Arnaud Estoup

List of Publications by Year
in descending order

26 papers	4,538 citations	331670 21 h-index	580821 25 g-index
30 all docs	30 docs citations	30 times ranked	6464 citing authors

#	Article	IF	Citations
1	*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
2	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
3	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
4	A young age of subspecific divergence in the desert locust inferred by ABC random forest. Molecular Ecology, 2020, 29, 4542-4558.	3.9	14
5	Near-chromosome level genome assembly of the fruit pest Drosophila suzukii using long-read sequencing. Scientific Reports, 2020, 10, 11227.	3.3	42
6	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
7	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
8	ABC random forests for Bayesian parameter inference. Bioinformatics, 2019, 35, 1720-1728.	4.1	125
9	Likelihood-Free Model Choice. , 2018, , 153-178.		6
10	Deciphering the routes of invasion of *Drosophila suzukii* by means of ABC random forest. Molecular Biology and Evolution, 2017, 34, msx050.	8.9	132
11	The harlequin ladybird, Harmonia axyridis: global perspectives on invasion history and ecology. Biological Invasions, 2016, 18, 997-1044.	2.4	275
12	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
13	Reliable ABC model choice via random forests. Bioinformatics, 2016, 32, 859-866.	4.1	272
14	Biological invasion and biological control select for different life histories. Nature Communications, 2015, 6, 7268.	12.8	43
15	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
16	Cannibalism in invasive, native and biocontrol populations of the harlequin ladybird. BMC Evolutionary Biology, 2014, 14, 15.	3.2	31
17	Estimation of population allele frequencies from next‐generation sequencing data: pool‐versus individual‐based genotyping. Molecular Ecology, 2013, 22, 3766-3779.	3.9	195
18	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

#	Article	IF	Citations
19	Evolution in biocontrol strains: insight from the harlequin ladybird *Harmonia axyridis*. Evolutionary Applications, 2012, 5, 481-488.	3.1	27
20	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
21	Inbreeding Depression Is Purged in the Invasive Insect Harmonia axyridis. Current Biology, 2011, 21, 424-427.	3.9	174
22	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
23	Reconstructing routes of invasion using genetic data: why, how and so what?. Molecular Ecology, 2010, 19, 4113-4130.	3.9	520
24	Homoplasy and mutation model at microsatellite loci and their consequences for population genetics analysis. Molecular Ecology, 2002, 11, 1591-1604.	3.9	734
25	Inferring Population History From Microsatellite and Enzyme Data in Serially Introduced Cane Toads, *Bufo marinus*. Genetics, 2001, 159, 1671-1687.	2.9	135
26	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