Gilles Guillot

List of Publications by Year
in descending order

47 papers	3,990 citations	304602 22 h-index	265120 42 g-index
48 all docs	48 docs citations	48 times ranked	5418 citing authors

#	Article	IF	Citations
1	Geneland: a computer package for landscape genetics. Molecular Ecology Notes, 2005, 5, 712-715.	1.7	955
2	A Spatial Statistical Model for Landscape Genetics. Genetics, 2005, 170, 1261-1280.	1.2	538
3	Dismantling the Mantel tests. Methods in Ecology and Evolution, 2013, 4, 336-344.	2.2	397
4	Statistical methods in spatial genetics. Molecular Ecology, 2009, 18, 4734-4756.	2.0	319
5	Bayesian Clustering Using Hidden Markov Random Fields in Spatial Population Genetics. Genetics, 2006, 174, 805-816.	1.2	284
6	Analysing georeferenced population genetics data with Geneland: a new algorithm to deal with null alleles and a friendly graphical user interface. Bioinformatics, 2008, 24, 1406-1407.	1.8	258
7	Genetic structure is influenced by landscape features: empirical evidence from a roe deer population. Molecular Ecology, 2006, 15, 1669-1679.	2.0	238
8	Inference of structure in subdivided populations at low levels of genetic differentiation—the correlated allele frequencies model revisited. Bioinformatics, 2008, 24, 2222-2228.	1.8	142
9	A Unifying Model for the Analysis of Phenotypic, Genetic, and Geographic Data. Systematic Biology, 2012, 61, 897-911.	2.7	128
10	Identification of Adipocyte Genes Regulated by Caloric Intake. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E413-E418.	1.8	74
11	Guidance on dermal absorption. EFSA Journal, 2017, 15, e04873.	0.9	62
12	A computer program to simulate multilocus genotype data with spatially autocorrelated allele frequencies. Molecular Ecology Resources, 2009, 9, 1112-1120.	2.2	54
13	Investigating combined toxicity of binary mixtures in bees: Meta-analysis of laboratory tests, modelling, mechanistic basis and implications for risk assessment. Environment International, 2019, 133, 105256.	4.8	54
14	Detecting correlation between allele frequencies and environmental variables as a signature of selection. A fast computational approach for genome-wide studies. Spatial Statistics, 2014, 8, 145-155.	0.9	52
15	On the inference of spatial structure from population genetics data. Bioinformatics, 2009, 25, 1796-1801.	1.8	36
16	Population substructure in Finland and Sweden revealed by the use of spatial coordinates and a small number of unlinked autosomal SNPs. BMC Genetics, 2008, 9, 54.	2.7	31
17	Correcting for ascertainment bias in the inference of population structure. Bioinformatics, 2009, 25, 552-554.	1.8	31
18	Using AFLP markers and the Geneland program for the inference of population genetic structure. Molecular Ecology Resources, 2010, 10, 1082-1084.	2.2	31

#	Article	IF	Citations
19	A network-based analysis of allergen-challenged CD4+ T cells from patients with allergic rhinitis. Genes and Immunity, 2006, 7, 514-521.	2.2	30
20	Approximation of Sahelian rainfall fields with meta-Gaussian random functions. Stochastic Environmental Research and Risk Assessment, 1999, 13, 100-112.	1.9	28
21	Disaggregation of Sahelian mesoscale convective system rain fields: Further developments and validation. Journal of Geophysical Research, 1999, 104, 31533-31551.	3.3	28
22	Estimating the location and shape of hybrid zones. Molecular Ecology Resources, 2011, 11, 1119-1123.	2.2	24
23	Gibbs sampling for conditional spatial disaggregation of rain fields. Water Resources Research, 2004, 40, .	1.7	23
24	Approximation of Sahelian rainfall fields with meta-Gaussian random functions. Stochastic Environmental Research and Risk Assessment, 1999, 13, 113-130.	1.9	22
25	Serological monitoring on milk and serum samples in a BVD eradication program: A field study in Belgium showing antibody ELISA performances and epidemiological aspects. Preventive Veterinary Medicine, 2018, 160, 136-144.	0.7	17
26	A genomewide catalogue of single nucleotide polymorphisms in whiteâ€beaked and Atlantic whiteâ€sided dolphins. Molecular Ecology Resources, 2016, 16, 266-276.	2.2	16
27	Accurate continuous geographic assignment from low- to high-density SNP data. Bioinformatics, 2016, 32, 1106-1108.	1.8	16
28	Inference of a hidden spatial tessellation from multivariate data: application to the delineation of homogeneous regions in an agricultural field. Journal of the Royal Statistical Society Series C: Applied Statistics, 2006, 55, 407-430.	0.5	13
29	Enhanced computational methods for quantifying the effect of geographic and environmental isolation on genetic differentiation. Methods in Ecology and Evolution, 2015, 6, 1270-1277.	2.2	13
30	Spatial models for probabilistic prediction of wind power with application to annual-average and high temporal resolution data. Stochastic Environmental Research and Risk Assessment, 2017, 31, 1615-1631.	1.9	12
31	Latitudinal variation in climateâ€associated genes imperils range edge populations. Molecular Ecology, 2020, 29, 4337-4349.	2.0	12
32	Spatial Prediction of Weed Intensities From Exact Count Data and Image-Based Estimates. Journal of the Royal Statistical Society Series C: Applied Statistics, 2009, 58, 525-542.	0.5	10
33	Splendor and misery of indirect measures of migration and gene flow. Heredity, 2011, 106, 11-12.	1.2	9
34	Validity of covariance models for the analysis of geographical variation. Methods in Ecology and Evolution, 2014, 5, 329-335.	2.2	9
35	On the Informativeness of Dominant and Co-Dominant Genetic Markers for Bayesian Supervised Clustering. The Open Statistics & Probability Journal, 2011, 3, 7-12.	0.4	7
36	Response to comment on â€˜On the inference of spatial structure from population genetics dataâ€™. Bioinformatics, 2009, 25, 1805-1806.	1.8	5

#	ARTICLE	IF	CITATIONS
37	Discrimination and scoring using small sets of genes for two-sample microarray data. Mathematical Biosciences, 2007, 205, 195-203.	0.9	4
38	Population dynamics of species‑rich ecosystems: the mixture of matrix population models approach. Methods in Ecology and Evolution, 2013, 4, 316-326.	2.2	3
39	Efforts needed for preventing breast and colorectal cancer through changes in dietary patterns. European Journal of Public Health, 2021, 31, 355-360.	0.1	2
40	A Spatial Model for the Instantaneous Estimation of Wind Power at a Large Number of Unobserved Sites. Procedia Environmental Sciences, 2015, 26, 131-134.	1.3	1
41	Global burden of diabetes: regional disparities in prevalence, incidence, and mortality. Journal of Health Inequalities, 2019, 5, 141-154.	0.1	1
42	Dose–response analysis of toxicological and pharmacological mixtures with the model deviation ratio method: Problems and solutions. Toxicology Letters, 2020, 325, 62-66.	0.4	1
43	Identification of Adipocyte Genes Regulated by Caloric Intake. Endocrine Reviews, 2010, 31, 945-945.	8.9	0
44	Outcome of the public consultation on the draft EFSA Guidance on dermal absorption. EFSA Supporting Publications, 2017, 14, 1250E.	0.3	0
45	APPLICATION OF THE GIBBS SAMPLER TO THE CONDITIONAL SIMULATION OF RAIN FIELDS. , 2002, , .		0
46	Identification of Adipocyte Genes Regulated by Caloric Intake. Endocrinology, 2010, 151, 5973-5973.	1.4	0
47	Editorial: Advances in Statistical Ecology: New Methods and Software. Frontiers in Ecology and Evolution, 2022, 9, .	1.1	0