Mark Dowton

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Genome-wide SNPs detect fine-scale genetic structure in threatened populations of squirrel glider Petaurus norfolcensis. Conservation Genetics, 2022, 23, 541-558.	1.5	3
2	Uneven declines between corals and cryptobenthic fish symbionts from multiple disturbances. Scientific Reports, 2021, 11, 16420.	3.3	10
3	Genome-Wide SNPs Detect Hybridisation of Marsupial Gliders (Petaurus breviceps breviceps Ã— Petaurus) Tj ETQq1 1 0.784314 rgBT /O	2.4	7
4	Latitudinal Biogeographic Structuring in the Globally Distributed Moss Ceratodon purpureus. Frontiers in Plant Science, 2020, 11, 502359.	3.6	13
5	Pharmacological and genetic characterisation of the canine P2X4 receptor. British Journal of Pharmacology, 2020, 177, 2812-2829.	5.4	11
6	Drivers of sociality in Gobiodon fishes: An assessment of phylogeny, ecology and life-history. Molecular Phylogenetics and Evolution, 2019, 137, 263-273.	2.7	6
7	Repeated cyclone events reveal potential causes of sociality in coral-dwelling Gobiodon fishes. PLoS ONE, 2018, 13, e0202407.	2.5	12
8	Higher-level phylogeny of the Hymenoptera inferred from mitochondrial genomes. Molecular Phylogenetics and Evolution, 2015, 84, 34-43.	2.7	69
9	R270C polymorphism leads to loss of function of the canine P2X7 receptor. Physiological Genomics, 2014, 46, 512-522.	2.3	15
10	Complete mitochondrial genomes of Ceratobaeus sp. and Idris sp. (Hymenoptera: Scelionidae): shared gene rearrangements as potential phylogenetic markers at the tribal level. Molecular Biology Reports, 2014, 41, 6419-6427.	2.3	22
11	Coexistence of Minicircular and a Highly Rearranged mtDNA Molecule Suggests That Recombination Shapes Mitochondrial Genome Organization. Molecular Biology and Evolution, 2014, 31, 636-644.	8.9	37
12	Evolutionary Dynamics of the Mitochondrial Genome in the Evaniomorpha (Hymenoptera)â€"A Group with an Intermediate Rate of Gene Rearrangement. Genome Biology and Evolution, 2014, 6, 1862-1874.	2.5	47
13	A Preliminary Framework for DNA Barcoding, Incorporating the Multispecies Coalescent. Systematic Biology, 2014, 63, 639-644.	5.6	53
14	<scp>DNA</scp> Barcoding Identifies all Immature Life Stages of a Forensically Important Flesh Fly (Diptera: Sarcophagidae). Journal of Forensic Sciences, 2013, 58, 184-187.	1.6	54
15	Utility of COI, CAD and morphological data for resolving relationships within the genus Sarcophaga (sensu lato) (Diptera: Sarcophagidae): A preliminary study. Molecular Phylogenetics and Evolution, 2013, 69, 133-141.	2.7	28
16	A key to the Australian Sarcophagidae (Diptera) with special emphasis on <i>Sarcophaga</i> (<i>sensu lato</i>). Zootaxa, 2013, 3680, .	0.5	17
17	Comprehensive evaluation of DNA barcoding for the molecular species identification of forensically important Australian Sarcophagidae (Diptera). Invertebrate Systematics, 2012, 26, 515.	1.3	28
18	Notes on the Distribution of 31 Species of Sarcophagidae (Diptera) in Australia, Including new Records in Australia for Eight Species. Transactions of the Royal Society of South Australia, 2012, 136, 56-64.	0.4	1

#	Article	IF	Citations
19	The first mitochondrial genome for the wasp superfamily Platygastroidea: the egg parasitoid Trissolcus basalis. Genome, 2012, 55, 194-204.	2.0	38
20	Beyond barcoding: A mitochondrial genomics approach to molecular phylogenetics and diagnostics of blowflies (Diptera: Calliphoridae). Gene, 2012, 511, 131-142.	2.2	142
21	Evidence of animal mtDNA recombination between divergent populations of the potato cyst nematode Globodera pallida. Genetica, 2012, 140, 19-29.	1.1	11
22	A Comparison of Three Molecular Markers for the Identification of Populations of Globodera pallida. Journal of Nematology, 2012, 44, 7-17.	0.9	5
23	The mitochondrial genome of the soybean cyst nematode,<i>Heterodera glycines</i>. Genome, 2011, 54, 565-574.	2.0	20
24	Paternal leakage of mitochondrial DNA in experimental crosses of populations of the potato cyst nematode Globodera pallida. Genetica, 2011, 139, 1509-1519.	1.1	12
25	DNA-based identification of forensically important Australian Sarcophagidae (Diptera). International Journal of Legal Medicine, 2011, 125, 27-32.	2.2	85
26	Poly(T) Variation in Heteroderid Nematode Mitochondrial Genomes is Predominantly an Artefact of Amplification. Journal of Molecular Evolution, 2011, 72, 182-192.	1.8	14
27	Incorrect report of cryptic species within Chrysomya rufifacies (Diptera:Calliphoridae). Invertebrate Systematics, 2009, 23, 507.	1.3	3
28	Characterization of 67 Mitochondrial tRNA Gene Rearrangements in the Hymenoptera Suggests That Mitochondrial tRNA Gene Position Is Selectively Neutral. Molecular Biology and Evolution, 2009, 26, 1607-1617.	8.9	176
29	Thermal attributes of <i>Chrysomya</i> species. Entomologia Experimentalis Et Applicata, 2009, 133, 260-275.	1.4	16
30	Examining the phylogeny of the Australasian Lymnaeidae (Heterobranchia: Pulmonata: Gastropoda) using mitochondrial, nuclear and morphological markers. Molecular Phylogenetics and Evolution, 2009, 52, 643-659.	2.7	34
31	Phylogenetic approaches for the analysis of mitochondrial genome sequence data in the Hymenoptera â€“ A lineage with both rapidly and slowly evolving mitochondrial genomes. Molecular Phylogenetics and Evolution, 2009, 52, 512-519.	2.7	90
32	Poly(T) Variation Within Mitochondrial Protein-Coding Genes in Globodera (Nematoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (H	1.8	11
33	Intraspecific Concerted Evolution of the rDNA ITS1 in Anopheles farauti Sensu Stricto (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 397-411.	1.8	42
34	Identification of forensically important Chrysomya (Diptera: Calliphoridae) species using the second ribosomal internal transcribed spacer (ITS2). Forensic Science International, 2008, 177, 238-247.	2.2	45
35	Population genetic structure, gene flow and sexâ€biased dispersal in frillneck lizards (<i>Chlamydosaurus kingii</i>). Molecular Ecology, 2008, 17, 3557-3564.	3.9	41
36	Mitochondrial genome organization and phylogeny of two vespid wasps. Genome, 2008, 51, 800-808.	2.0	93

#	Article	IF	Citations
37	The mitochondrial genome of the stingless bee Melipona bicolor (Hymenoptera, Apidae, Meliponini): sequence, gene organization and a unique tRNA translocation event conserved across the tribe Meliponini. Genetics and Molecular Biology, 2008, 31, 451-460.	1.3	45
38	The Plasminogen-Binding Group A Streptococcal M Protein-Related Protein Prp Binds Plasminogen via Arginine and Histidine Residues. Journal of Bacteriology, 2007, 189, 1435-1440.	2.2	71
39	Using COI barcodes to identify forensically and medically important blowflies. Medical and Veterinary Entomology, 2007, 21, 44-52.	1.5	139
40	Mitochondrial DNA recombination in a free-ranging Australian lizard. Biology Letters, 2007, 3, 189-192.	2.3	62
41	Mitochondrial genomes in the Hymenoptera and their utility as phylogenetic markers. Systematic Entomology, 2007, 32, 60-69.	3.9	34
42	The Mitochondrial Subgenomes of the Nematode Globodera pallida Are Mosaics: Evidence of Recombination in an Animal Mitochondrial Genome. Journal of Molecular Evolution, 2007, 64, 463-471.	1.8	45
43	Sequence and Characterization of Six Mitochondrial Subgenomes from Globodera rostochiensis: Multipartite Structure Is Conserved Among Close Nematode Relatives. Journal of Molecular Evolution, 2007, 65, 308-315.	1.8	49
44	Mitochondrial genomes of Vanhornia eucnemidarum (Apocrita: Vanhorniidae) and Primeuchroeus spp. (Aculeata: Chrysididae): evidence of rearranged mitochondrial genomes within the Apocrita (Insecta:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.0	63
45	Molecular analyses of the Apocrita (Insecta:Hymenoptera) suggest that the Chalcidoidea are sister to the diaprioid complex. Invertebrate Systematics, 2006, 20, 603.	1.3	48
46	Divergence in the Plasminogen-binding Group A Streptococcal M Protein Family. Journal of Biological Chemistry, 2006, 281, 3217-3226.	3.4	32
47	The position of the Hymenoptera within the Holometabola as inferred from the mitochondrial genome of Perga condei (Hymenoptera: Symphyta: Pergidae). Molecular Phylogenetics and Evolution, 2005, 34, 469-479.	2.7	84
48	SYSTEMATICS, EVOLUTION, AND BIOLOGY OF SCELIONID AND PLATYGASTRID WASPS. Annual Review of Entomology, 2005, 50, 553-582.	11.8	145
49	Assessing the Relative Rate of (Mitochondrial) Genomic Change. Genetics, 2004, 167, 1027-1030.	2.9	13
50	Two Distinct Genotypes of prtF2, Encoding a Fibronectin Binding Protein, and Evolution of the Gene Family in Streptococcus pyogenes. Journal of Bacteriology, 2004, 186, 7601-7609.	2.2	34
51	Frequent Mitochondrial Gene Rearrangements at the Hymenopteran nad3-nad5 Junction. Journal of Molecular Evolution, 2003, 56, 517-526.	1.8	115
52	Distribution of Intimin Subtypes among Escherichia coli Isolates from Ruminant and Human Sources. Journal of Clinical Microbiology, 2003, 41, 5022-5032.	3.9	131
53	Rates of Gene Rearrangement and Nucleotide Substitution Are Correlated in the Mitochondrial Genomes of Insects. Molecular Biology and Evolution, 2003, 20, 1612-1619.	8.9	145
54	Mitochondrial gene rearrangements as phylogenetic characters in the invertebrates: the examination of genome 'morphology'. Invertebrate Systematics, 2002, 16, 345.	1.3	178

#	Article	IF	Citations
55	Contrasting Rates of Mitochondrial Molecular Evolution in Parasitic Diptera and Hymenoptera. Molecular Biology and Evolution, 2002, 19, 1100-1113.	8.9	91
56	Increased Congruence Does Not Necessarily Indicate Increased Phylogenetic Accuracyâ€"The Behavior of the Incongruence Length Difference Test in Mixed-Model Analyses. Systematic Biology, 2002, 51, 19-31.	5.6	165
57	Phylogenetic relationships among microgastrine braconid wasp genera based on data from the 16S, COI and 28S genes and morphology. Systematic Entomology, 2002, 27, 337-359.	3.9	54
58	Simultaneous Molecular and Morphological Analysis of Braconid Relationships (Insecta:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (H Journal of Molecular Evolution, 2002, 54, 210-226.	1.8	78
59	Intramitochondrial recombination â€" is it why some mitochondrial genes sleep around?. Trends in Ecology and Evolution, 2001, 16, 269-271.	8.7	119
60	Simultaneous analysis of 16S, 28S, COI and morphology in the Hymenoptera: Apocrita - evolutionary transitions among parasitic wasps. Biological Journal of the Linnean Society, 2001, 74, 87-111.	1.6	82
61	Estimating ancestral geographical distributions: a Gondwanan origin for aphid parasitoids?. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 491-496.	2.6	77
62	Identification of key components in the irreversibility of salmon calcitonin binding to calcitonin receptors. Journal of Endocrinology, 2000, 166, 213-226.	2.6	65
63	Models of analysis for molecular datasets for the reconstruction of basal hymenopteran relationships. Zoologica Scripta, 1999, 28, 69-74.	1.7	7
64	Relationships among the Cyclostome Braconid (Hymenoptera: Braconidae) Subfamilies Inferred from a Mitochondrial tRNA Gene Rearrangement. Molecular Phylogenetics and Evolution, 1999, 11, 283-287.	2.7	44
65	Evolutionary dynamics of a mitochondrial rearrangement "hot spot" in the Hymenoptera. Molecular Biology and Evolution, 1999, 16, 298-309.	8.9	209
66	Phylogenetic Relationships among the Microgastroid Wasps (Hymenoptera: Braconidae): Combined Analysis of 16S and 28S rDNA Genes and Morphological Data. Molecular Phylogenetics and Evolution, 1998, 10, 354-366.	2.7	85
67	Evolutionary relationships among the Braconidae (Hymenoptera: Ichneumonoidea) inferred from partial 16S rDNA gene sequences. Insect Molecular Biology, 1998, 7, 129-150.	2.0	83
68	Purification of Calcitonin-Like Peptides from Rat Brain and Pituitary. Endocrinology, 1998, 139, 982-992.	2.8	10
69	The evolution of strand-specific compositional bias. A case study in the Hymenopteran mitochondrial 16S rRNA gene. Molecular Biology and Evolution, 1997, 14, 109-112.	8.9	37
70	Molecular phylogeny of the apocritan wasps: the Proctotrupomorpha and Evaniomorpha. Systematic Entomology, 1997, 22, 245-255.	3.9	78
71	Evidence for AT-Transversion Bias in Wasp (Hymenoptera: Symphyta) Mitochondrial Genes and Its Implications for the Origin of Parasitism. Journal of Molecular Evolution, 1997, 44, 398-405.	1.8	59
72	Electrophoretic Mobility and Glycosylation Characteristics of Heterogeneously Expressed Calcitonin Receptors. Endocrinology, 1997, 138, 530-539.	2.8	4

#	Article	IF	Citations
73	Citation policy on sequences. Nature, 1996, 381, 550-550.	27.8	3
74	Increased genetic diversity in mitochondrial genes is correlated with the evolution of parasitism in the Hymenoptera. Journal of Molecular Evolution, 1995, 41, 958-65.	1.8	94
75	Purification of glutamine synthetase by adenosine-affinity chromatography. Journal of Chromatography A, 1994, 664, 280-283.	3.7	2
76	Somatostatin-14 and somatostatin-28 levels are light-driven and vary during development in the chicken retina. Developmental Brain Research, 1994, 78, 65-69.	1.7	5
77	Endogenous dopamine inhibits the release of enkephalin-like immunoreactivity from amacrine cells of the chicken retina in the light. Brain Research, 1994, 645, 240-246.	2.2	17
78	Molecular phylogeny of the insect order Hymenoptera: apocritan relationships.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 9911-9915.	7.1	192
79	[Leu5]enkephalin-like immunoreactive amacrine cells are under nicotinic excitatory control during darkness in chicken retina. Brain Research, 1993, 624, 137-142.	2.2	10
80	Direct sequencing of double-stranded PCR products without intermediate fragment purification; digestion with mung bean nuclease. Nucleic Acids Research, 1993, 21, 3599-3600.	14.5	13
81	Glycinergic control of [Leu5]enkephalin levels in chicken retina. Brain Research, 1991, 557, 221-226.	2.2	10
82	Light inhibits the release of both [Met5]enkephalin and [Met5]enkephalin-containing peptides in chicken retina, but not their syntheses. Neuroscience, 1990, 38, 187-193.	2.3	17
83	The release of Leu5-enkephalin-like immunoreactivity from chicken retina is reduced by light in vitro. Brain Research, 1989, 488, 43-48.	2.2	17
84	Localization of glutamine synthetase in fleshfly flight muscle. Insect Biochemistry, 1988, 18, 717-727.	1.8	4
85	Acetylcholinesterase converts Met5-enkephalin-containing peptides to Met5-enkephalin. Neuroscience Letters, 1988, 94, 151-155.	2.1	11
86	Glutamine metabolism in fleshfly (Parasarcophaga crassipalpis) tissues. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1986, 85, 593-600.	0.2	1
87	Purification and properties of glutamine synthetase from fleshfly flight muscle. Insect Biochemistry, 1985, 15, 763-770.	1.8	9
88	Phylogeny of the platygastroid wasps (Hymenoptera) based on sequences from the 18S rRNA, 28S rRNA and cytochrome oxidase I genes: implications for the evolution of the ovipositor system and host relationships. Biological Journal of the Linnean Society, 0, 91, 653-669.	1.6	68