Phillip C Watts

List of Publications by Year in Descending Order

96 papers	1,688 citations	24 h-index	35 g-index
98 ext. papers	2,031 ext. citations	5 avg, IF	4.67 L-index

#	Paper	IF	Citations
96	Defining gut mycobiota for wild animals: a need for caution in assigning authentic resident fungal taxa. *Animal Microbiome*, **2021**, 3, 75	4.1	1
95	Expansion of rDNA and pericentromere satellite repeats in the genomes of bank voles exposed to environmental radionuclides. *Ecology and Evolution*, **2021**, 11, 8754-8767	2.8	0
94	Comparable response of wild rodent gut microbiome to anthropogenic habitat contamination. *Molecular Ecology*, **2021**, 30, 3485-3499	5.7	3
93	Does Intraspecific Variation in rDNA Copy Number Affect Analysis of Microbial Communities?. *Trends in Microbiology*, **2021**, 29, 19-27	12.4	13
92	Low-level environmental metal pollution is associated with altered gut microbiota of a wild rodent, the bank vole (Myodes glareolus). *Science of the Total Environment*, **2021**, 790, 148224	10.2	1
91	High variation in last male sperm precedence and genital morphology in the emerald damselfly, Lestes sponsa. *Biological Journal of the Linnean Society*, **2020**, 130, 497-506	1.9	2
90	Exposure to environmental radionuclides alters mitochondrial DNA maintenance in a wild rodent. *Evolutionary Ecology*, **2020**, 34, 163-174	1.8	9
89	Two hundred and fifty-four metagenome-assembled bacterial genomes from the bank vole gut microbiota. *Scientific Data*, **2020**, 7, 312	8.2	3
88	Applying the Anna Karenina principle for wild animal gut microbiota: Temporal stability of the bank vole gut microbiota in a disturbed environment. *Journal of Animal Ecology*, **2020**, 89, 2617-2630	4.7	8
87	Exposure to environmental radionuclides associates with tissue-specific impacts on telomerase expression and telomere length. *Scientific Reports*, **2019**, 9, 850	4.9	22
86	Intergenerational fitness effects of the early life environment in a wild rodent. *Journal of Animal Ecology*, **2019**, 88, 1355-1365	4.7	6
85	Ecological mechanisms can modify radiation effects in a key forest mammal of Chernobyl. *Ecosphere*, **2019**, 10, e02667	3.1	14
84	Early life of fathers affects offspring fitness in a wild rodent. *Journal of Evolutionary Biology*, **2019**, 32, 1141-1151	2.3	2
83	Exposure to environmental radionuclides is associated with altered metabolic and immunity pathways in a wild rodent. *Molecular Ecology*, **2019**, 28, 4620-4635	5.7	14
82	Infection Load and Prevalence of Novel Viruses Identified from the Bank Vole Do Not Associate with Exposure to Environmental Radioactivity. *Viruses*, **2019**, 12,	6.2	3
81	Analysis of heteroplasmy in bank voles inhabiting the Chernobyl exclusion zone: A commentary on Baker et al. (2017) "Elevated mitochondrial genome variation after 50 generations of radiation exposure in a wild rodent.". *Evolutionary Applications*, **2018**, 11, 820-826	4.8	8
80	Low dose of neonicotinoid insecticide reduces foraging motivation of bumblebees. *Proceedings of the Royal Society B: Biological Sciences*, **2018**, 285,	4.4	29

79	Transcriptional Upregulation of DNA Damage Response Genes in Bank Voles (Myodes glareolus) Inhabiting the Chernobyl Exclusion Zone. *Frontiers in Environmental Science*, **2018**, 5,	4.8	11
78	Environmental radiation alters the gut microbiome of the bank vole Myodes glareolus. *ISME Journal* , **2018**, 12, 2801-2806	11.9	23
77	Skin and gut microbiomes of a wild mammal respond to different environmental cues. *Microbiome*, **2018**, 6, 209	16.6	20
76	Fibroblasts from bank voles inhabiting Chernobyl have increased resistance against oxidative and DNA stresses. *BMC Cell Biology*, **2018**, 19, 17		15
75	Balancing selection maintains polymorphisms at neurogenetic loci in field experiments. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 3690-3695	11.5	26
74	Closely related octopus species show different spatial genetic structures in response to the Antarctic seascape. *Ecology and Evolution*, **2017**, 7, 8087-8099	2.8	12
73	Genetic structure and gene flow of the flea Xenopsylla cheopis in Madagascar and Mayotte. *Parasites and Vectors*, **2017**, 10, 347	4	5
72	First record of the invasive pest Drosophila suzukii in Ukraine indicates multiple sources of invasion. *Journal of Pest Science*, **2017**, 90, 421-429	5.5	18
71	Isolation by Time During an Arctic Phytoplankton Spring Bloom. *Journal of Eukaryotic Microbiology*, **2017**, 64, 248-256	3.6	7
70	Stabilizing selection on microsatellite allele length at arginine vasopressin 1a receptor and oxytocin receptor loci. *Proceedings of the Royal Society B: Biological Sciences*, **2017**, 284,	4.4	7
69	Odonata (dragonflies and damselflies) as a bridge between ecology and evolutionary genomics. *Frontiers in Zoology*, **2016**, 13, 46	2.8	52
68	Enhancement of wildlife disease surveillance using multiplex quantitative PCR: development of qPCR assays for major pathogens in UK squirrel populations. *European Journal of Wildlife Research*, **2016**, 62, 589-599	2	5
67	Genetic distinctiveness of the damselfly Coenagrion puella in North Africa: an overlooked and endangered taxon. *Conservation Genetics*, **2016**, 17, 985-991	2.6	8
66	The complete mitochondrial genome of the broad-winged damselfly Mnais costalis Selys (Odonata: Calopterygidae) obtained by next-generation sequencing. *International Journal of Odonatology*, **2016**, 19, 191-198	0.5	6
65	Impact of landscape on spatial genetic structure and diversity of Coenagrion mercuriale (Zygoptera:Coenagrionidae) in northern France. *Freshwater Science*, **2015**, 34, 1065-1078	2	10
64	Negative frequency-dependent selection is intensified at higher population densities in protist populations. *Biology Letters*, **2015**, 11, 20150192	3.6	7
63	Local extinctions and range contraction of the endangeredCoenagrion mercurialein North Africa. *International Journal of Odonatology*, **2015**, 18, 137-152	0.5	7
62	Live fast, die old: no evidence of reproductive senescence or costs of mating in a damselfly (Odonata: Zygoptera). *Journal of Animal Ecology*, **2015**, 84, 1542-54	4.7	8

61	A rapid and cost-effective quantitative microsatellite genotyping protocol to estimate intraspecific competition in protist microcosm experiments. *Methods in Ecology and Evolution*, **2015**, 6, 315-323	7.7	6
60	Genome characterisation of two Ljungan virus isolates from wild bank voles (Myodes glareolus) in Sweden. *Infection, Genetics and Evolution*, **2015**, 36, 156-164	4.5	4
59	Sex-biased inbreeding effects on reproductive success and home range size of the critically endangered black rhinoceros. *Conservation Biology*, **2014**, 28, 594-603	6	14
58	First report of Anaplasma phagocytophilum and Babesia microti in rodents in Finland. *Vector-Borne and Zoonotic Diseases*, **2014**, 14, 389-93	2.4	30
57	HybridizationbetweenCalopteryx splendensandC. haemorrhoidalisconfirmed by morphological and genetic analyses. *International Journal of Odonatology*, **2014**, 17, 149-160	0.5	7
56	New EPIC nuclear DNA sequence markers to improve the resolution of phylogeographic studies of coenagrionids and other odonates. *International Journal of Odonatology*, **2014**, 17, 135-147	0.5	14
55	Next generation sequencing yields the complete mitochondrial genome of the scarce blue-tailed damselfly, Ischnura pumilio. *Mitochondrial DNA*, **2014**, 25, 247-8		17
54	A Critically Endangered new dragonfly species from Morocco: Onychogomphus boudoti sp. nov. (Odonata: Gomphidae). *Zootaxa*, **2014**, 3856, 349-65	0.5	13
53	BergmannS rule is maintained during a rapid range expansion in a damselfly. *Global Change Biology*, **2014**, 20, 475-82	11.4	26
52	Environmental change alters personality in the rainbow trout, Oncorhynchus mykiss. *Animal Behaviour*, **2013**, 85, 1199-1207	2.8	44
51	A reliable, single-step method for gender determination in black rhinoceros from low-copy template DNA. *Conservation Genetics Resources*, **2013**, 5, 655-657	0.8	1
50	Microsatellite loci for two threatened dragonfly (Odonata: Anisoptera) species: Oxygastra curtisii (Dale, 1834) and Macromia splendens (Pictet, 1843). *Conservation Genetics Resources*, **2013**, 5, 1171-1174	0.8	2
49	A century-long genetic record reveals that protist effective population sizes are comparable to those of macroscopic species. *Biology Letters*, **2013**, 9, 20130849	3.6	8
48	Novel Hantavirus in Wildlife, United Kingdom. *Emerging Infectious Diseases*, **2013**, 19, 673-5	10.2	26
47	Strain-specific functional and numerical responses are required to evaluate impacts on predator-prey dynamics. *ISME Journal*, **2013**, 7, 405-16	11.9	22
46	Patterns of genetic divergence among populations of the common dormouse, Muscardinus avellanarius in the UK. *Molecular Biology Reports*, **2012**, 39, 1205-15	2.8	5
45	A legacy of contrasting spatial genetic structure on either side of the Atlantic-Mediterranean transition zone in a marine protist. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 20998-1003	11.5	19
44	Plasticity of boldness in rainbow trout, Oncorhynchus mykiss: do hunger and predation influence risk-taking behaviour?. *Hormones and Behavior*, **2012**, 61, 750-7	3.7	61

43	Use of DNA barcoding to reveal species composition of convenience seafood. *Conservation Biology*, **2012**, 26, 367-71	6	33
42	Physiological and genetic correlates of boldness: characterising the mechanisms of behavioural variation in rainbow trout, Oncorhynchus mykiss. *Hormones and Behavior*, **2011**, 59, 67-74	3.7	44
41	Development of a multiplex PCR assay for fine-scale population genetic analysis of the Komodo monitor Varanus komodoensis based on 18 polymorphic microsatellite loci. *Molecular Ecology Resources*, **2011**, 11, 550-6	8.4	13
40	Field estimates of reproductive success in a model insect: behavioural surrogates are poor predictors of fitness. *Ecology Letters*, **2011**, 14, 905-13	10	38
39	Prevalence of multiple mating by female common dormice, Muscardinus avellanarius. *Conservation Genetics*, **2011**, 12, 971-979	2.6	14
38	The transcriptome of the novel dinoflagellate Oxyrrhis marina (Alveolata: Dinophyceae): response to salinity examined by 454 sequencing. *BMC Genomics*, **2011**, 12, 519	4.5	29
37	The distribution of Oxyrrhis marina: a global disperser or poorly characterized endemic?. *Journal of Plankton Research*, **2011**, 33, 579-589	2.2	37
36	Collection, isolation and culturing strategies for Oxyrrhis marina. *Journal of Plankton Research*, **2011**, 33, 569-578	2.2	27
35	Oxyrrhis marina growth, sex and reproduction. *Journal of Plankton Research*, **2011**, 33, 615-627	2.2	22
34	High genetic diversity and fine-scale spatial structure in the marine flagellate Oxyrrhis marina (Dinophyceae) uncovered by microsatellite loci. *PLoS ONE*, **2010**, 5, e15557	3.7	21
33	Phenology determines seasonal variation in ectoparasite loads in a natural insect population. *Ecological Entomology*, **2010**, 35, no-no	2.1	1
32	Temporal patterns of spatial genetic structure and effective population size in European plaice (Pleuronectes platessa) along the west coast of Scotland and in the Irish Sea. *ICES Journal of Marine Science*, **2010**, 67, 607-616	2.7	8
31	Patterns of spatial genetic structure and diversity at the onset of a rapid range expansion: colonisation of the UK by the small red-eyed damselfly Erythromma viridulum. *Biological Invasions*, **2010**, 12, 3887-3903	2.7	25
30	Patterns of genetic diversity in the marine heterotrophic flagellate Oxyrrhis marina (Alveolata: Dinophyceae). *Protist*, **2010**, 161, 212-21	2.5	31
29	Characteristics of microsatellite loci in Odonata. *International Journal of Odonatology*, **2009**, 12, 275-286	0.5	7
28	Reproductive timing and patterns of development for the damselfly Coenagrion puella in the field. *Ecology*, **2009**, 90, 2202-12	4.6	19
27	Eight microsatellite loci for the sexually transmitted, parasitic mite Coccipolipus hippodamiae. *Molecular Ecology Resources*, **2009**, 9, 619-21	8.4	
26	Isolation and characterization of 10 microsatellite loci in the common dormouse Muscardinus avellanarius. *Molecular Ecology Resources*, **2009**, 9, 1010-2	8.4	8

25	Microsatellite loci from the endemic Southern Ocean octopus Adelieledone polymorpha (Robson, 1930). *Molecular Ecology Resources*, **2009**, 9, 1068-70	8.4	4
24	A panel of microsatellite loci from two species of octopus, Pareledone turqueti (Joubin, 1905) and Pareledone charcoti (Joubin, 1905). *Molecular Ecology Resources*, **2009**, 9, 1239-42	8.4	6
23	Selection and gene flow on a diminishing cline of melanic peppered moths. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 16212-7	11.5	57
22	Strong genetic divergence indicates that congeneric damselflies Coenagrion puella and C. pulchellum (Odonata: Zygoptera: Coenagrionidae) do not hybridise. *Hydrobiologia*, **2008**, 605, 55-63	2.4	9
21	Contrasting levels of genetic differentiation among putative neutral microsatellite loci in Atlantic herring Clupea harengus populations and the implications for assessing stock structure. *Hydrobiologia*, **2008**, 606, 27-33	2.4	4
20	Effective population sizes and migration rates in fragmented populations of an endangered insect (Coenagrion mercuriale: Odonata). *Journal of Animal Ecology*, **2007**, 76, 790-800	4.7	36
19	Variable microsatellite loci isolated from the azure damselfly, Coenagrion puella (L.) (Zygoptera; Coenagrionidae). *Molecular Ecology Notes*, **2007**, 7, 880-882		6
18	Twelve microsatellite loci for marine and riverine tucuxi dolphins (Sotalia guianensis and Sotalia fluviatilis). *Molecular Ecology Notes*, **2007**, 7, 1229-1231		16
17	Di-, tri- and tetranucleotide microsatellite loci for the giant panda, Ailuropoda melanoleuca. *Molecular Ecology Notes*, **2007**, 7, 1268-1270		9
16	How useful is DNA extracted from the legs of archived insects for microsatellite-based population genetic analyses?. *Journal of Insect Conservation*, **2007**, 11, 195-198	2.1	38
15	Compatible genetic and ecological estimates of dispersal rates in insect (Coenagrion mercuriale: Odonata: Zygoptera) populations: analysis of Sneighbourhood sizeSusing a more precise estimator. *Molecular Ecology*, **2007**, 16, 737-51	5.7	101
14	Influence of contrasting larval developmental types upon the population-genetic structure of cheilostome bryozoans. *Marine Biology*, **2006**, 149, 1093-1101	2.5	29
13	Population structure and the impact of regional and local habitat isolation upon levels of genetic diversity of the endangered damselfly Coenagrion mercuriale (Odonata: Zygoptera). *Freshwater Biology*, **2006**, 51, 193-205	3.1	33
12	Parthenogenesis in Komodo dragons. *Nature*, **2006**, 444, 1021-2	50.4	121
11	Conservation implications of genetic variation between spatially and temporally distinct colonies of the endangered damselfly Coenagrion mercuriale. *Ecological Entomology*, **2005**, 30, 541-547	2.1	16
10	Trinucleotide microsatellite loci in the yellow dung fly Scathophaga stercoraria (Diptera: Scathophagidae). *Molecular Ecology Notes*, **2005**, 5, 30-32		2
9	Ten microsatellite loci for the small red-eyed damselfly Erythromma viridulum (Charpentier). *Molecular Ecology Notes*, **2005**, 5, 788-790		7
8	Polymorphic microsatellite loci isolated from the great scallop, Pecten maximus (Bivalvia: Pectinidae). *Molecular Ecology Notes*, **2005**, 5, 902-904		11

7	Polymorphic microsatellite loci in the black-and-gold chromis, Neoglyphidodon nigroris (Teleostei: Pomacentridae). *Molecular Ecology Notes*, **2004**, 4, 93-95		2
6	Cross-species amplification of microsatellite loci in some European zygopteran species (Odonata: Coenagrionidae). *International Journal of Odonatology*, **2004**, 7, 87-96	0.5	13
5	Genetic structure of juvenile plaice Pleuronectes platessa on nursery grounds within the Irish Sea. *Journal of Sea Research*, **2004**, 51, 191-197	1.9	7
4	Polymorphic microsatellite loci in the European plaice, Pleuronectes platessa, and their utility in flounder, lemon sole and Dover sole. *Journal of the Marine Biological Association of the United Kingdom*, **2001**, 81, 367-368	1.1	4
3	An analysis of the nematocysts of the beadlet anemone Actinia equina and the green sea anemone Actinia prasina. *Journal of the Marine Biological Association of the United Kingdom*, **2000**, 80, 719-724	1.1	22
2	Natural and anthropogenic dispersal mechanisms in the marine environment: a study using cheilostome Bryozoa. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **1998**, 353, 453-464	5.8	47
1	Phenotypic Identification of three Genetically Differentiated Morphs of the Intertidal Beadlet Anemone Actinia Equina (Anthozoa: Cnidaria). *Journal of the Marine Biological Association of the United Kingdom*, **1998**, 78, 1365-1368	1.1	7