

Pierre de Villemereuil

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,123
citations

471509

17
h-index

361022

35
g-index

40
all docs

40
docs citations

40
times ranked

3751
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome scan methods against more complex models: when and how much should we trust them?. <i>Molecular Ecology</i> , 2014, 23, 2006-2019.	3.9	265
2	Common garden experiments in the genomic era: new perspectives and opportunities. <i>Heredity</i> , 2016, 116, 249-254.	2.6	252
3	Convergent genomic signatures of domestication in sheep and goats. <i>Nature Communications</i> , 2018, 9, 813.	12.8	220
4	A new F _{ST} -based method to uncover local adaptation using environmental variables. <i>Methods in Ecology and Evolution</i> , 2015, 6, 1248-1258.	5.2	164
5	General Methods for Evolutionary Quantitative Genetic Inference from Generalized Mixed Models. <i>Genetics</i> , 2016, 204, 1281-1294.	2.9	156
6	Comparing parent-offspring regression with frequentist and Bayesian animal models to estimate heritability in wild populations: a simulation study for Gaussian and binary traits. <i>Methods in Ecology and Evolution</i> , 2013, 4, 260-275.	5.2	139
7	General Quantitative Genetic Methods for Comparative Biology. , 2014, , 287-303.		109
8	Bayesian models for comparative analysis integrating phylogenetic uncertainty. <i>BMC Evolutionary Biology</i> , 2012, 12, 102.	3.2	87
9	Detecting adaptive evolution based on association with ecological gradients: Orientation matters!. <i>Heredity</i> , 2015, 115, 22-28.	2.6	76
10	Fixed-effect variance and the estimation of repeatabilities and heritabilities: issues and solutions. <i>Journal of Evolutionary Biology</i> , 2018, 31, 621-632.	1.7	73
11	Fluctuating optimum and temporally variable selection on breeding date in birds and mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31969-31978.	7.1	69
12	Genetic variance in fitness indicates rapid contemporary adaptive evolution in wild animals. <i>Science</i> , 2022, 376, 1012-1016.	12.6	69
13	Patterns of phenotypic plasticity and local adaptation in the wide elevation range of the alpine plant <i>Arabis alpina</i> . <i>Journal of Ecology</i> , 2018, 106, 1952-1971.	4.0	65
14	Quantitative genetic methods depending on the nature of the phenotypic trait. <i>Annals of the New York Academy of Sciences</i> , 2018, 1422, 29-47.	3.8	56
15	Little Adaptive Potential in a Threatened Passerine Bird. <i>Current Biology</i> , 2019, 29, 889-894.e3.	3.9	53
16	Consumer functional responses under intra- and inter-specific interference competition. <i>Ecological Modelling</i> , 2011, 222, 419-426.	2.5	46
17	A General Method for Simultaneously Accounting for Phylogenetic and Species Sampling Uncertainty via Rubin's Rules in Comparative Analysis. <i>Systematic Biology</i> , 2019, 68, 632-641.	5.6	33
18	Bayesian approaches to the quantitative genetic analysis of natural populations. , 2014, , 228-253.		25

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19	Polygenic basis for adaptive morphological variation in a threatened Aotearoa New Zealand bird, the hihi (<i>Notiomystis cincta</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200948.	2.6	23
20	Can threatened species adapt in a restored habitat? No expected evolutionary response in lay date for the New Zealand hihi. <i>Evolutionary Applications</i> , 2019, 12, 482-497.	3.1	17
21	Kin recognition or phenotype matching?. <i>New Phytologist</i> , 2016, 209, 13-14.	7.3	16
22	On the relevance of Bayesian statistics and MCMC for animal models. <i>Journal of Animal Breeding and Genetics</i> , 2019, 136, 339-340.	2.0	13
23	Heritability of a resting heart rate in a 20-year follow-up family cohort with GWAS data: Insights from the STANISLAS cohort. <i>European Journal of Preventive Cardiology</i> , 2021, 28, 1334-1341.	1.8	12
24	Common garden experiments to study local adaptation need to account for population structure. <i>Journal of Ecology</i> , 2022, 110, 1005-1009.	4.0	12
25	Directional selection on body size but no apparent survival cost to being large in wild New Zealand giraffe weevils. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 762-776.	2.3	10
26	Climate dependent heating efficiency in the common lizard. <i>Ecology and Evolution</i> , 2020, 10, 8007-8017.	1.9	9
27	Phenotypic plasticity drives phenological changes in a Mediterranean blue tit population. <i>Journal of Evolutionary Biology</i> , 2022, 35, 347-359.	1.7	9
28	Predicting population genetic change in an autocorrelated random environment: Insights from a large automated experiment. <i>PLoS Genetics</i> , 2021, 17, e1009611.	3.5	8
29	Hitchhiking consequences for genetic and morphological patterns: the influence of kelp-rafting on a brooding chiton. <i>Biological Journal of the Linnean Society</i> , 2020, 130, 756-770.	1.6	6
30	Do leaf nitrogen resorption dynamics align with the slow-fast continuum? A test at the intraspecific level. <i>Functional Ecology</i> , 2022, 36, 1315-1328.	3.6	6
31	Consequences of space sharing on individual phenotypes in the New Zealand hihi. <i>Evolutionary Ecology</i> , 2020, 34, 821-839.	1.2	5
32	Accounting for stochasticity in demographic compensation along the elevational range of an alpine plant. <i>Ecology Letters</i> , 2020, 23, 870-880.	6.4	5
33	Genetic Variations and Differential DNA Methylation to Face Contrasted Climates in Small Ruminants: An Analysis on Traditionally-Managed Sheep and Goats. <i>Frontiers in Genetics</i> , 2021, 12, 745284.	2.3	4
34	Disturbance and indirect effects of climate warming support a plant invader in mountains. <i>Oikos</i> , 2022, 2022, .	2.7	3
35	Finding the adaptive needles in a population-structured haystack: A case study in a New Zealand mollusc. <i>Journal of Animal Ecology</i> , 2022, 91, 1209-1221.	2.8	3
36	Dispersal evolution and resource matching in a spatially and temporally variable environment. <i>Journal of Theoretical Biology</i> , 2015, 370, 184-196.	1.7	2

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37	Perturbations on the uniform distribution of p-values can lead to misleading inferences from null-hypothesis testing. Trends in Neuroscience and Education, 2017, 8-9, 18-27.	3.1	2