Jerome Goudet

List of Publications by Year in Descending Order

105 papers	28,435 citations	41 h-index	118 g-index
118 ext. papers	32,625 ext. citations	4.9 avg, IF	7.54 L-index

#	Paper	IF	Citations
105	How HLA diversity is apportioned: influence of selection and relevance to transplantation.. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2022**, 377, 20200420	5.8	2
104	New genome assembly of the barn owl (). *Ecology and Evolution*, **2020**, 10, 2284-2298	2.8	1
103	Common garden experiments to study local adaptation need to account for population structure. *Journal of Ecology*, **2020**,	6	2
102	Greater topoclimatic control of above- versus below-ground communities. *Global Change Biology*, **2020**, 26, 6715-6728	11.4	3
101	Female-biased dispersal and non-random gene flow of MC1R variants do not result in a migration load in barn owls. *Heredity*, **2019**, 122, 305-314	3.6	0
100	QuantiNemo 2: a Swiss knife to simulate complex demographic and genetic scenarios, forward and backward in time. *Bioinformatics*, **2019**, 35, 886-888	7.2	11
99	The Rocky Mountains as a dispersal barrier between barn owl (Tyto alba) populations in North America. *Journal of Biogeography*, **2018**, 45, 1288-1300	4.1	13
98	Sex-antagonistic genes, XY recombination and feminized Y chromosomes. *Journal of Evolutionary Biology*, **2018**, 31, 416-427	2.3	13
97	A genetic reconstruction of the invasion of the calanoid copepod Pseudodiaptomus inopinus across the North American Pacific Coast. *Biological Invasions*, **2018**, 20, 1577-1595	2.7	8
96	The Effect of Balancing Selection on Population Differentiation: A Study with HLA Genes. *G3: Genes, Genomes, Genetics*, **2018**, 8, 2805-2815	3.2	16
95	How to estimate kinship. *Molecular Ecology*, **2018**, 27, 4121-4135	5.7	31
94	Complex genetic patterns in human arise from a simple range-expansion model over continental landmasses. *PLoS ONE*, **2018**, 13, e0192460	3.7	6
93	Phosphorus acquisition efficiency in arbuscular mycorrhizal maize is correlated with the abundance of root-external hyphae and the accumulation of transcripts encoding PHT1 phosphate transporters. *New Phytologist*, **2017**, 214, 632-643	9.8	144
92	Broad-Scale Genetic Diversity of Cannabis for Forensic Applications. *PLoS ONE*, **2017**, 12, e0170522	3.7	28
91	A Unified Characterization of Population Structure and Relatedness. *Genetics*, **2017**, 206, 2085-2103	4	49
90	Linking genomics and population genetics with R. *Molecular Ecology Resources*, **2017**, 17, 54-66	8.4	11
89	apex: phylogenetics with multiple genes. *Molecular Ecology Resources*, **2017**, 17, 19-26	8.4	13

88	Genomic Evidence for Adaptive Inversion Clines in Drosophila melanogaster. *Molecular Biology and Evolution*, **2016**, 33, 1317-36	8.3	99
87	Population-specific FST values for forensic STR markers: A worldwide survey. *Forensic Science International: Genetics*, **2016**, 23, 91-100	4.3	52
86	Reconstructing the demographic history of divergence between European river and brook lampreys using approximate Bayesian computations. *PeerJ*, **2016**, 4, e1910	3.1	16
85	Sex-specific allelic transmission bias suggests sexual conflict at MC1R. *Molecular Ecology*, **2016**, 25, 4551-63	5.7	9
84	The genetic basis of color-related local adaptation in a ring-like colonization around the Mediterranean. *Evolution; International Journal of Organic Evolution*, **2016**, 70, 140-53	3.8	18
83	How a haemosporidian parasite of bats gets around: the genetic structure of a parasite, vector and host compared. *Molecular Ecology*, **2015**, 24, 926-40	5.7	16
82	Mapping Bias Overestimates Reference Allele Frequencies at the HLA Genes in the 1000 Genomes Project Phase I Data. *G3: Genes, Genomes, Genetics*, **2015**, 5, 931-41	3.2	92
81	Soil fungal communities of grasslands are environmentally structured at a regional scale in the Alps. *Molecular Ecology*, **2014**, 23, 4274-90	5.7	85
80	Natural selection in a postglacial range expansion: the case of the colour cline in the European barn owl. *Molecular Ecology*, **2014**, 23, 5508-23	5.7	18
79	Wheat alleles introgress into selfing wild relatives: empirical estimates from approximate Bayesian computation in Aegilops triuncialis. *Molecular Ecology*, **2014**, 23, 5089-101	5.7	7
78	On the transition of genetic differentiation from isolation to panmixia: what we can learn from GST and D. *Theoretical Population Biology*, **2014**, 93, 75-84	1.2	45
77	Plant species distributions along environmental gradients: do belowground interactions with fungi matter?. *Frontiers in Plant Science*, **2013**, 4, 500	6.2	29
76	Density-based hierarchical clustering of pyro-sequences on a large scale--the case of fungal ITS1. *Bioinformatics*, **2013**, 29, 1268-74	7.2	14
75	Peak and persistent excess of genetic diversity following an abrupt migration increase. *Genetics*, **2013**, 193, 953-71	4	22
74	Genetic basis of adaptation in Arabidopsis thaliana: local adaptation at the seed dormancy QTL DOG1. *Evolution; International Journal of Organic Evolution*, **2012**, 66, 2287-302	3.8	79
73	Plants and tortoises: mutations in the Arabidopsis jasmonate pathway increase feeding in a vertebrate herbivore. *Molecular Ecology*, **2012**, 21, 2534-41	5.7	11
72	Similarity in food cleaning techniques within matrilines in wild vervet monkeys. *PLoS ONE*, **2012**, 7, e35694	3.7	55
71	Local adaptation and matching habitat choice in female barn owls with respect to melanic coloration. *Journal of Evolutionary Biology*, **2012**, 25, 103-14	2.3	65

70	Ecology and life history affect different aspects of the population structure of 27 high-alpine plants. *Molecular Ecology*, **2011**, 20, 3144-55	5.7	35
69	Fine-scale spatial genetic structure and gene dispersal in Silene latifolia. *Heredity*, **2011**, 106, 13-24	3.6	38
68	Global invasion history of the fire ant Solenopsis invicta. *Science*, **2011**, 331, 1066-8	33.3	291
67	Local adaptation maintains clinal variation in melanin-based coloration of European barn owls (Tyto alba). *Evolution; International Journal of Organic Evolution*, **2010**, 64, 1944-54	3.8	87
66	Mites as biological tags of their hosts. *Molecular Ecology*, **2010**, 19, 2770-8	5.7	29
65	Genetic isolation of insular populations of the Maghrebian bat, Myotis punicus, in the Mediterranean Basin. *Journal of Biogeography*, **2010**, 37, 1557	4.1	17
64	Evolution in heterogeneous populations: from migration models to fixation probabilities. *Theoretical Population Biology*, **2010**, 78, 250-8	1.2	23
63	Inferring recent migration rates from individual genotypes. *Molecular Ecology*, **2009**, 18, 1048-60	5.7	27
62	Parallel changes in genetic diversity and species diversity following a natural disturbance. *Molecular Ecology*, **2009**, 18, 1137-44	5.7	48
61	Reduced genetic diversity, increased isolation and multiple introductions of invasive giant hogweed in the western Swiss Alps. *Molecular Ecology*, **2009**, 18, 2819-31	5.7	45
60	How accurate is the current picture of human genetic variation?. *Heredity*, **2009**, 102, 120-6	3.6	34
59	Correlated evolution of mating strategy and inbreeding depression within and among populations of the hermaphroditic snail Physa acuta. *Evolution; International Journal of Organic Evolution*, **2009**, 63, 2790-804	3.8	22
58	A set of primers for plastid indels and nuclear microsatellites in the invasive plant Heracleum mantegazzianum (Apiaceae) and their transferability to Heracleum sphondylium. *Molecular Ecology Resources*, **2008**, 8, 161-3	8.4	8
57	quantiNemo: an individual-based program to simulate quantitative traits with explicit genetic architecture in a dynamic metapopulation. *Bioinformatics*, **2008**, 24, 1552-3	7.2	93
56	Multivariate QST-FST comparisons: a neutrality test for the evolution of the g matrix in structured populations. *Genetics*, **2008**, 180, 2135-49	4	48
55	Effects of selection and drift on G matrix evolution in a heterogeneous environment: a multivariate Qst-Fst Test with the freshwater snail Galba truncatula. *Genetics*, **2008**, 180, 2151-61	4	22
54	Gender-role alternation in the simultaneously hermaphroditic freshwater snail Physa acuta: not with the same partner. *Behavioral Ecology and Sociobiology*, **2008**, 62, 713-720	2.5	11
53	A step-by-step tutorial to use HierFstat to analyse populations hierarchically structured at multiple levels. *Infection, Genetics and Evolution*, **2007**, 7, 731-5	4.5	57

52	SEX-BIASED DISPERSAL IN A MIGRATORY BAT: A CHARACTERIZATION USING SEX-SPECIFIC DEMOGRAPHIC PARAMETERS. *Evolution; International Journal of Organic Evolution*, **2007**, 55, 635-640	3.8	5
51	Reliable selfing rate estimates from imperfect population genetic data. *Molecular Ecology*, **2007**, 16, 2474-87	5.7	280
50	High quantitative and no molecular differentiation of a freshwater snail (Galba truncatula) between temporary and permanent water habitats. *Molecular Ecology*, **2007**, 16, 3484-96	5.7	27
49	Effect of mating history on gender preference in the hermaphroditic snail Physa acuta. *Animal Behaviour*, **2007**, 74, 1455-1461	2.8	13
48	Going the distance: human population genetics in a clinal world. *Trends in Genetics*, **2007**, 23, 432-9	8.5	182
47	Under neutrality, Q(ST) Genetics, **2007**, 176, 1371-4	4	38
46	Proximity-dependent pollen performance in Silene vulgaris. *Annals of Botany*, **2006**, 98, 431-7	4.1	16
45	The effects of dominance, regular inbreeding and sampling design on Q(ST), an estimator of population differentiation for quantitative traits. *Genetics*, **2006**, 172, 1337-47	4	90
44	Evolutionary aspects of population structure for molecular and quantitative traits in the freshwater snail Radix balthica. *Journal of Evolutionary Biology*, **2006**, 19, 1071-82	2.3	23
43	Inbreeding effects on progeny sex ratio and gender variation in the gynodioecious Silene vulgaris (Caryophyllaceae). *New Phytologist*, **2006**, 172, 763-73	9.8	19
42	Variation in the intensity of inbreeding depression among successive life-cycle stages and generations in gynodioecious Silene vulgaris (Caryophyllaceae). *Journal of Evolutionary Biology*, **2006**, 19, 1995-2005	2.3	25
41	Experimental evidence of inbreeding avoidance in the hermaphroditic snail Physa acuta. *Evolutionary Ecology*, **2006**, 20, 395-406	1.8	31
40	Heterozygote advantage and the maintenance of polymorphism for multilocus traits. *Theoretical Population Biology*, **2005**, 68, 157-66	1.2	5
39	Ecological components and evolution of selfing in the freshwater snail Galba truncatula. *Journal of Evolutionary Biology*, **2005**, 18, 358-70	2.3	35
38	hierfstat, a package for r to compute and test hierarchical F-statistics. *Molecular Ecology Notes*, **2005**, 5, 184-186		1169
37	Detecting the number of clusters of individuals using the software STRUCTURE: a simulation study. *Molecular Ecology*, **2005**, 14, 2611-20	5.7	14521
36	High genetic variability and low local diversity in a population of arbuscular mycorrhizal fungi. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 2369-74	11.5	167
35	Synergistic epistasis and alternative hypotheses. *Journal of Evolutionary Biology*, **2004**, 17, 1400-1; discussion 1402-4	2.3	3

34	Study of Gene Flow Through a Hybrid Zone in the Common Shrew (Sorex Araneus) Using Microsatellites. *Hereditas*, **2004**, 125, 159-168	2.4	25
33	Isolation and characterization of highly polymorphic microsatellite loci in the bladder campion, Silene vulgaris (Caryophyllaceae). *Molecular Ecology Notes*, **2003**, 3, 358-359		13
32	EVOLUTIONARY IMPLICATIONS OF A HIGH SELFING RATE IN THE FRESHWATER SNAIL LYMNAEA TRUNCATULA. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 2303-2314	3.8	43
31	The additive genetic variance after bottlenecks is affected by the number of loci involved in epistatic interactions. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 706-16	3.8	49
30	EVOLUTIONARY IMPLICATIONS OF A HIGH SELFING RATE IN THE FRESHWATER SNAIL LYMNAEA TRUNCATULA. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 2303	3.8	41
29	THE ADDITIVE GENETIC VARIANCE AFTER BOTTLENECKS IS AFFECTED BY THE NUMBER OF LOCI INVOLVED IN EPISTATIC INTERACTIONS. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 706	3.8	11
28	Evolutionary implications of a high selfing rate in the freshwater snail Lymnaea truncatula. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 2303-14	3.8	9
27	Statistical properties of population differentiation estimators under stepwise mutation in a finite island model. *Molecular Ecology*, **2002**, 11, 771-83	5.7	140
26	Tests for sex-biased dispersal using bi-parentally inherited genetic markers. *Molecular Ecology*, **2002**, 11, 1103-14	5.7	396
25	Geographical and altitudinal population genetic structure of two dung fly species with contrasting mobility and temperature preference. *Heredity*, **2002**, 89, 99-106	3.6	52
24	The correlation between inbreeding and fitness: does allele size matter?. *Trends in Ecology and Evolution*, **2002**, 17, 201-202	10.9	34
23	Sex-biased dispersal in a migratory bat: a characterization using sex-specific demographic parameters. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 635-40	3.8	222
22	Microsatellites in the hermaphroditic snail, Lymnaea truncatula, intermediate host of the liver fluke, Fasciola hepatica. *Molecular Ecology*, **2000**, 9, 1662-4	5.7	31
21	Microsatellites can be misleading: an empirical and simulation study. *Evolution; International Journal of Organic Evolution*, **2000**, 54, 1414-22	3.8	239
20	MICROSATELLITES CAN BE MISLEADING: AN EMPIRICAL AND SIMULATION STUDY. *Evolution; International Journal of Organic Evolution*, **2000**, 54, 1414	3.8	18
19	Genetic structure of the genus Leptospira by multilocus enzyme electrophoresis. *International Journal of Systematic and Evolutionary Microbiology*, **1999**, 49, 231-238	2.2	9
18	Do riverine barriers, history or introgression shape the genetic structuring of a common shrew (Sorex araneus) population?. *Heredity*, **1999**, 83 (Pt 2), 155-61	3.6	42
17	Hierarchical analyses of genetic differentiation in a hybrid zone of Sorex araneus (Insectivora: Soricidae). *Molecular Ecology*, **1999**, 8, 419-431	5.7	62

16	An Improved Procedure for Testing the Effects of Key Innovations on Rate of Speciation. *American Naturalist*, **1999**, 153, 549-555	3.7	24
15	Restricted gene flow and subpopulation differentiation in Silene dioica. *Heredity*, **1998**, 80, 715-723	3.6	39
14	Breeding System and Genetic Variance in the Monogamous, Semi-Social Shrew, Crocidura russula. *Evolution; International Journal of Organic Evolution*, **1998**, 52, 1230	3.8	23
13	Rate of gene sequence evolution and species diversification in flowering plants: a re□valuation. *Proceedings of the Royal Society B: Biological Sciences*, **1998**, 265, 603-607	4.4	16
12	Microsatellite conservation, polymorphism, and GC content in shrews of the genus Sorex (Insectivora, Mammalia). *Molecular Biology and Evolution*, **1998**, 15, 473-5	8.3	55
11	BREEDING SYSTEM AND GENETIC VARIANCE IN THE MONOGAMOUS, SEMI-SOCIAL SHREW, CROCIDURA RUSSULA. *Evolution; International Journal of Organic Evolution*, **1998**, 52, 1230-1235	3.8	31
10	Genetic Differentiation in Silene dioica Metapopulations: Estimation of Spatiotemporal Effects in a Successional Plant Species. *American Naturalist*, **1997**, 149, 507-526	3.7	144
9	MICROSATELLITES REVEAL HIGH POPULATION VISCOSITY AND LIMITED DISPERSAL IN THE ANT FORMICA PARALUGUBRIS. *Evolution; International Journal of Organic Evolution*, **1997**, 51, 475-482	3.8	92
8	Microsatellites Reveal High Population Viscosity and Limited Dispersal in the Ant Formica paralugubris. *Evolution; International Journal of Organic Evolution*, **1997**, 51, 475	3.8	52
7	Female-biased dispersal in the monogamous mammal Crocidura russula: evidence from field data and microsatellite patterns. *Proceedings of the Royal Society B: Biological Sciences*, **1997**, 264, 127-32	4.4	285
6	Genetic differentiation of continental and island populations of Bombus terrestris (Hymenoptera: Apidae) in Europe. *Molecular Ecology*, **1996**, 5, 19-31	5.7	239
5	Genetic structure of a linear population of Beta vulgaris ssp. maritima (sea beet) revealed by isozyme and RFLP analysis. *Heredity*, **1996**, 76, 111-117	3.6	28
4	Typing Candida albicans oral isolates from human immunodeficiency virus-infected patients by multilocus enzyme electrophoresis and DNA fingerprinting. *Journal of Clinical Microbiology*, **1996**, 34, 1235-48	9.7	54
3	Testing differentiation in diploid populations. *Genetics*, **1996**, 144, 1933-40	4	981
2	FSTAT (Version 1.2): A Computer Program to Calculate F-Statistics. *Journal of Heredity*, **1995**, 86, 485-486	2.4	6267
1	A unified characterization of population structure and relatedness		1