

# David S Richardson

## List of Publications by Citations

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123  
papers

4,164  
citations

39  
h-index

61  
g-index

133  
ext. papers

4,800  
ext. citations

4.5  
avg, IF

5.75  
L-index

#	Paper	IF	Citations
123	How pathogens drive genetic diversity: MHC, mechanisms and misunderstandings. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2010</b> , 277, 979-88	4.4	485
122	Sex differences in telomeres and lifespan. <i>Aging Cell</i> , <b>2011</b> , 10, 913-21	9.9	220
121	Telomere length and dynamics predict mortality in a wild longitudinal study. <i>Molecular Ecology</i> , <b>2013</b> , 22, 249-59	5.7	152
120	Direct benefits and the evolution of female-biased cooperative breeding in Seychelles warblers. <i>Evolution; International Journal of Organic Evolution</i> , <b>2002</b> , 56, 2313-21	3.8	147
119	MHC-based patterns of social and extra-pair mate choice in the Seychelles warbler. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2005</b> , 272, 759-67	4.4	123
118	Inbreeding in the Seychelles warbler: environment-dependent maternal effects. <i>Evolution; International Journal of Organic Evolution</i> , <b>2004</b> , 58, 2037-48	3.8	93
117	MHC diversity in two <i>Acrocephalus</i> species: the outbred Great reed warbler and the inbred Seychelles warbler. <i>Molecular Ecology</i> , <b>2003</b> , 12, 3523-9	5.7	84
116	Why Seychelles Warblers fail to recolonize nearby islands: unwilling or unable to fly there?. <i>Ibis</i> , <b>2004</b> , 146, 298-302	1.9	82
115	MHC-dependent survival in a wild population: evidence for hidden genetic benefits gained through extra-pair fertilizations. <i>Molecular Ecology</i> , <b>2010</b> , 19, 3444-55	5.7	81
114	MHC heterozygosity and survival in red junglefowl. <i>Molecular Ecology</i> , <b>2010</b> , 19, 3064-75	5.7	78
113	Sexual selection and the differential effect of polyandry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 8641-5	11.5	76
112	Genetic and phenotypic divergence in an island bird: isolation by distance, by colonization or by adaptation?. <i>Molecular Ecology</i> , <b>2014</b> , 23, 1028-39	5.7	73
111	The role of group size and environmental factors on survival in a cooperatively breeding tropical passerine. <i>Journal of Animal Ecology</i> , <b>2006</b> , 75, 1321-9	4.7	73
110	Heritability of telomere variation: it is all about the environment!. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 373,	5.8	72
109	Gene conversion rapidly generates major histocompatibility complex diversity in recently founded bird populations. <i>Molecular Ecology</i> , <b>2011</b> , 20, 5213-25	5.7	71
108	Spatio-temporal variation in territory quality and oxidative status: a natural experiment in the Seychelles warbler ( <i>Acrocephalus sechellensis</i> ). <i>Journal of Animal Ecology</i> , <b>2011</b> , 80, 668-80	4.7	67
107	Cryptic female choice favours sperm from major histocompatibility complex-dissimilar males. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2013</b> , 280, 20131296	4.4	62

106	Experimental evidence for innate predator recognition in the Seychelles warbler. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2000</b> , 267, 2253-8	4.4	62
105	Cryptic preference for MHC-dissimilar females in male red junglefowl, <i>Gallus gallus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 276, 1083-92	4.4	61
104	Extrapair paternity and variance in reproductive success related to breeding density in Bullock's orioles. <i>Animal Behaviour</i> , <b>2001</b> , 62, 519-525	2.8	61
103	Parasitic infection and oxidative status are associated and vary with breeding activity in the Seychelles warbler. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 279, 1466-76	4.4	59
102	Male reproductive senescence causes potential for sexual conflict over mating. <i>Current Biology</i> , <b>2010</b> , 20, 1192-6	6.3	56
101	Avian behaviour: Altruism and infidelity among warblers. <i>Nature</i> , <b>2003</b> , 422, 580	50.4	54
100	Experimental evidence that kin discrimination in the Seychelles warbler is based on association and not on genetic relatedness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 271, 963-9	4.4	52
99	Age, origins and extinctions of the avifauna of Macaronesia: a synthesis of phylogenetic and fossil information. <i>Quaternary Science Reviews</i> , <b>2012</b> , 50, 14-22	3.9	51
98	Spatio-temporal variation in lifelong telomere dynamics in a long-term ecological study. <i>Journal of Animal Ecology</i> , <b>2018</b> , 87, 187-198	4.7	50
97	The measure and significance of Bateman's principles. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281, 20132973	4.4	49
96	Experimental evidence for density-dependent reproduction in a cooperatively breeding passerine. <i>Ecology</i> , <b>2009</b> , 90, 729-41	4.6	49
95	Age-dependent terminal declines in reproductive output in a wild bird. <i>PLoS ONE</i> , <b>2012</b> , 7, e40413	3.7	47
94	Population history of Berthelot's pipit: colonization, gene flow and morphological divergence in Macaronesia. <i>Molecular Ecology</i> , <b>2007</b> , 16, 4599-612	5.7	46
93	Grandparent helpers: the adaptive significance of older, postdominant helpers in the Seychelles warbler. <i>Evolution; International Journal of Organic Evolution</i> , <b>2007</b> , 61, 2790-800	3.8	46
92	Genetic variation in two endangered <i>Acrocephalus</i> species compared to a widespread congener: estimates based on functional and random loci. <i>Animal Conservation</i> , <b>2005</b> , 8, 83-90	3.2	44
91	Predictors of malaria infection in a wild bird population: landscape-level analyses reveal climatic and anthropogenic factors. <i>Journal of Animal Ecology</i> , <b>2014</b> , 83, 1091-102	4.7	43
90	Museum DNA reveals the demographic history of the endangered Seychelles warbler. <i>Evolutionary Applications</i> , <b>2014</b> , 7, 1134-43	4.8	43
89	Assessing the cost of helping: the roles of body condition and oxidative balance in the Seychelles warbler ( <i>Acrocephalus sechellensis</i> ). <i>PLoS ONE</i> , <b>2011</b> , 6, e26423	3.7	43

88	Phylogenetic relationships, biogeography and speciation in the avian genus <i>Saxicola</i> . <i>Molecular Phylogenetics and Evolution</i> , <b>2008</b> , 48, 1145-54	4.1	43
87	Biogeographical patterns and co-occurrence of pathogenic infection across island populations of Berthelot's pipit ( <i>Anthus berthelotii</i> ). <i>Oecologia</i> , <b>2012</b> , 168, 691-701	2.9	40
86	Senescence in the wild: Insights from a long-term study on Seychelles warblers. <i>Experimental Gerontology</i> , <b>2015</b> , 71, 69-79	4.5	39
85	Reduced blood parasite prevalence with age in the Seychelles Warbler: selective mortality or suppression of infection?. <i>Journal of Ornithology</i> , <b>2010</b> , 151, 69-77	1.5	39
84	Genetic characterization, distribution and prevalence of avian pox and avian malaria in the Berthelot's pipit ( <i>Anthus berthelotii</i> ) in Macaronesia. <i>Parasitology Research</i> , <b>2008</b> , 103, 1435-43	2.4	35
83	Breeders that receive help age more slowly in a cooperatively breeding bird. <i>Nature Communications</i> , <b>2019</b> , 10, 1301	17.4	34
82	The impact of translocations on neutral and functional genetic diversity within and among populations of the Seychelles warbler. <i>Molecular Ecology</i> , <b>2014</b> , 23, 2165-77	5.7	34
81	Telomere length reveals cumulative individual and transgenerational inbreeding effects in a passerine bird. <i>Molecular Ecology</i> , <b>2016</b> , 25, 2949-60	5.7	33
80	Drift, not selection, shapes toll-like receptor variation among oceanic island populations. <i>Molecular Ecology</i> , <b>2015</b> , 24, 5852-63	5.7	33
79	Reconstructing paternal genotypes to infer patterns of sperm storage and sexual selection in the hawksbill turtle. <i>Molecular Ecology</i> , <b>2013</b> , 22, 2301-12	5.7	32
78	Evolution of parasite island syndromes without long-term host population isolation: parasite dynamics in Macaronesian blackcaps <i>Sylvia atricapilla</i> . <i>Global Ecology and Biogeography</i> , <b>2013</b> , 22, 1272-1281	6.1	32
77	Genetic monogamy in Monteiro's hornbill, <i>Tockus monteiri</i> . <i>Animal Behaviour</i> , <b>2002</b> , 63, 787-793	2.8	32
76	Genetic Consequences of Reintroductions and Insights from Population History <b>2012</b> , 395-440		31
75	Pre- and postcopulatory sexual selection favor aggressive, young males in polyandrous groups of red junglefowl. <i>Evolution; International Journal of Organic Evolution</i> , <b>2017</b> , 71, 1653-1669	3.8	29
74	Delayed dispersal and the costs and benefits of different routes to independent breeding in a cooperatively breeding bird. <i>Evolution; International Journal of Organic Evolution</i> , <b>2016</b> , 70, 2595-2610	3.8	29
73	Sex biased natal dispersal in a closed, saturated population of Seychelles warblers <i>Acrocephalus sechellensis</i> . <i>Journal of Avian Biology</i> , <b>2008</b> , 39, 73-80	1.9	28
72	A nesting association between semi-colonial Bullock's orioles and yellow-billed magpies: evidence for the predator protection hypothesis. <i>Behavioral Ecology and Sociobiology</i> , <b>1999</b> , 46, 373-380	2.5	28
71	Helpers at the nest improve late-life offspring performance: evidence from a long-term study and a cross-foster experiment. <i>PLoS ONE</i> , <b>2012</b> , 7, e33167	3.7	27

70	No effects of a feather mite on body condition, survivorship, or grooming behavior in the Seychelles warbler, <i>Acrocephalus sechellensis</i> . <i>Behavioral Ecology and Sociobiology</i> , <b>2001</b> , 50, 257-262	2.5	27
69	COMPARATIVE ANALYSES OF POPULATION STRUCTURE IN TWO SUBSPECIES OF NIGELLA DEGENII: EVIDENCE FOR DIVERSIFYING SELECTION ON POLLEN-COLOR DIMORPHISMS. <i>Evolution; International Journal of Organic Evolution</i> , <b>2006</b> , 60, 518-528	3.8	25
68	Age-specific haemosporidian infection dynamics and survival in Seychelles warblers. <i>Scientific Reports</i> , <b>2016</b> , 6, 29720	4.9	24
67	Experimental evaluation of sex differences in territory acquisition in a cooperatively breeding bird. <i>Behavioral Ecology</i> , <b>2009</b> , 20, 207-214	2.3	21
66	Testosterone, cuckoldry risk and extra-pair opportunities in the Seychelles warbler. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 271, 1023-31	4.4	21
65	Factors affecting the distribution of haemosporidian parasites within an oceanic island. <i>International Journal for Parasitology</i> , <b>2017</b> , 47, 225-235	4.3	20
64	Kinship and familiarity mitigate costs of social conflict between Seychelles warbler neighbors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E9036-E9045	11.5	20
63	Kin-Recognition Mechanisms in Cooperative Breeding Systems: Ecological Causes and Behavioral Consequences of Variation <b>2008</b> , 175-193		19
62	The cost of prospecting for dispersal opportunities in a social bird. <i>Biology Letters</i> , <b>2016</b> , 12,	3.6	18
61	Do Primary Males Physiologically Suppress Subordinate Males? An Experiment in a Cooperatively Breeding Passerine. <i>Ethology</i> , <b>2009</b> , 115, 576-587	1.7	16
60	Sex biased natal dispersal is not a fixed trait in a stable population of Seychelles warblers. <i>Behaviour</i> , <b>2010</b> , 147, 1577-1590	1.4	15
59	Feather mite loads influenced by salt exposure, age and reproductive stage in the Seychelles Warbler <i>Acrocephalus sechellensis</i> . <i>Journal of Avian Biology</i> , <b>2001</b> , 32, 364-369	1.9	15
58	Differential dispersal costs and sex-biased dispersal distance in a cooperatively breeding bird. <i>Behavioral Ecology</i> , <b>2017</b> , 28, 1113-1121	2.3	14
57	Genomic associations with bill length and disease reveal drift and selection across island bird populations. <i>Evolution Letters</i> , <b>2018</b> , 2, 22-36	5.3	14
56	Molecular techniques reveal cryptic life history and demographic processes of a critically endangered marine turtle. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2014</b> , 455, 29-37	2.1	14
55	Oxidative status and fitness components in the Seychelles warbler. <i>Functional Ecology</i> , <b>2017</b> , 31, 1210-1219	3.19	13
54	Spatial ecology of a range-expanding bumble bee pollinator. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 986-997	2.8	13
53	The contrasting role of male relatedness in different mechanisms of sexual selection in red junglefowl. <i>Evolution; International Journal of Organic Evolution</i> , <b>2017</b> , 71, 403-420	3.8	13

52	Population history, gene flow, and bottlenecks in island populations of a secondary seed disperser, the southern grey shrike ( <i>Lanius meridionalis koenigi</i> ). <i>Ecology and Evolution</i> , <b>2015</b> , 5, 36-45	2.8	13
51	454 screening of individual MHC variation in an endemic island passerine. <i>Immunogenetics</i> , <b>2015</b> , 67, 149-62	3.2	13
50	Continental-scale patterns of pathogen prevalence: a case study on the corncrake. <i>Evolutionary Applications</i> , <b>2014</b> , 7, 1043-55	4.8	13
49	Landscape-scale variation in an anthropogenic factor shapes immune gene variation within a wild population. <i>Molecular Ecology</i> , <b>2016</b> , 25, 4234-46	5.7	13
48	The impact of conservation-driven translocations on blood parasite prevalence in the Seychelles warbler. <i>Scientific Reports</i> , <b>2016</b> , 6, 29596	4.9	12
47	Absolute standards as a useful addition to the avian quantitative PCR telomere assay. <i>Journal of Avian Biology</i> , <b>2012</b> , 43, 571-576	1.9	12
46	Seychelles warblers: Complexities of the helping paradox 197-216		12
45	Corncrake conservation genetics at a European scale: The impact of biogeographical and anthropological processes. <i>Biological Conservation</i> , <b>2016</b> , 198, 210-219	6.2	11
44	Telomere heritability and parental age at conception effects in a wild avian population. <i>Molecular Ecology</i> , <b>2021</b> ,	5.7	11
43	Socio-ecological conditions and female infidelity in the Seychelles warbler. <i>Behavioral Ecology</i> , <b>2019</b> , 30, 1254-1264	2.3	10
42	Subordinate females in the cooperatively breeding Seychelles warbler obtain direct benefits by joining unrelated groups. <i>Journal of Animal Ecology</i> , <b>2018</b> , 87, 1251-1263	4.7	10
41	Extreme gender-based post-fledging brood division in the toc-toc. <i>Behavioral Ecology</i> , <b>2007</b> , 18, 730-735	2.3	10
40	Islands in a desert: breeding ecology of the African Reed Warbler <i>Acrocephalus baeticatus</i> in Namibia. <i>Ibis</i> , <b>2001</b> , 143, 482-493	1.9	10
39	Compensatory and additive helper effects in the cooperatively breeding Seychelles warbler (). <i>Ecology and Evolution</i> , <b>2019</b> , 9, 2986-2995	2.8	8
38	Avian MHC defensin variation in bottlenecked populations: the Seychelles warbler and other congeners. <i>Conservation Genetics</i> , <b>2016</b> , 17, 661-674	2.6	8
37	DIRECT BENEFITS AND THE EVOLUTION OF FEMALE-BIASED COOPERATIVE BREEDING IN SEYCHELLES WARBLERS. <i>Evolution; International Journal of Organic Evolution</i> , <b>2002</b> , 56, 2313	3.8	8
36	Exploration is dependent on reproductive state, not social state, in a cooperatively breeding bird. <i>Behavioral Ecology</i> , <b>2016</b> , 27, 1889-1896	2.3	7
35	Consequences of sibling rivalry vary across life in a passerine bird. <i>Behavioral Ecology</i> , <b>2017</b> , 28, 407-418	2.3	7

34	Differential female sociality is linked with the fine-scale structure of sexual interactions in replicate groups of red junglefowl. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2019</b> , 286, 20191734	4.4	7
33	Low genetic diversity after a bottleneck in a population of a critically endangered migratory marine turtle species. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2017</b> , 491, 9-18	2.1	6
32	Extra-pair parentage and personality in a cooperatively breeding bird. <i>Behavioral Ecology and Sociobiology</i> , <b>2018</b> , 72, 37	2.5	6
31	Bi-Functional Chicken Immunoglobulin-Like Receptors With a Single Extracellular Domain (ChIR-AB1): Potential Framework Genes Among a Relatively Stable Number of Genes Per Haplotype. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2222	8.4	6
30	Wing length and age, but not tarsus or mass, independently determine spring arrival at breeding territories in a long-distance migrant the Common Whitethroat, <i>Sylvia communis</i> . <i>Bird Study</i> , <b>2013</b> , 60, 539-546	0.7	6
29	Melanocortin-1-receptor (MC1R) variation is not associated with parasite burden in a neotropical bird, the bananaquit ( <i>Coereba flaveola</i> ). <i>Biological Journal of the Linnean Society</i> , <b>2013</b> , 108, 882-888	1.9	5
28	INBREEDING IN THE SEYCHELLES WARBLER: ENVIRONMENT-DEPENDENT MATERNAL EFFECTS. <i>Evolution; International Journal of Organic Evolution</i> , <b>2004</b> , 58, 2037	3.8	5
27	Genetic and morphological differentiation between remnant populations of an endangered species: the case of the Seychelles White-eye. <i>Ibis</i> , <b>2002</b> , 145, E34-E44	1.9	5
26	Social pairing of Seychelles warblers under reduced constraints: MHC, neutral heterozygosity, and age. <i>Behavioral Ecology</i> , <b>2016</b> , 27, 295-303	2.3	5
25	Helpers compensate for age-related declines in parental care and offspring survival in a cooperatively breeding bird. <i>Evolution Letters</i> , <b>2021</b> , 5, 143-153	5.3	5
24	Experimentally induced antipredator responses are mediated by social and environmental factors. <i>Behavioral Ecology</i> , <b>2019</b> , 30, 986-992	2.3	4
23	Molecular Ecology Reveals the Hidden Complexities of the Seychelles Warbler. <i>Advances in the Study of Behavior</i> , <b>2007</b> , 147-187	3.4	4
22	Joint care can outweigh costs of nonkin competition in communal breeders. <i>Behavioral Ecology</i> , <b>2018</b> , 29, 169-178	2.3	4
21	The Evolution of Cooperative Breeding in Vertebrates1-11		4
20	The importance of post-translocation monitoring of habitat use and population growth: insights from a Seychelles Warbler ( <i>Acrocephalus sechellensis</i> ) translocation. <i>Journal of Ornithology</i> , <b>2018</b> , 159, 439-446	1.5	3
19	Age-dependent changes in infidelity in Seychelles warblers. <i>Molecular Ecology</i> , <b>2020</b> , 29, 3731-3746	5.7	3
18	Temporal dynamics of competitive fertilization in social groups of red junglefowl ( <i>Gallus gallus</i> ) shed new light on avian sperm competition. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2020</b> , 375, 20200081	5.8	3
17	COMPARATIVE ANALYSES OF POPULATION STRUCTURE IN TWO SUBSPECIES OF NIGELLA DEGENII: EVIDENCE FOR DIVERSIFYING SELECTION ON POLLEN-COLOR DIMORPHISMS. <i>Evolution; International Journal of Organic Evolution</i> , <b>2006</b> , 60, 518	3.8	2

16	Contemporary evolution of the innate immune receptor gene TLR3 in an isolated vertebrate population. <i>Molecular Ecology</i> , <b>2021</b> , 30, 2528-2542	5.7	2
15	No severe genetic bottleneck in a rapidly range-expanding bumblebee pollinator. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 288, 20202639	4.4	2
14	The Evolution and Ecology of Cooperative Breeding in Vertebrates		2
13	Hematocrit, age, and survival in a wild vertebrate population. <i>Ecology and Evolution</i> , <b>2021</b> , 11, 214-226	2.8	2
12	Structural equation modeling reveals determinants of fitness in a cooperatively breeding bird.. <i>Behavioral Ecology</i> , <b>2022</b> , 33, 352-363	2.3	2
11	Adaptive landscape genetics and malaria across divergent island bird populations. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 12482-12502	2.8	1
10	Sex biased natal dispersal in a closed, saturated population of Seychelles warblers <i>Acrocephalus sechellensis</i> . <i>Journal of Avian Biology</i> , <b>2007</b> , 071202183307009-0	1.9	1
9	Gut microbiome composition, not alpha diversity, is associated with survival in a natural vertebrate population.. <i>Animal Microbiome</i> , <b>2021</b> , 3, 84	4.1	1
8	Population level consequences of facultatively cooperative behaviour in a stochastic environment. <i>Journal of Animal Ecology</i> , <b>2021</b> ,	4.7	1
7	Genomic variation, population history and within-archipelago adaptation between island bird populations. <i>Royal Society Open Science</i> , <b>2021</b> , 8, 201146	3.3	1
6	The contribution of extra-pair paternity to the variation in lifetime and age-specific male reproductive success in a socially monogamous species.. <i>Evolution; International Journal of Organic Evolution</i> , <b>2022</b> ,	3.8	1
5	Ageing European lobsters () using DNA methylation of evolutionarily conserved ribosomal DNA. <i>Evolutionary Applications</i> , <b>2021</b> , 14, 2305-2318	4.8	0
4	Immunogenetic variation shapes the gut microbiome in a natural vertebrate population.. <i>Microbiome</i> , <b>2022</b> , 10, 41	16.6	0
3	Help or hindrance? The evolutionary impact of whole-genome duplication on immunogenetic diversity and parasite load. <i>Ecology and Evolution</i> , <b>2020</b> , 10, 13949-13956	2.8	
2	Genetic diversity and divergence in the endangered Cape Verde warbler <i>Acrocephalus brevipennis</i> . <i>Conservation Genetics</i> , <b>2017</b> , 18, 343-357	2.6	
1	No evidence for a loss of genetic diversity despite a strong decline in size of a European population of the Corncrake <i>Crex crex</i> . <i>Bird Conservation International</i> , <b>2020</b> , 30, 260-266	1.7	