fragmentsâ€”an efficient and costâ€¢effective approach to genotyping by fluorescence. <i>Molecular Ecology Resources</i> , 2012, 12, 456-463.	4.8	329
2	Prospects and challenges of implementing DNA metabarcoding for high-throughput insect surveillance. <i>GigaScience</i> , 2019, 8, .	6.4	132
3	Identification of a candidate adaptive polymorphism for <i>Drosophila</i> life history by parallel independent clines on two continents. <i>Molecular Ecology</i> , 2010, 19, 760-774.	3.9	119
4	Candidate genes and thermal phenotypes: identifying ecologically important genetic variation for thermotolerance in the Australian <i>Drosophila melanogaster</i> cline. <i>Molecular Ecology</i> , 2007, 16, 2948-2957.	3.9	92
5	A tale of two flatties: different responses of two terrestrial flatworms to past environmental climatic fluctuations at Tallaganda in montane southeastern Australia. <i>Molecular Ecology</i> , 2006, 15, 4513-4531.	3.9	79
6	The Bassian Isthmus and the major ocean currents of southeast Australia influence the phylogeography and population structure of a southern Australian intertidal barnacle <i>Catomerus polymerus</i> (Darwin). <i>Molecular Ecology</i> , 2008, 17, 1948-1961.	3.9	76
7	Molecular identification of mosquitoes (Diptera: Culicidae) in southeastern Australia. <i>Ecology and Evolution</i> , 2016, 6, 3001-3011.	1.9	75
8	FASTâ€¢TRACK: Waves of parthenogenesis in the desert: evidence for the parallel loss of sex in a grasshopper and a gecko from Australia. <i>Molecular Ecology</i> , 2006, 15, 1743-1748.	3.9	66
9	Barcoding Queensland Fruit Flies ( <i>Bactrocera tryoni</i> ): impediments and improvements. <i>Molecular Ecology Resources</i> , 2012, 12, 428-436.	4.8	58
10	A Multigene Assessment of Phylogenetic Relationships within the Dasyurid Marsupial Subfamily Sminthopsinae. <i>Molecular Phylogenetics and Evolution</i> , 1997, 8, 236-248.	2.7	56
11	A clinally varying promoter polymorphism associated with adaptive variation in wing size in <i>Drosophila</i> . <i>Molecular Ecology</i> , 2010, 19, 775-784.	3.9	54
12	Effective mosquito and arbovirus surveillance using metabarcoding. <i>Molecular Ecology Resources</i> , 2018, 18, 32-40.	4.8	51
13	Antagonistic selection between adult thorax and wing size in field released <i>Drosophila melanogaster</i> independent of thermal conditions. <i>Journal of Evolutionary Biology</i> , 2007, 20, 2219-2227.	1.7	49
14	Systematic Relationships within the Dasyurid Marsupial Tribe Sminthopsiniâ€”A Multigene Approach. <i>Molecular Phylogenetics and Evolution</i> , 1999, 12, 140-155.	2.7	41
15	Testing evolutionary hypotheses about species borders: patterns of genetic variation towards the southern borders of two rainforest <i>Drosophila</i> and a related habitat generalist. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1517-1526.	2.6	41
16	Using Next-Generation Sequencing for DNA Barcoding: Capturing Allelic Variation in <i>ITS2</i> . <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 19-29.	1.8	38
17	Phylogenetic analysis of mitochondrial DNA sequences reveals polyphyly in the goitred gazelle ( <i>Gazella subgutturosa</i> ). <i>Conservation Genetics</i> , 2011, 12, 827-831.	1.5	34
18	Two reciprocally monophyletic mtDNA lineages elucidate the taxonomic status of Mountain gazelles ( <i>Gazella gazella</i> ). <i>Systematics and Biodiversity</i> , 2010, 8, 119-129.	1.2	33

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19	Developing a non-destructive metabarcoding protocol for detection of pest insects in bulk trap catches. <i>Scientific Reports</i> , 2021, 11, 7946.	3.3	32
20	Molecular Basis of Adaptive Shift in Body Size in <i>Drosophila melanogaster</i> : Functional and Sequence Analyses of the <i>Dca</i> Gene. <i>Molecular Biology and Evolution</i> , 2011, 28, 2393-2402.	8.9	31
21	A DNA barcode database of Australia's freshwater macroinvertebrate fauna. <i>Marine and Freshwater Research</i> , 2017, 68, 1788.	1.3	31
22	DNA-based identifications reveal multiple introductions of the vegetable leafminer <i>Liriomyza sativae</i> (Diptera: Agromyzidae) into the Torres Strait Islands and Papua New Guinea. <i>Bulletin of Entomological Research</i> , 2015, 105, 533-544.	1.0	28
23	Title is missing!. <i>Journal of Mammalian Evolution</i> , 2001, 8, 149-170.	1.8	26
24	Lack of genetic structure among ecologically adapted populations of an Australian rainforest <i>Drosophila</i> species as indicated by microsatellite markers and mitochondrial DNA sequences. <i>Molecular Ecology</i> , 2007, 16, 1687-1700.	3.9	26
25	Genetic variation within the dasyurid marsupial genus <i>Planigale</i> . <i>Australian Journal of Zoology</i> , 2000, 48, 443.	1.0	25
26	The evolution of sexual and parthenogenetic <i>Warramaba</i> : a window onto Pliocene-Pleistocene diversification processes in an arid biome. <i>Molecular Ecology</i> , 2008, 17, 5257-5275.	3.9	25
27	A plethora of planigales: genetic variability and cryptic species in a genus of dasyurid marsupials from northern Australia. <i>Australian Journal of Zoology</i> , 2016, 64, 303.	1.0	20
28	Physical and Linkage Maps for <i>Drosophila serrata</i> , a Model Species for Studies of Clinal Adaptation and Sexual Selection. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 287-297.	1.8	19
29	A LAMP assay for the detection of <i>Bactrocera tryoni</i> Queensland fruit fly (Diptera: Tephritidae). <i>Scientific Reports</i> , 2020, 10, 9554.	3.3	19
30	Systematics and Evolution of the Dasyurid Marsupial Genus <i>Sminthopsis</i> : II. The <i>Murina</i> Species Group. <i>Journal of Mammalian Evolution</i> , 2006, 13, 125-138.	1.8	18
31	Accurate identification of Australian mosquitoes using protein profiling. <i>Parasitology</i> , 2019, 146, 462-471.	1.5	18
32	Propylene Glycol and Non-Destructive DNA Extractions Enable Preservation and Isolation of Insect and Hosted Bacterial DNA. <i>Agriculture (Switzerland)</i> , 2021, 11, 77.	3.1	18
33	A LAMP (loop-mediated isothermal amplification) test for rapid identification of Khapra beetle ( <i>Trogoderma granarium</i> ). <i>Pest Management Science</i> , 2021, 77, 5509-5521.	3.4	18
34	Disentangling bias for non-destructive insect metabarcoding. <i>PeerJ</i> , 2022, 10, e12981.	2.0	18
35	A diagnostic LAMP assay for the destructive grapevine insect pest, phylloxera ( <i>Daktulosphaira</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.3	15
36	A diagnostic LAMP assay for rapid identification of an invasive plant pest, fall armyworm <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae). <i>Scientific Reports</i> , 2022, 12, 1116.	3.3	15

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37	Review and revision of Australian <i>Stål</i> , with new genera and further new species of Australian Geocorinae (Hemiptera: Heteroptera: Geocoridae). <i>Zootaxa</i> , 2013, 3746, 257.	0.5	14
38	DNA Sequence Analysis of Familial Relationships Among Dasyuromorphian Marsupials. <i>Journal of Mammalian Evolution</i> , 2000, 7, 95-108.	1.8	13
39	Introduced Helicidae garden snails in Australia: morphological and molecular diagnostics, species distributions and systematics. <i>Records of the Australian Museum</i> , 2016, 68, 99-116.	0.2	12
40	A proline repeat polymorphism of the <i>Frost</i> gene of <i>Drosophila melanogaster</i> showing clinal variation but not associated with cold resistance. <i>Insect Molecular Biology</i> , 2012, 21, 437-445.	2.0	11
41	Phylogeny of the holly grevilleas (Proteaceae) based on nuclear ribosomal and chloroplast DNA. <i>Australian Systematic Botany</i> , 2014, 27, 56.	0.9	11
42	Non-destructive DNA extractions from fly larvae (Diptera: Muscidae) enable molecular identification of species and enhance morphological features. <i>Austral Entomology</i> , 2019, 58, 848-856.	1.4	11
43	Molecular Assessment of the Introduction and Spread of Potato Cyst Nematode, <i>Globodera rostochiensis</i> , in Victoria, Australia. <i>Phytopathology</i> , 2019, 109, 659-669.	2.2	11
44	Development of internal COI primers to improve and extend barcoding of fruit flies (Diptera: Tephritidae). <i>Systematic Entomology and Biogeography</i> , 2011, 50, 462-471.	3.0	11
45	Parthenogenesis without costs in a grasshopper with hybrid origins. <i>Science</i> , 2022, 376, 1110-1114.	12.6	10
46	DNA Metabarcoding Enables High-Throughput Detection of Spotted Wing Drosophila ( <i>Drosophila</i> ). <i>Systematic Entomology and Biogeography</i> , 2011, 50, 462-471.	2.2	10
47	Planigales (Marsupialia : Dasyuridae) of eastern Australia's interior: a comparison of morphology, distributions and habitat preferences, with particular emphasis on South Australia. <i>Australian Journal of Zoology</i> , 2008, 56, 195.	1.0	7
48	Redescription of the Australian metallic-green tomato fly, <i>Lampronchaea brouniana</i> (Bezzi) (Diptera: Tephritidae). <i>Systematic Entomology and Biogeography</i> , 2011, 50, 462-471.	0.5	7
49	Screening mitochondrial DNA sequence variation as an alternative method for tracking established and outbreak populations of Queensland fruit fly at the species southern range limit. <i>Ecology and Evolution</i> , 2017, 7, 2604-2616.	1.9	7
50	Illuminating Insights into the Biodiversity of the Australian Psyllids (Hemiptera: Psylloidea) Collected Using Light Trapping. <i>Insects</i> , 2020, 11, 354.	2.2	7
51	Anonymous single-copy nuclear DNA (scnDNA) markers for two endemic log-dwelling beetles: <i>Apaxis puncticeps</i> and <i>Adelium calosomoides</i> (Tenebrionidae: Lagriinae: Adeliini). <i>Molecular Ecology Notes</i> , 2006, 6, 362-364.	1.7	6
52	Microsatellite marker development for two species of holly-leaved Grevillea and cross-species amplification in the <i>Aspleniifolia</i> / <i>Hookeriana</i> Subgroup (Proteaceae). <i>Conservation Genetics Resources</i> , 2012, 4, 137-140.	0.8	6
53	Genetic Structure of <i>Carex</i> Species from the Australian Alpine Region along Elevation Gradients: Patterns of Reproduction and Gene Flow. <i>International Journal of Plant Sciences</i> , 2013, 174, 189-199.	1.3	6
54	A set of microsatellite markers for an endangered arboreal marsupial, Leadbeater's possum. <i>Molecular Ecology Notes</i> , 2005, 5, 796-799.	1.7	5

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55	On the complementarity of DNA barcoding and morphology to distinguish benign endemic insects from possible pests: the case of <i>Dirioxa pornia</i> and the tribe Acanthonevrini (Diptera: Tj ETQq1 1 0.784314 38 BT / Overclock 10 TF	0.784314	38
56	Microsatellite loci for the endangered growling grass frog ( <i>Litoria raniformis</i> ), with cross amplification in other Australian frog species. Conservation Genetics Resources, 2011, 3, 593-595.	0.8	4
57	Polymorphic population genetic markers for the Australian wood cockroach <i>Panesthia australis</i> . Molecular Ecology Notes, 2006, 6, 765-766.	1.7	2
58	Three new species of Cleradini from Australia (Hemiptera: Heteroptera: Rhyparochromidae). Zootaxa, 2011, 3003, 43.	0.5	1
59	Description of an Australian endemic species of Trioza (Hemiptera: Triozidae) pest of the endemic tea tree, <i>Melaleuca alternifolia</i> (Myrtaceae). PLoS ONE, 2021, 16, e0257031.	2.5	1