Arnaud Estoup

List of Publications by Year
in descending order

26	4,538	331670	580821
papers	citations	21	25
		h-index	g-index

30	30	30	6464
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	DIYABC v2.0: a software to make approximate Bayesian computation inferences about population history using single nucleotide polymorphism, DNA sequence and microsatellite data. Bioinformatics, 2014, 30, 1187-1189.	4.1	983
2	Homoplasy and mutation model at microsatellite loci and their consequences for population genetics analysis. Molecular Ecology, 2002, 11, 1591-1604.	3.9	734
3	Reconstructing routes of invasion using genetic data: why, how and so what?. Molecular Ecology, 2010, 19, 4113-4130.	3.9	520
4	Inference on population history and model checking using DNA sequence and microsatellite data with the software DIYABC (v1.0). BMC Bioinformatics, 2010, 11, 401.	2.6	434
5	The harlequin ladybird, Harmonia axyridis: global perspectives on invasion history and ecology. Biological Invasions, 2016, 18, 997-1044.	2.4	275
6	Reliable ABC model choice via random forests. Bioinformatics, 2016, 32, 859-866.	4.1	272
7	Estimation of population allele frequencies from next-generation sequencing data: pool-versus individual-based genotyping. Molecular Ecology, 2013, 22, 3766-3779.	3.9	195
8	Inbreeding Depression Is Purged in the Invasive Insect Harmonia axyridis. Current Biology, 2011, 21, 424-427.	3.9	174
9	Inferring Population History From Microsatellite and Enzyme Data in Serially Introduced Cane Toads, <i>Bufo marinus</i>. Genetics, 2001, 159, 1671-1687.	2.9	135
10	Deciphering the routes of invasion of <i>Drosophila suzukii</i> by means of ABC random forest. Molecular Biology and Evolution, 2017, 34, msx050.	8.9	132
11	ABC random forests for Bayesian parameter inference. Bioinformatics, 2019, 35, 1720-1728.	4.1	125
12	Estimation of demo-genetic model probabilities with Approximate Bayesian Computation using linear discriminant analysis on summary statistics. Molecular Ecology Resources, 2012, 12, 846-855.	4.8	87
13	Extending approximate Bayesian computation with supervised machine learning to infer demographic history from genetic polymorphisms using DIYABC Random Forest. Molecular Ecology Resources, 2021, 21, 2598-2613.	4.8	63
14	Absence of evidence for isolation by distance in an expanding cane toad (Bufo marinus) population: an individual-based analysis of microsatellite genotypes. Molecular Ecology, 2000, 9, 1905-1909.	3.9	61
15	A Whole-Genome Scan for Association with Invasion Success in the Fruit Fly Drosophila suzukii Using Contrasts of Allele Frequencies Corrected for Population Structure. Molecular Biology and Evolution, 2020, 37, 2369-2385.	8.9	57
16	Biological invasion and biological control select for different life histories. Nature Communications, 2015, 6, 7268.	12.8	43
17	Oviposition Preference and Larval Performance of Drosophila suzukii (Diptera: Drosophilidae), Spotted-Wing Drosophila: Effects of Fruit Identity and Composition. Environmental Entomology, 2019, 48, 867-881.	1.4	43
18	Near-chromosome level genome assembly of the fruit pest Drosophila suzukii using long-read sequencing. Scientific Reports, 2020, 10, 11227.	3.3	42

#	Article	IF	Citations
19	*f*‑Statistics estimation and admixture graph construction with Pool‑Seq or allele count data using the R package *poolfstat*. Molecular Ecology Resources, 2022, 22, 1394-1416.	4.8	32
20	Cannibalism in invasive, native and biocontrol populations of the harlequin ladybird. BMC Evolutionary Biology, 2014, 14, 15.	3.2	31
21	Evolution in biocontrol strains: insight from the harlequin ladybird *Harmonia axyridis*. Evolutionary Applications, 2012, 5, 481-488.	3.1	27
22	Increase in Male Reproductive Success and Female Reproductive Investment in Invasive Populations of the Harlequin Ladybird Harmonia axyridis. PLoS ONE, 2013, 8, e77083.	2.5	25
23	A young age of subspecific divergence in the desert locust inferred by ABC random forest. Molecular Ecology, 2020, 29, 4542-4558.	3.9	14
24	Reduced population size can induce quick evolution of inbreeding depression in the invasive ladybird Harmonia axyridis. Biological Invasions, 2016, 18, 2871-2881.	2.4	9
25	Adaptation and correlated fitness responses over two time scales in *Drosophila suzukii* populations evolving in different environments. Journal of Evolutionary Biology, 2021, 34, 1225-1240.	1.7	8
26	Likelihood-Free Model Choice. , 2018, , 153-178.		6