

# Stuart B Piertney

## List of Publications by Year in descending order

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118  
papers

5,092  
citations

87843

38  
h-index

102432

66  
g-index

120  
all docs

120  
docs citations

120  
times ranked

5796  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scavenging amphipods from the Wallaby-Zenith Fracture Zone: Extending the hadal paradigm beyond subduction trenches. <i>Marine Biology</i> , 2021, 168, 1.	0.7	17
2	Plasticity is a locally adapted trait with consequences for ecological dynamics in novel environments. <i>Ecology and Evolution</i> , 2021, 11, 10868-10879.	0.8	2
3	Parasite-mediated selection in red grouse “ consequences for population dynamics and mate choice. , 2019, , 296-320.		2
4	Microbiome composition within a sympatric species complex of intertidal isopods ( <i>Jaera albifrons</i> ). <i>PLoS ONE</i> , 2018, 13, e0202212.	1.1	12
5	Mixed <i>Leptospira</i> Infections in a Diverse Reservoir Host Community, Madagascar, 2013–2015. <i>Emerging Infectious Diseases</i> , 2018, 24, 1138-1140.	2.0	18
6	Signatures of balancing selection in toll-like receptor (TLRs) genes “ novel insights from a free-living rodent. <i>Scientific Reports</i> , 2018, 8, 8361.	1.6	38
7	Estimating demographic contributions to effective population size in an age-structured wild population experiencing environmental and demographic stochasticity. <i>Journal of Animal Ecology</i> , 2017, 86, 1082-1093.	1.3	19
8	Phylogeography of <i>Rattus norvegicus</i> in the South Atlantic Ocean. <i>Diversity</i> , 2016, 8, 32.	0.7	5
9	Resolving patterns of population genetic and phylogeographic structure to inform control and eradication initiatives for brown rats <i>Rattus norvegicus</i> on South Georgia. <i>Journal of Applied Ecology</i> , 2016, 53, 332-339.	1.9	16
10	Harvested populations are more variable only in more variable environments. <i>Ecology and Evolution</i> , 2016, 6, 4179-4191.	0.8	11
11	The role of parasite-driven selection in shaping landscape genomic structure in red grouse ( <i>Lagopus lagopus scotica</i> ). <i>Molecular Ecology</i> , 2016, 25, 324-341.	2.0	16
12	Evidence of the phenotypic expression of a lethal recessive allele under inbreeding in a wild population of conservation concern. <i>Journal of Animal Ecology</i> , 2016, 85, 879-891.	1.3	22
13	Isolation and Characterization of Microsatellite DNA Markers in the Deep-Sea Amphipod <i>Paralicella tenuipes</i> by Illumina MiSeq Sequencing. <i>Journal of Heredity</i> , 2016, 107, 367-371.	1.0	9
14	High-Throughput DNA Sequencing and the Next Generation of Molecular Markers in Wildlife Research. <i>Wildlife Research Monographs</i> , 2016, , 201-223.	0.4	4
15	Major Histocompatibility Complex (MHC) class II sequence polymorphism in long-finned pilot whale ( <i>Globicephala melas</i> ) from the North Atlantic. <i>Marine Biology Research</i> , 2016, 12, 595-607.	0.3	0
16	Adaptive and neutral genetic differentiation among Scottish and endangered Irish red grouse ( <i>Lagopus lagopus scotica</i> ). <i>Conservation Genetics</i> , 2016, 17, 615-630.	0.8	18
17	Morphological and ontogenetic stratification of abyssal and hadal <i>Eurythenes gryllus sensu lato</i> (Amphipoda: Lysianassoidea) from the Peru–Chile Trench. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 109, 91-98.	0.6	30
18	Gene dynamics of toll-like receptor 4 through a population bottleneck in an insular population of water voles ( <i>Arvicola amphibius</i> ). <i>Conservation Genetics</i> , 2015, 16, 1181-1193.	0.8	11

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19	Digging for gold nuggets: uncovering novel candidate genes for variation in gastrointestinal nematode burden in a wild bird species. <i>Journal of Evolutionary Biology</i> , 2015, 28, 807-825.	0.8	7
20	Genome-wide association and genome partitioning reveal novel genomic regions underlying variation in gastrointestinal nematode burden in a wild bird. <i>Molecular Ecology</i> , 2015, 24, 4175-4192.	2.0	20
21	In silico identification and characterisation of 17 polymorphic anonymous non-coding sequence markers (ANMs) for red grouse ( <i>Lagopus lagopus scotica</i> ). <i>Conservation Genetics Resources</i> , 2015, 7, 319-323.	0.4	2
22	Identification and characterisation of 17 polymorphic candidate genes for response to parasitic nematode ( <i>Trichostrongylus tenuis</i> ) infection in red grouse ( <i>Lagopus lagopus scotica</i> ). <i>Conservation Genetics Resources</i> , 2015, 7, 23-28.	0.4	3
23	Phylogenetic relationships among hadal amphipods of the Superfamily Lysianassoidea: Implications for taxonomy and biogeography. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 105, 119-131.	0.6	61
24	Connectivity and Dispersal Patterns of Protected Biogenic Reefs: Implications for the Conservation of <i>Modiolus modiolus</i> (L.) in the Irish Sea. <i>PLoS ONE</i> , 2015, 10, e0143337.	1.1	17
25	Long-finned pilot whale population diversity and structure in Atlantic waters assessed through biogeochemical and genetic markers. <i>Marine Ecology - Progress Series</i> , 2015, 536, 243-257.	0.9	9
26	Roosting Habits of Daubenton's Bat ( <i>Myotis daubentonii</i> ) during Reproduction Differs between Adjacent River Valleys. <i>Acta Chiropterologica</i> , 2014, 16, 337-347.	0.2	11
27	Eco-Evolutionary Dynamics. <i>Advances in Ecological Research</i> , 2014, 50, 171-206.	1.4	10
28	A genetic screen of the island races of Wren Troglodytes troglodytes in the North-east Atlantic. <i>Bird Study</i> , 2014, 61, 135-142.	0.4	9
29	Fine-scale population epigenetic structure in relation to gastrointestinal parasite load in red grouse ( <i>Lagopus lagopus scotica</i> ). <i>Molecular Ecology</i> , 2014, 23, 4256-4273.	2.0	51
30	A systematic review of phenotypic responses to between-population outbreeding. <i>Environmental Evidence</i> , 2013, 2, 13.	1.1	38
31	Using population genetic structure of an invasive mammal to target control efforts – An example of the American mink in Scotland. <i>Biological Conservation</i> , 2013, 167, 35-42.	1.9	27
32	A transcriptomic investigation of handicap models in sexual selection. <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 221-234.	0.6	9
33	The supergiant amphipod <i>Alicella gigantea</i> (Crustacea: Alicellidae) from hadal depths in the Kermadec Trench, SW Pacific Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 92, 107-113.	0.6	39
34	Population genetic structure of the abyssal grenadier ( <i>Coryphaenoides armatus</i> ) around the mid-Atlantic ridge. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 98, 431-437.	0.6	11
35	Eco-evolutionary dynamics in response to selection on life-history. <i>Ecology Letters</i> , 2013, 16, 754-763.	3.0	63
36	Individual variation in dispersal associated with phenotype influences fine-scale genetic structure in weasels. <i>Conservation Genetics</i> , 2013, 14, 499-509.	0.8	21

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37	Corrigendum to Cameron et al. 2013. Ecology Letters, 2013, 16, 1330-1330.	3.0	0
38	Selection Maintains MHC Diversity through a Natural Population Bottleneck. Molecular Biology and Evolution, 2012, 29, 1713-1720.	3.5	71
39	Disease transmission in an extreme environment: Nematode parasites infect reindeer during the Arctic winter. International Journal for Parasitology, 2012, 42, 789-795.	1.3	20
40	Pronounced genetic structure and low genetic diversity in European red-billed chough ( <i>Pyrrhocorax</i> )	0.8	25
41	Genetic variation among endangered Irish red grouse ( <i>Lagopus lagopus hibernicus</i> ) populations: implications for conservation and management. Conservation Genetics, 2012, 13, 639-647.	0.8	8
42	Impacts of climate, host and landscape factors on <i>Culicoides</i> species in Scotland. Medical and Veterinary Entomology, 2012, 26, 168-177.	0.7	56
43	Environmental and genetic influences on body mass and resting metabolic rates (RMR) in a natural population of weasel <i>Mustela nivalis</i> . Molecular Ecology, 2012, 21, 1283-1293.	2.0	23
44	Identification of genes responding to nematode infection in red grouse. Molecular Ecology Resources, 2011, 11, 305-313.	2.2	16
45	Transcriptomic response of red grouse to gastrointestinal nematode parasites and testosterone: implications for population dynamics. Molecular Ecology, 2011, 20, 920-931.	2.0	23
46	Genetic differentiation among North Atlantic killer whale populations. Molecular Ecology, 2011, 20, 629-641.	2.0	86
47	Frontiers in host-parasite ecology and evolution. Molecular Ecology, 2011, 20, 869-871.	2.0	26
48	Spatial association of nest construction by brown trout <i>Salmo trutta</i> . Journal of Fish Biology, 2011, 78, 713-725.	0.7	11
49	Survey and management of mussel <i>Mytilus</i> species in Scotland. Hydrobiologia, 2011, 670, 127-140.	1.0	7
50	Fine-scale genetic structure of bottlenose dolphins, <i>Tursiops truncatus</i> , in Atlantic coastal waters of the Iberian Peninsula. Hydrobiologia, 2011, 670, 111-125.	1.0	33
51	Isolation and characterisation of 17 microsatellite loci for the red-billed chough ( <i>Pyrrhocorax</i> )	0.4	8
52	Characterising functionally important and ecologically meaningful genetic diversity using a candidate gene approach. Genetica, 2010, 138, 419-432.	0.5	32
53	Beyond splitting hares and rabbiting on about major histocompatibility complex complexity. Molecular Ecology, 2010, 19, 4099-4101.	2.0	6
54	Physiological stress links parasites to carotenoid-based colour signals. Journal of Evolutionary Biology, 2010, 23, 643-650.	0.8	75

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55	Testing the interactive effects of testosterone and parasites on carotenoid-based ornamentation in a wild bird. <i>Journal of Evolutionary Biology</i> , 2010, 23, 902-913.	0.8	38
56	Oxidative stress and the effect of parasites on a carotenoid-based ornament. <i>Journal of Experimental Biology</i> , 2010, 213, 400-407.	0.8	56
57	Spatio-temporal variation in the strength and mode of selection acting on major histocompatibility complex diversity in water vole ( <i>Arvicola terrestris</i> ) metapopulations. <i>Molecular Ecology</i> , 2009, 18, 80-92.	2.0	59
58	The Development of a Molecular Assay to Distinguish Droppings of Black Grouse Tetrao tetrax from those of Capercaillie Tetrao urogallus and Red Grouse Lagopus Lagopus Scoticus. <i>Wildlife Biology</i> , 2009, 15, 328-337.	0.6	3
59	Discrimination of <i>Culicoides</i> Midge Larvae Using Multiplex Polymerase Chain Reaction Assays Based on DNA Sequence Variation at the Mitochondrial Cytochrome C Oxidase I Gene. <i>Journal of Medical Entomology</i> , 2009, 46, 610-614.	0.9	26
60	Major histocompatibility complex (MHC) heterozygote superiority to natural multi-parasite infections in the water vole ( <i>Arvicola terrestris</i> ). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1119-1128.	1.2	154
61	Honest sexual signalling mediated by parasite and testosterone effects on oxidative balance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1093-1100.	1.2	80
62	<i>Mytilus</i> species under rope culture in Scotland: implications for management. <i>Aquaculture International</i> , 2009, 17, 437-448.	1.1	12
63	Landscape barriers reduce gene flow in an invasive carnivore: geographical and local genetic structure of American mink in Scotland. <i>Molecular Ecology</i> , 2009, 18, 1601-1615.	2.0	77
64	Ecological, morphological and genetic divergence of sympatric North Atlantic killer whale populations. <i>Molecular Ecology</i> , 2009, 18, 5207-5217.	2.0	156
65	Survey of mussel ( <i>Mytilus</i> ) species at Scottish shellfish farms. <i>Aquaculture Research</i> , 2009, 40, 1715-1722.	0.9	24
66	Phylogenetic analysis indicates that <i>Culicoides dewulfi</i> should not be considered part of the <i>Culicoides obsoletus</i> complex. <i>Bulletin of Entomological Research</i> , 2009, 99, 371-375.	0.5	32
67	Physiological Stress Mediates the Honesty of Social Signals. <i>PLoS ONE</i> , 2009, 4, e4983.	1.1	86
68	Incursion and range expansion in the bluetongue vector <i>Culicoides imicola</i> in the Mediterranean basin: a phylogeographic analysis. <i>Medical and Veterinary Entomology</i> , 2008, 22, 340-351.	0.7	24
69	Temporal changes in kin structure through a population cycle in a territorial bird, the red grouse <i>Lagopus lagopus scoticus</i> . <i>Molecular Ecology</i> , 2008, 17, 2544-2551.	2.0	37
70	Spatial distribution of mitochondrial and microsatellite DNA variation in Daubenton's bat within Scotland. <i>Molecular Ecology</i> , 2008, 17, 3243-3258.	2.0	24
71	Development of a real-time PCR assay for detection of <i>Mytilus</i> species specific alleles: Application to a sampling survey in Scotland. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008, 367, 253-258.	0.7	31
72	Microsatellite DNA polymorphism confirms reproductive isolation and reveals differences in population genetic structure of cryptic pipistrelle bat species. <i>Biological Journal of the Linnean Society</i> , 2007, 90, 539-550.	0.7	47

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73	Inferring local adaptation from QST?FST comparisons: neutral genetic and quantitative trait variation in European populations of great snipe. <i>Journal of Evolutionary Biology</i> , 2007, 20, 1563-1576.	0.8	89
74	Rapid diagnostic PCR assays for members of the <i>Culicoides obsoletus</i> and <i>Culicoides pulicaris</i> species complexes, implicated vectors of bluetongue virus in Europe. <i>Veterinary Microbiology</i> , 2007, 124, 82-94.	0.8	137
75	Phylogeography of the European capercaillie ( <i>Tetrao urogallus</i> ) and its implications for conservation. <i>Journal Fur Ornithologie</i> , 2007, 148, 269-274.	1.2	27
76	Widespread gene flow and high genetic variability in populations of water voles <i>Arvicola terrestris</i> in patchy habitats. <i>Molecular Ecology</i> , 2006, 15, 1455-1466.	2.0	56
77	The evolutionary ecology of the major histocompatibility complex. <i>Heredity</i> , 2006, 96, 7-21.	1.2	746
78	Isolation and characterization of a MHC class II DRB locus in the European water vole ( <i>Arvicola</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	1.2	28
79	Elevated spring testosterone increases parasite intensity in male red grouse. <i>Behavioral Ecology</i> , 2006, 17, 117-125.	1.0	62
80	Separating Behavioral and Physiological Mechanisms in Testosteroneâ€Mediated Tradeâ€Offs. <i>American Naturalist</i> , 2005, 166, 158-168.	1.0	47
81	Phylogeographic structure and postglacial evolutionary history of water voles ( <i>Arvicola terrestris</i> ) in the United Kingdom. <i>Molecular Ecology</i> , 2005, 14, 1435-1444.	2.0	41
82	Experimentally increased aggressiveness reduces population kin structure and subsequent recruitment in red grouse <i>Lagopus lagopus scoticus</i> . <i>Journal of Animal Ecology</i> , 2005, 74, 488-497.	1.3	33
83	DNA-based identification of salmonid prey species in seal faeces. <i>Journal of Zoology</i> , 2005, 266, 275-281.	0.8	42
84	Inferring Pattern and Process in Small Mammal Metapopulations. , 2004, , 515-540.		19
85	Comparison of the cost of short flights in a nectarivorous and a non-nectarivorous bird. <i>Journal of Experimental Biology</i> , 2004, 207, 3959-3968.	0.8	32
86	Testosterone, immunocompetence, and honest sexual signaling in male red grouse. <i>Behavioral Ecology</i> , 2004, 15, 930-937.	1.0	127
87	Characterization and PCR multiplexing of novel highly variable tetranucleotide Atlantic salmon ( <i>Salmo salar</i> L.) microsatellites. <i>Molecular Ecology Notes</i> , 2004, 4, 160-162.	1.7	146
88	<i>Anopheles gambiae</i> collagen IV genes: cloning, phylogeny and midgut expression associated with blood feeding and <i>Plasmodium</i> infection. <i>International Journal for Parasitology</i> , 2003, 33, 681-690.	1.3	18
89	Phylogenetic relationships among cirrate octopods (Mollusca: Cephalopoda) resolved using mitochondrial 16S ribosomal DNA sequences. <i>Molecular Phylogenetics and Evolution</i> , 2003, 27, 348-353.	1.2	24
90	Demographic and genetic structure of fossorial water voles ( <i>Arvicola terrestris</i> ) on Scottish islands. <i>Journal of Zoology</i> , 2003, 259, 23-29.	0.8	18

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91	Parentage assignment detects frequent and large-scale dispersal in water voles. <i>Molecular Ecology</i> , 2003, 12, 1939-1949.	2.0	70
92	The use and abuse of microsatellite DNA markers in conservation biology. <i>Wildlife Biology</i> , 2003, 9, 243-250.	0.6	15
93	Major histocompatibility complex B-LB gene variation in red grouse <i>Lagopus lagopus scoticus</i> . <i>Wildlife Biology</i> , 2003, 9, 251-259.	0.6	15
94	Inbreeding depression and male fitness in black grouse. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 711-715.	1.2	125
95	Similar estimates of population genetic composition and sex ratio derived from carcasses and faeces of Eurasian otter <i>Lutra lutra</i> . <i>Molecular Ecology</i> , 2002, 12, 275-282.	2.0	100
96	Characterization of polymorphic microsatellite DNA markers in the ruff ( <i>Philomachus pugnax</i> ). <i>Molecular Ecology Notes</i> , 2002, 2, 276-277.	1.7	8
97	Characterization of microsatellite DNA markers in the white-bearded manakin ( <i>Manacus manacus</i> ). <i>Molecular Ecology Notes</i> , 2002, 2, 504-505.	1.7	19
98	Title is missing!. <i>Conservation Genetics</i> , 2002, 3, 15-28.	0.8	46
99	Characterization of polymorphic microsatellite DNA markers in the ruff ( <i>Philomachus pugnax</i> ). <i>Molecular Ecology Notes</i> , 2002, 2, 276-277.	1.7	17
100	Polymorphic microsatellite DNA markers in black grouse ( <i>Tetrao tetrix</i> ). <i>Molecular Ecology Notes</i> , 2001, 1, 303-304.	1.7	80
101	Microsatellite and mitochondrial DNA homogeneity among phenotypically diverse crossbill taxa in the UK. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 1511-1517.	1.2	45
102	Microsatellite markers for the fossa ( <i>Cryptoprocta ferox</i> ). <i>Molecular Ecology</i> , 2000, 9, 489-490.	2.0	11
103	Spatial arrangement of kin affects recruitment success in young male red grouse. <i>Oikos</i> , 2000, 90, 261-270.	1.2	58
104	Fine-scale genetic structuring on <i>Manacus manacus</i> leks. <i>Nature</i> , 2000, 408, 352-353.	13.7	102
105	MATRILINEAL GENETIC STRUCTURE AND FEMALE-MEDIATED GENE FLOW IN RED GROUSE ( <i>LAGOPUS LAGOPUS</i> ) <i>Tj ETQq1 1 0.784314 r</i> <i>Evolution</i> , 2000, 54, 279-289.	1.1	10
106	Sex identification of the Eurasian otter <i>Lutra lutra</i> by PCR typing of spraints. <i>Conservation Genetics</i> , 2000, 1, 181-183.	0.8	66
107	MATRILINEAL GENETIC STRUCTURE AND FEMALE-MEDIATED GENE FLOW IN RED GROUSE ( <i>LAGOPUS LAGOPUS</i> ) <i>Tj ETQq1 1 0.784314 r</i> <i>Evolution</i> , 2000, 54, 279.	1.1	39
108	Isolation and characterization of microsatellite loci in the freshwater gastropod, <i>Biomphalaria glabrata</i> , an intermediate host for <i>Schistosoma mansoni</i> . <i>Molecular Ecology</i> , 1999, 8, 2149-2151.	2.0	37

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109	Genetic diversity in the Eurasian otter, <i>Lutra lutra</i> , in Scotland. Evidence from microsatellite polymorphism. <i>Biological Journal of the Linnean Society</i> , 1999, 68, 73-86.	0.7	42
110	Metapopulation genetic structure in the water vole, <i>Arvicola terrestris</i> , in NE Scotland. <i>Biological Journal of the Linnean Society</i> , 1999, 68, 159-171.	0.7	35
111	Spatial distribution of genetic relatedness in a moorland population of red grouse ( <i>Lagopus lagopus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlo 0.7 45	0.7	45
112	Foreword: The Natural Environment Research Council-Royal Society of Edinburgh Symposium on Molecular Genetics in Animal Ecology, September 1998. <i>Biological Journal of the Linnean Society</i> , 1999, 68, 1.	0.7	0
113	Spatial distribution of genetic relatedness in a moorland population of red grouse ( <i>Lagopus lagopus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlo 0.7 45	0.7	45
114	Population introgression and differentiation in the great cormorant <i>Phalacrocorax carbo</i> in Europe. <i>Molecular Ecology</i> , 1998, 7, 329-338.	2.0	37
115	Local genetic structure in red grouse ( <i>Lagopus lagopus scoticus</i> ): evidence from microsatellite DNA markers. <i>Molecular Ecology</i> , 1998, 7, 1645-1654.	2.0	172
116	Interspecific Comparisons of Genetic Population Structure in Members of the Jaera Albifrons Species Complex. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1997, 77, 77-93.	0.4	11
117	Detection of High Levels of Genetic Relatedness in Rock-Populations of an Intertidal Isopod Using DNA Fingerprinting. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1995, 75, 967-976.	0.4	6
118	Microgeographic genetic differentiation in the intertidal isopod <i>Jaera albifrons</i> Leach. II. Temporal variation in allele frequencies. <i>Journal of Experimental Marine Biology and Ecology</i> , 1995, 188, 277-288.	0.7	29