Anne Charmantier

List of Publications by Year
in descending order

84 papers	6,594 citations	108046 37 h-index	78623 77 g-index
93 all docs	93 docs citations	93 times ranked	7837 citing authors

#	Article	IF	Citations
1	Epigenetics and the city: Nonâ€parallel DNA methylation modifications across pairs of urbanâ€forest Great tit populations. Evolutionary Applications, 2022, 15, 149-165.	1.5	15
2	Long-Term Decrease in Coloration: A Consequence of Climate Change?. American Naturalist, 2022, 200, 32-47.	1.0	6
3	Differences in the temporal scale of reproductive investment across the slowâ€fast continuum in a passerine. Ecology Letters, 2022, 25, 1139-1151.	3.0	4
4	Bird populations most exposed to climate change are less sensitive to climatic variation. Nature Communications, 2022, 13, 2112.	5.8	15
5	Are behaviour and stressâ€related phenotypes in urban birds adaptive?. Journal of Animal Ecology, 2022, 91, 1627-1641.	1.3	7
6	Genetic variance in fitness indicates rapid contemporary adaptive evolution in wild animals. Science, 2022, 376, 1012-1016.	6.0	69
7	Connecting the data landscape of longâ€term ecological studies: The SPIâ€Birds data hub. Journal of Animal Ecology, 2021, 90, 2147-2160.	1.3	25
8	An avian urban morphotype: how the city environment shapes great tit morphology at different life stages. Urban Ecosystems, 2021, 24, 929-941.	1.1	22
9	Bacterial microbiota similarity between predators and prey in a blue tit trophic network. ISME Journal, 2021, 15, 1098-1107.	4.4	16
10	Response to Kalchhauser et al.: Inherited Gene Regulation Is not Enough to Understand Nongenetic Inheritance. Trends in Ecology and Evolution, 2021, 36, 475-476.	4.2	6
11	Understanding the Social Dynamics of Breeding Phenology: Indirect Genetic Effects and Assortative Mating in a Long-Distance Migrant. American Naturalist, 2020, 196, 566-576.	1.0	15
12	Demographic history and genomics of local adaptation in blue tit populations. Evolutionary Applications, 2020, 13, 1145-1165.	1.5	11
13	Ageâ€dependent phenological plasticity in a wild bird. Journal of Animal Ecology, 2020, 89, 2733-2741.	1.3	14
14	Surface temperatures of non-incubated eggs in great tits (Parus major) are strongly associated with ambient temperature. International Journal of Biometeorology, 2020, 64, 1767-1775.	1.3	3
15	Fluctuating optimum and temporally variable selection on breeding date in birds and mammals. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31969-31978.	3.3	69
16	Evolutionary Consequences of the Urban Heat Island. , 2020, , 91-110.		17
17	Adaptive responses of animals to climate change are most likely insufficient. Nature Communications, 2019, 10, 3109.	5.8	285
18	Science policies: How should science funding be allocated? An evolutionary biologistsâ€™ perspective. Journal of Evolutionary Biology, 2019, 32, 754-768.	0.8	16

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19	Phenotypic plasticity in response to climate change: the importance of cue variation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180178.	1.8	165
20	On the importance of time scales when studying adaptive evolution. Evolution Letters, 2019, 3, 240-247.	1.6	13
21	The Missing Response to Selection in the Wild. Trends in Ecology and Evolution, 2018, 33, 337-346.	4.2	102
22	Current spring warming as a driver of selection on reproductive timing in a wild passerine. Journal of Animal Ecology, 2018, 87, 754-764.	1.3	35
23	Great tits and the city: Distribution of genomic diversity and geneâ€“environment associations along an urbanization gradient. Evolutionary Applications, 2018, 11, 593-613.	1.5	42
24	Gene flow does not prevent personality and morphological differentiation between two blue tit populations. Journal of Evolutionary Biology, 2018, 31, 1127-1137.	0.8	10
25	Urban versus forest ecotypes are not explained by divergent reproductive selection. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180261.	1.2	31
26	Assortative mating by colored ornaments in blue tits: space and time matter. Ecology and Evolution, 2017, 7, 2069-2078.	0.8	25
27	Nest design in a changing world: Great tit Parus major nests from a Mediterranean city environment as a case study. Urban Ecosystems, 2017, 20, 1181-1190.	1.1	22
28	Multiple extreme climatic events strengthen selection for earlier breeding in a wild passerine. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160372.	1.8	49
29	Plasticity results in delayed breeding in a longâ€distant migrant seabird. Ecology and Evolution, 2017, 7, 3100-3109.	0.8	30
30	Disentangling drivers of reproductive performance in urban great tits: a food supplementation experiment. Journal of Experimental Biology, 2017, 220, 4195-4203.	0.8	15
31	Urbanization Is Associated with Divergence in Pace-of-Life in Great Tits. Frontiers in Ecology and Evolution, 2017, 5, .	1.1	85
32	Urban Great Tits (Parus major) Show Higher Distress Calling and Pecking Rates than Rural Birds across Europe. Frontiers in Ecology and Evolution, 2017, 5, .	1.1	34
33	Low but contrasting neutral genetic differentiation shaped by winter temperature in European great tits. Biological Journal of the Linnean Society, 2016, 118, 668-685.	0.7	17
34	Exploring Biotic and Abiotic Determinants of Nest Size in Mediterranean Great Tits (<i>Parus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	0.5	13
35	Environmental heterogeneity and population differences in blue tits personality traits. Behavioral Ecology, 2016, 28, arw148.	1.0	29
36	Interspecific variation in the relationship between clutch size, laying date and intensity of urbanization in four species of holeâ€nesting birds. Ecology and Evolution, 2016, 6, 5907-5920.	0.8	47

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37	Mediterranean blue tits as a case study of local adaptation. Evolutionary Applications, 2016, 9, 135-152.	1.5	54
38	More daughters in a less favourable world: Breeding in intensively-managed orchards affects tertiary sex-ratio in the great tit. Basic and Applied Ecology, 2016, 17, 638-647.	1.2	9
39	Nest size is not closely related to breeding success in Blue Tits: A long-term nest-box study in a Mediterranean oak habitat. Auk, 2016, 133, 198-204.	0.7	16
40	Solutions for Archiving Data in Long-Term Studies: A Reply to Whitlock et al.. Trends in Ecology and Evolution, 2016, 31, 85-87.	4.2	10
41	Spatial autocorrelation in fitness affects the estimation of natural selection in the wild. Methods in Ecology and Evolution, 2015, 6, 1474-1483.	2.2	30
42	Quantitative Genetics of the Aging of Reproductive Traits in the Houbara Bustard. PLoS ONE, 2015, 10, e0133140.	1.1	8
43	Application of High Resolution Satellite Imagery to Characterize Individual-Based Environmental Heterogeneity in a Wild Blue Tit Population. Remote Sensing, 2015, 7, 13319-13336.	1.8	8
44	Archiving Primary Data: Solutions for Long-Term Studies. Trends in Ecology and Evolution, 2015, 30, 581-589.	4.2	98
45	Variation in clutch size in relation to nest size in birds. Ecology and Evolution, 2014, 4, 3583-3595.	0.8	49
46	Clutchâ€size variation in Western Palaearctic secondary holeâ€nesting passerine birds in relation to nest box design. Methods in Ecology and Evolution, 2014, 5, 353-362.	2.2	36
47	Tracing siteâ€specific isotopic signatures along a <scp>B</scp>lue <scp>T</scp>it <scp>C</scp>yanistes caeruleus food chain. Ibis, 2014, 156, 165-175.	1.0	7
48	Climate change and timing of avian breeding and migration: evolutionary versus plastic changes. Evolutionary Applications, 2014, 7, 15-28.	1.5	338
49	Assessing Multivariate Constraints to Evolution across Ten Long-Term Avian Studies. PLoS ONE, 2014, 9, e90444.	1.1	59
50	Is Non-genetic Inheritance Just a Proximate Mechanism? A Corroboration of the Extended Evolutionary Synthesis. Biological Theory, 2013, 7, 189-195.	0.8	63
51	Who wears the pants in a mute swan pair? Deciphering the effects of male and female age and identity on breeding success. Journal of Animal Ecology, 2013, 82, 826-835.	1.3	19
52	Canalization of phenology in common terns: genetic and phenotypic variations in spring arrival date. Behavioral Ecology, 2013, 24, 683-690.	1.0	23
53	Differences in boldness are repeatable and heritable in a longâ€lived marine predator. Ecology and Evolution, 2013, 3, 4291-4299.	0.8	58
54	Habitat-Linked Population Genetic Differentiation in the Blue Tit Cyanistes caeruleus. Journal of Heredity, 2012, 103, 781-791.	1.0	42

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55	Variation in phenotypic plasticity and selection patterns in blue tit breeding time: betweenâ€•and withinâ€•population comparisons. Journal of Animal Ecology, 2012, 81, 1041-1051.	1.3	85
56	Delayed phenology and reduced fitness associated with climate change in a wild hibernator. Nature, 2012, 489, 554-557.	13.7	248
57	Frailty in state-space models: application to actuarial senescence in the Dipper. Ecology, 2011, 92, 562-567.	1.5	16
58	Life history of breeding partners alters ageâ€•related changes of reproductive traits in a natural population of blue tits. Oikos, 2011, 120, 1129-1138.	1.2	27
59	Beyond DNA: integrating inclusive inheritance into an extended theory of evolution. Nature Reviews Genetics, 2011, 12, 475-486.	7.7	613
60	Individual variation in rates of senescence: natal origin effects and disposable soma in a wild bird population. Journal of Animal Ecology, 2010, 79, 1251-1261.	1.3	96
61	Age at the onset of senescence in birds and mammals is predicted by early-life performance. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 2849-2856.	1.2	66
62	Passerine Extrapair Mating Dynamics: A Bayesian Modeling Approach Comparing Four Species. American Naturalist, 2010, 176, 178-187.	1.0	31
63	Local adaptation of timing of reproduction: females are in the driver's seat. Functional Ecology, 2009, 23, 172-179.	1.7	103
64	Seasonal changes in male and female bill knob size in the mute swan Cygnus olor. Journal of Avian Biology, 2009, 40, 511-519.	0.6	13
65	Senescence rates are determined by ranking on the fastâ€“slow lifeâ€•history continuum. Ecology Letters, 2008, 11, 664-673.	3.0	317
66	Outbreeding Alleviates Senescence in Hermaphroditic Snails as Expected from the Mutation-Accumulation Theory. Current Biology, 2008, 18, 906-910.	1.8	59
67	Adaptive Phenotypic Plasticity in Response to Climate Change in a Wild Bird Population. Science, 2008, 320, 800-803.	6.0	1,057
68	The Risk of Flawed Inference in Evolutionary Studies When Detectability Is Less than One. American Naturalist, 2008, 172, 441-448.	1.0	93
69	First evidence for heritable variation in cooperative breeding behaviour. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1757-1761.	1.2	48
70	Testing genetic models of mate choice evolution in the wild. Trends in Ecology and Evolution, 2006, 21, 417-419.	4.2	38
71	Extra-pair paternity in the strongly monogamous Wandering Albatross Diomedea exulans has no apparent benefits for females. Ibis, 2006, 149, 67-78.	1.0	36
72	Evolutionary Response to Selection on Clutch Size in a Longâ€•Term Study of the Mute Swan. American Naturalist, 2006, 167, 453-465.	1.0	63

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73	A Thirty-Year Study of Phenotypic and Genetic Variation of Blue Tits in Mediterranean Habitat Mosaics. BioScience, 2006, 56, 661.	2.2	121
74	Age-dependent genetic variance in a life-history trait in the mute swan. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 225-232.	1.2	93
75	Quantitative genetics of age at reproduction in wild swans: Support for antagonistic pleiotropy models of senescence. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6587-6592.	3.3	148
76	How do misassigned paternities affect the estimation of heritability in the wild?. Molecular Ecology, 2005, 14, 2839-2850.	2.0	148
77	Environmental quality and evolutionary potential: lessons from wild populations. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1415-1425.	1.2	414
78	Do extra-pair paternities provide genetic benefits for female blue titsParus caeruleus?. Journal of Avian Biology, 2004, 35, 524-532.	0.6	69
79	PARASITISM REDUCES THE POTENTIAL FOR EVOLUTION IN A WILD BIRD POPULATION. Evolution; International Journal of Organic Evolution, 2004, 58, 203-206.	1.1	39
80	Habitat quality as a predictor of spatial variation in blue tit reproductive performance: a multi-plot analysis in a heterogeneous landscape. Oecologia, 2004, 141, 555-561.	0.9	98
81	Manipulation of nest-box density affects extra-pair paternity in a population of blue tits (Parus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.6	60
82	A Contrast in Extra-Pair Paternity Levels on Mainland and Island Populations of Mediterranean Blue Tits. Ethology, 2003, 109, 351-363.	0.5	37
83	Two blue tit Parus caeruleus populations from Corsica differ in social dominance. Journal of Avian Biology, 2002, 33, 446-450.	0.6	25
84	Seasonal and landscape differencesin the foraging behaviour of the Rufous Treecreeper Climacteris rufa. Pacific Conservation Biology, 2001, 7, 9.	0.5	12