

Phillip Gienapp

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Recent natural variability in global warming weakened phenological mismatch and selection on seasonal timing in great tits (). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20211337	4.4	3
70	Species-specific effects of thermal stress on the expression of genetic variation across a diverse group of plant and animal taxa under experimental conditions. <i>Heredity</i> , 2021 , 126, 23-37	3.6	5
69	Integrating Causal and Evolutionary Analysis of Life-History Evolution: Arrival Date in a Long-Distant Migrant. <i>Frontiers in Ecology and Evolution</i> , 2021 , 9,	3.7	1
68	A partial migrant relies upon a range-wide cue set but uses population-specific weighting for migratory timing.. <i>Movement Ecology</i> , 2021 , 9, 63	4.6	0
67	Temperature has a causal and plastic effect on timing of breeding in a small songbird. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	4
66	Opinion: Is gene mapping in wild populations useful for understanding and predicting adaptation to global change?. <i>Global Change Biology</i> , 2020 , 26, 2737-2749	11.4	3
65	Comparing two measures of phenological synchrony in a predator-prey interaction: Simpler works better. <i>Journal of Animal Ecology</i> , 2020 , 89, 745-756	4.7	7
64	Quantifying individual variation in reaction norms: Mind the residual. <i>Journal of Evolutionary Biology</i> , 2020 , 33, 352-366	2.3	5
63	Exploration of tissue-specific gene expression patterns underlying timing of breeding in contrasting temperature environments in a song bird. <i>BMC Genomics</i> , 2019 , 20, 693	4.5	12
62	Reply to: More evidence is needed to show that heritability and selection are not associated. <i>Nature Ecology and Evolution</i> , 2019 , 3, 1408	12.3	1
61	Response to Perrier and Charmantier: On the importance of time scales when studying adaptive evolution. <i>Evolution Letters</i> , 2019 , 3, 248-253	5.3	
60	Between- and Within-Individual Variation of Maternal Thyroid Hormone Deposition in Wild Great Tits (). <i>American Naturalist</i> , 2019 , 194, E96-E108	3.7	5
59	Genomic selection on breeding time in a wild bird population. <i>Evolution Letters</i> , 2019 , 3, 142-151	5.3	22
58	Genetic and phenotypic responses to genomic selection for timing of breeding in a wild songbird. <i>Functional Ecology</i> , 2019 , 33, 1708-1721	5.6	10
57	Evolutionary and demographic consequences of phenological mismatches. <i>Nature Ecology and Evolution</i> , 2019 , 3, 879-885	12.3	129
56	Short-term, but not long-term, increased daytime workload leads to decreased night-time energetics in a free-living song bird. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	1
55	Fine-tuning of seasonal timing of breeding is regulated downstream in the underlying neuro-endocrine system in a small songbird. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	8

54	Phenological mismatch drives selection on elevation, but not on slope, of breeding time plasticity in a wild songbird. <i>Evolution; International Journal of Organic Evolution</i> , 2019 , 73, 175-187	3.8	19
53	Climate change leads to differential shifts in the timing of annual cycle stages in a migratory bird. <i>Global Change Biology</i> , 2018 , 24, 823-835	11.4	45
52	Environmental coupling of heritability and selection is rare and of minor evolutionary significance in wild populations. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1093-1103	12.3	19
51	How to do meta-analysis of open datasets. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1053-1056	12.3	22
50	What genomic data can reveal about eco-evolutionary dynamics. <i>Nature Ecology and Evolution</i> , 2018 , 2, 9-15	12.3	43
49	Maternal Effects in a Wild Songbird Are Environmentally Plastic but Only Marginally Alter the Rate of Adaptation. <i>American Naturalist</i> , 2018 , 191, E144-E158	3.7	4
48	Genomic Quantitative Genetics to Study Evolution in the Wild. <i>Trends in Ecology and Evolution</i> , 2017 , 32, 897-908	10.9	68
47	Recent natural selection causes adaptive evolution of an avian polygenic trait. <i>Science</i> , 2017 , 358, 365-368	99.3	101
46	Early Birds by Light at Night: Effects of Light Color and Intensity on Daily Activity Patterns in Blue Tits. <i>Journal of Biological Rhythms</i> , 2017 , 32, 323-333	3.2	25
45	Environment-Dependent Genotype-Phenotype Associations in Avian Breeding Time. <i>Frontiers in Genetics</i> , 2017 , 8, 102	4.5	24
44	Climate change relaxes the time constraints for late-born offspring in a long-distance migrant. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	18
43	Heritable variation in maternally derived yolk androgens, thyroid hormones and immune factors. <i>Heredity</i> , 2016 , 117, 184-90	3.6	14
42	Genetic variation in variability: Phenotypic variability of fledging weight and its evolution in a songbird population. <i>Evolution; International Journal of Organic Evolution</i> , 2016 , 70, 2004-16	3.8	16
41	Testing for biases in selection on avian reproductive traits and partitioning direct and indirect selection using quantitative genetic models. <i>Evolution; International Journal of Organic Evolution</i> , 2016 , 70, 2211-2225	3.8	11
40	Effects of spring temperatures on the strength of selection on timing of reproduction in a long-distance migratory bird. <i>PLoS Biology</i> , 2015 , 13, e1002120	9.7	88
39	Experimental illumination of natural habitat--an experimental set-up to assess the direct and indirect ecological consequences of artificial light of different spectral composition. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370,	5.8	96
38	Density dependence and microevolution interactively determine effects of phenology mismatch on population dynamics. <i>Oikos</i> , 2015 , 124, 81-91	4	16
37	Climate change and timing of avian breeding and migration: evolutionary versus plastic changes. <i>Evolutionary Applications</i> , 2014 , 7, 15-28	4.8	252

36	Why climate change will invariably alter selection pressures on phenology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281,	4.4	68
35	Disentangling plastic and genetic changes in body mass of Siberian jays. <i>Journal of Evolutionary Biology</i> , 2014 , 27, 1849-58	2.3	11
34	Evolutionary dynamics in response to climate change 2014 , 254-274		24
33	Is microevolution the only emergency exit in a warming world? Temperature influences egg laying but not its underlying mechanisms in great tits. <i>General and Comparative Endocrinology</i> , 2013 , 190, 164-9 ³		16
32	Genetic background, and not ontogenetic effects, affects avian seasonal timing of reproduction. <i>Journal of Evolutionary Biology</i> , 2013 , 26, 2147-53	2.3	8
31	Heritability of gonad size varies across season in a wild songbird. <i>Journal of Evolutionary Biology</i> , 2013 , 26, 2739-45	2.3	7
30	Facultative Sex Allocation and Sex-Specific Offspring Survival in Barrow's Goldeneyes. <i>Ethology</i> , 2013 , 119, 146-155	1.7	0
29	Predicting demographically sustainable rates of adaptation: can great tit breeding time keep pace with climate change?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20120289	5.8	90
28	Increasing temperature, not mean temperature, is a cue for avian timing of reproduction. <i>American Naturalist</i> , 2012 , 179, E55-69	3.7	122
27	Fitness consequences of timing of migration and breeding in cormorants. <i>PLoS ONE</i> , 2012 , 7, e46165	3.7	38
26	Isolation and characterization of 55 novel microsatellite markers for the pink-footed goose (<i>Anser brachyrhynchus</i>). <i>Conservation Genetics Resources</i> , 2012 , 4, 423-428	0.8	4
25	The first microsatellite markers for little terns (<i>Sternula albifrons</i>). <i>Conservation Genetics Resources</i> , 2012 , 4, 447-450	0.8	
24	Differential responses to related hosts by nesting and non-nesting parasites in a brood-parasitic duck. <i>Molecular Ecology</i> , 2011 , 20, 5328-36	5.7	11
23	Challenging claims in the study of migratory birds and climate change. <i>Biological Reviews</i> , 2011 , 86, 928-46.5	4.5	237
22	Genetic variation in cue sensitivity involved in avian timing of reproduction. <i>Functional Ecology</i> , 2011 , 25, 868-877	5.6	50
21	Sex-specific fitness consequences of dispersal in Siberian jays. <i>Behavioral Ecology and Sociobiology</i> , 2011 , 65, 131-140	2.5	27
20	Latitudinal variation in breeding time reaction norms in a passerine bird. <i>Journal of Animal Ecology</i> , 2010 , 79, 836-42	4.7	20
19	Genetic and environmental effects on a condition-dependent trait: feather growth in Siberian jays. <i>Journal of Evolutionary Biology</i> , 2010 , 23, 715-23	2.3	28

18	Estimating the ratio of effective to actual size of an age-structured population from individual demographic data. <i>Journal of Evolutionary Biology</i> , 2010 , 23, 1148-58	2.3	20
17	High fidelity--no evidence for extra-pair paternity in Siberian jays (<i>Perisoreus infaustus</i>). <i>PLoS ONE</i> , 2010 , 5, e12006	3.7	6
16	Environment-dependent use of mate choice cues in sticklebacks. <i>Behavioral Ecology</i> , 2009 , 20, 1223-1227	3.3	101
15	Origin-related differences in plumage coloration within an island population of great tits (<i>Parus major</i>). <i>Canadian Journal of Zoology</i> , 2009 , 87, 1-7	1.5	10
14	Climate change and evolution: disentangling environmental and genetic responses. <i>Molecular Ecology</i> , 2008 , 17, 167-78	5.7	804
13	The relevance of environmental conditions for departure decision changes en route in migrating geese. <i>Ecology</i> , 2008 , 89, 1953-60	4.6	84
12	Responses to climate change in avian migration time?microevolution versus phenotypic plasticity. <i>Climate Research</i> , 2007 , 35, 25-35	1.6	119
11	WHY BREEDING TIME HAS NOT RESPONDED TO SELECTION FOR EARLIER BREEDING IN A SONGBIRD POPULATION. <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 2381	3.8	5
10	WHY BREEDING TIME HAS NOT RESPONDED TO SELECTION FOR EARLIER BREEDING IN A SONGBIRD POPULATION. <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 2381-2388	3.8	516
9	Possible fitness consequences of experimentally advanced laying dates in Great Tits: differences between populations in different habitats. <i>Functional Ecology</i> , 2006 , 20, 180-185	5.6	22
8	Shifts in caterpillar biomass phenology due to climate change and its impact on the breeding biology of an insectivorous bird. <i>Oecologia</i> , 2006 , 147, 164-72	2.9	429
7	Why breeding time has not responded to selection for earlier breeding in a songbird population. <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 2381-8	3.8	35
6	Selection on heritable phenotypic plasticity in a wild bird population. <i>Science</i> , 2005 , 310, 304-6	33.3	468
5	A new statistical tool to predict phenology under climate change scenarios. <i>Global Change Biology</i> , 2005 , 11, 600-606	11.4	67
4	Discrimination against previously searched, host-free patches by a parasitoid foraging for concealed hosts. <i>Ecological Entomology</i> , 2001 , 26, 487-494	2.1	4
3	Exploitation of the Host's Chemical Communication in a Parasitoid Searching for Concealed Host Larvae. <i>Ethology</i> , 1999 , 105, 223-232	1.7	23
2	The choice of the environmental covariate affects the power to detect variation in reaction norm slopes		6
1	Climate Change Impacts: Birds1-8		2

