Phillip Gienapp

List of Publications by Citations

71 papers	4,597 citations	25 h-index	67 g-index
74 ext. papers	5,379 ext. citations	5.7 avg, IF	5.84 L-index

#	Paper	IF	Citations
71	Climate change and evolution: disentangling environmental and genetic responses. *Molecular Ecology*, **2008**, 17, 167-78	5.7	804
70	WHY BREEDING TIME HAS NOT RESPONDED TO SELECTION FOR EARLIER BREEDING IN A SONGBIRD POPULATION. *Evolution; International Journal of Organic Evolution*, **2006**, 60, 2381-2388	3.8	516
69	Selection on heritable phenotypic plasticity in a wild bird population. *Science*, **2005**, 310, 304-6	33.3	468
68	Shifts in caterpillar biomass phenology due to climate change and its impact on the breeding biology of an insectivorous bird. *Oecologia*, **2006**, 147, 164-72	2.9	429
67	Climate change and timing of avian breeding and migration: evolutionary versus plastic changes. *Evolutionary Applications*, **2014**, 7, 15-28	4.8	252
66	Challenging claims in the study of migratory birds and climate change. *Biological Reviews*, **2011**, 86, 928-46	19.5	237
65	Evolutionary and demographic consequences of phenological mismatches. *Nature Ecology and Evolution*, **2019**, 3, 879-885	12.3	129
64	Increasing temperature, not mean temperature, is a cue for avian timing of reproduction. *American Naturalist*, **2012**, 179, E55-69	3.7	122
63	Responses to climate change in avian migration time?microevolution versus phenotypic plasticity. *Climate Research*, **2007**, 35, 25-35	1.6	119
62	Recent natural selection causes adaptive evolution of an avian polygenic trait. *Science*, **2017**, 358, 365-368	33.3	101
61	Environment-dependent use of mate choice cues in sticklebacks. *Behavioral Ecology*, **2009**, 20, 1223-1227	2.3	101
60	Experimental illumination of natural habitat--an experimental set-up to assess the direct and indirect ecological consequences of artificial light of different spectral composition. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2015**, 370,	5.8	96
59	Predicting demographically sustainable rates of adaptation: can great tit breeding time keep pace with climate change?. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2013**, 368, 20120289	5.8	90
58	Effects of spring temperatures on the strength of selection on timing of reproduction in a long-distance migratory bird. *PLoS Biology*, **2015**, 13, e1002120	9.7	88
57	The relevance of environmental conditions for departure decision changes en route in migrating geese. *Ecology*, **2008**, 89, 1953-60	4.6	84
56	Genomic Quantitative Genetics to Study Evolution in the Wild. *Trends in Ecology and Evolution*, **2017**, 32, 897-908	10.9	68
55	Why climate change will invariably alter selection pressures on phenology. *Proceedings of the Royal Society B: Biological Sciences*, **2014**, 281,	4.4	68

54	A new statistical tool to predict phenology under climate change scenarios. *Global Change Biology*, **2005**, 11, 600-606	11.4	67
53	Genetic variation in cue sensitivity involved in avian timing of reproduction. *Functional Ecology*, **2011**, 25, 868-877	5.6	50
52	Climate change leads to differential shifts in the timing of annual cycle stages in a migratory bird. *Global Change Biology*, **2018**, 24, 823-835	11.4	45
51	What genomic data can reveal about eco-evolutionary dynamics. *Nature Ecology and Evolution*, **2018**, 2, 9-15	12.3	43
50	Fitness consequences of timing of migration and breeding in cormorants. *PLoS ONE*, **2012**, 7, e46165	3.7	38
49	Why breeding time has not responded to selection for earlier breeding in a songbird population. *Evolution; International Journal of Organic Evolution*, **2006**, 60, 2381-8	3.8	35
48	Genetic and environmental effects on a condition-dependent trait: feather growth in Siberian jays. *Journal of Evolutionary Biology*, **2010**, 23, 715-23	2.3	28
47	Sex-specific fitness consequences of dispersal in Siberian jays. *Behavioral Ecology and Sociobiology*, **2011**, 65, 131-140	2.5	27
46	Early Birds by Light at Night: Effects of Light Color and Intensity on Daily Activity Patterns in Blue Tits. *Journal of Biological Rhythms*, **2017**, 32, 323-333	3.2	25
45	Environment-Dependent Genotype-Phenotype Associations in Avian Breeding Time. *Frontiers in Genetics*, **2017**, 8, 102	4.5	24
44	Evolutionary dynamics in response to climate change **2014**, 254-274		24
43	Exploitation of the Host Chemical Communication in a Parasitoid Searching for Concealed Host Larvae. *Ethology*, **1999**, 105, 223-232	1.7	23
42	Genomic selection on breeding time in a wild bird population. *Evolution Letters*, **2019**, 3, 142-151	5.3	22
41	How to do meta-analysis of open datasets. *Nature Ecology and Evolution*, **2018**, 2, 1053-1056	12.3	22
40	Possible fitness consequences of experimentally advanced laying dates in Great Tits: differences between populations in different habitats. *Functional Ecology*, **2006**, 20, 180-185	5.6	22
39	Latitudinal variation in breeding time reaction norms in a passerine bird. *Journal of Animal Ecology*, **2010**, 79, 836-42	4.7	20
38	Estimating the ratio of effective to actual size of an age-structured population from individual demographic data. *Journal of Evolutionary Biology*, **2010**, 23, 1148-58	2.3	20
37	Environmental coupling of heritability and selection is rare and of minor evolutionary significance in wild populations. *Nature Ecology and Evolution*, **2018**, 2, 1093-1103	12.3	19

36	Phenological mismatch drives selection on elevation, but not on slope, of breeding time plasticity in a wild songbird. *Evolution; International Journal of Organic Evolution*, **2019**, 73, 175-187	3.8	19
35	Climate change relaxes the time constraints for late-born offspring in a long-distance migrant. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	18
34	Density dependence and microevolution interactively determine effects of phenology mismatch on population dynamics. *Oikos*, **2015**, 124, 81-91	4	16
33	Is microevolution the only emergency exit in a warming world? Temperature influences egg laying but not its underlying mechanisms in great tits. *General and Comparative Endocrinology*, **2013**, 190, 164-9	3	16
32	Genetic variation in variability: Phenotypic variability of fledging weight and its evolution in a songbird population. *Evolution; International Journal of Organic Evolution*, **2016**, 70, 2004-16	3.8	16
31	Heritable variation in maternally derived yolk androgens, thyroid hormones and immune factors. *Heredity*, **2016**, 117, 184-90	3.6	14
30	Exploration of tissue-specific gene expression patterns underlying timing of breeding in contrasting temperature environments in a song bird. *BMC Genomics*, **2019**, 20, 693	4.5	12
29	Disentangling plastic and genetic changes in body mass of Siberian jays. *Journal of Evolutionary Biology*, **2014**, 27, 1849-58	2.3	11
28	Differential responses to related hosts by nesting and non-nesting parasites in a brood-parasitic duck. *Molecular Ecology*, **2011**, 20, 5328-36	5.7	11
27	Testing for biases in selection on avian reproductive traits and partitioning direct and indirect selection using quantitative genetic models. *Evolution; International Journal of Organic Evolution*, **2016**, 70, 2211-2225	3.8	11
26	Genetic and phenotypic responses to genomic selection for timing of breeding in a wild songbird. *Functional Ecology*, **2019**, 33, 1708-1721	5.6	10
25	Origin-related differences in plumage coloration within an island population of great tits (Parus major). *Canadian Journal of Zoology*, **2009**, 87, 1-7	1.5	10
24	Fine-tuning of seasonal timing of breeding is regulated downstream in the underlying neuro-endocrine system in a small songbird. *Journal of Experimental Biology*, **2019**, 222,	3	8
23	Genetic background, and not ontogenetic effects, affects avian seasonal timing of reproduction. *Journal of Evolutionary Biology*, **2013**, 26, 2147-53	2.3	8
22	Heritability of gonad size varies across season in a wild songbird. *Journal of Evolutionary Biology*, **2013**, 26, 2739-45	2.3	7
21	Comparing two measures of phenological synchrony in a predator-prey interaction: Simpler works better. *Journal of Animal Ecology*, **2020**, 89, 745-756	4.7	7
20	High fidelity--no evidence for extra-pair paternity in Siberian jays (Perisoreus infaustus). *PLoS ONE*, **2010**, 5, e12006	3.7	6
19	The choice of the environmental covariate affects the power to detect variation in reaction norm slopes		6

18	Between- and Within-Individual Variation of Maternal Thyroid Hormone Deposition in Wild Great Tits (). *American Naturalist*, **2019**, 194, E96-E108	3.7	5
17	WHY BREEDING TIME HAS NOT RESPONDED TO SELECTION FOR EARLIER BREEDING IN A SONGBIRD POPULATION. *Evolution; International Journal of Organic Evolution*, **2006**, 60, 2381	3.8	5
16	Quantifying individual variation in reaction norms: Mind the residual. *Journal of Evolutionary Biology* , **2020**, 33, 352-366	2.3	5
15	Species-specific effects of thermal stress on the expression of genetic variation across a diverse group of plant and animal taxa under experimental conditions. *Heredity*, **2021**, 126, 23-37	3.6	5
14	Temperature has a causal and plastic effect on timing of breeding in a small songbird. *Journal of Experimental Biology*, **2020**, 223,	3	4
13	Isolation and characterization of 55 novel microsatellite markers for the pink-footed goose (Anser brachyrhynchus). *Conservation Genetics Resources*, **2012**, 4, 423-428	0.8	4
12	Discrimination against previously searched, host-free patches by a parasitoid foraging for concealed hosts. *Ecological Entomology*, **2001**, 26, 487-494	2.1	4
11	Maternal Effects in a Wild Songbird Are Environmentally Plastic but Only Marginally Alter the Rate of Adaptation. *American Naturalist*, **2018**, 191, E144-E158	3.7	4
10	Opinion: Is gene mapping in wild populations useful for understanding and predicting adaptation to global change?. *Global Change Biology*, **2020**, 26, 2737-2749	11.4	3
9	Recent natural variability in global warming weakened phenological mismatch and selection on seasonal timing in great tits (). *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20211337	4.4	3
8	Climate Change Impacts: Birds1-8		2
7	Reply to: More evidence is needed to show that heritability and selection are not associated. *Nature Ecology and Evolution*, **2019**, 3, 1408	12.3	1
6	Short-term, but not long-term, increased daytime workload leads to decreased night-time energetics in a free-living song bird. *Journal of Experimental Biology*, **2019**, 222,	3	1
5	Integrating Causal and Evolutionary Analysis of Life-History Evolution: Arrival Date in a Long-Distant Migrant. *Frontiers in Ecology and Evolution*, **2021**, 9,	3.7	1
4	Facultative Sex Allocation and Sex-Specific Offspring Survival in Barrow's Goldeneyes. *Ethology*, **2013**, 119, 146-155	1.7	0
3	A partial migrant relies upon a range-wide cue set but uses population-specific weighting for migratory timing.. *Movement Ecology*, **2021**, 9, 63	4.6	0
2	Response to Perrier and Charmantier: On the importance of time scales when studying adaptive evolution. *Evolution Letters*, **2019**, 3, 248-253	5.3	
1	The first microsatellite markers for little terns (Sternula albifrons). *Conservation Genetics Resources*, **2012**, 4, 447-450	0.8	