

# François Pompanon

## List of Publications by Year in descending order

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Version: 2024-02-01

73  
papers

14,341  
citations

94433

37  
h-index

79698

73  
g-index

81  
all docs

81  
docs citations

81  
times ranked

14829  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards next-generation biodiversity assessment using DNA metabarcoding. <i>Molecular Ecology</i> , 2012, 21, 2045-2050.	3.9	1,253
2	How to track and assess genotyping errors in population genetics studies. <i>Molecular Ecology</i> , 2004, 13, 3261-3273.	3.9	1,227
3	Species detection using environmental DNA from water samples. <i>Biology Letters</i> , 2008, 4, 423-425.	2.3	1,216
4	Genotyping errors: causes, consequences and solutions. <i>Nature Reviews Genetics</i> , 2005, 6, 847-859.	16.8	954
5	Who is eating what: diet assessment using next generation sequencing. <i>Molecular Ecology</i> , 2012, 21, 1931-1950.	3.9	913
6	Power and limitations of the chloroplast trnL (UAA) intron for plant DNA barcoding. <i>Nucleic Acids Research</i> , 2007, 35, e14-e14.	14.5	842
7	DNA barcoding for ecologists. <i>Trends in Ecology and Evolution</i> , 2009, 24, 110-117.	8.7	803
8	Replication levels, false presences and the estimation of the presence/absence from eDNA metabarcoding data. <i>Molecular Ecology Resources</i> , 2015, 15, 543-556.	4.8	517
9	Persistence of Environmental DNA in Freshwater Ecosystems. <i>PLoS ONE</i> , 2011, 6, e23398.	2.5	507
10	Fifty thousand years of Arctic vegetation and megafaunal diet. <i>Nature</i> , 2014, 506, 47-51.	27.8	505
11	DNA metabarcoding and the cytochrome <i>c</i> oxidase subunit I marker: not a perfect match. <i>Biology Letters</i> , 2014, 10, 20140562.	2.3	445
12	ecoPrimers: inference of new DNA barcode markers from whole genome sequence analysis. <i>Nucleic Acids Research</i> , 2011, 39, e145-e145.	14.5	416
13	An In silico approach for the evaluation of DNA barcodes. <i>BMC Genomics</i> , 2010, 11, 434.	2.8	370
14	New perspectives in diet analysis based on DNA barcoding and parallel pyrosequencing: the trnL approach. <i>Molecular Ecology Resources</i> , 2009, 9, 51-60.	4.8	358
15	The goat domestication process inferred from large-scale mitochondrial DNA analysis of wild and domestic individuals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17659-17664.	7.1	279
16	Explorative Genome Scan to Detect Candidate Loci for Adaptation Along a Gradient of Altitude in the Common Frog ( <i>Rana temporaria</i> ). <i>Molecular Biology and Evolution</i> , 2006, 23, 773-783.	8.9	276
17	Soil sampling and isolation of extracellular DNA from large amount of starting material suitable for metabarcoding studies. <i>Molecular Ecology</i> , 2012, 21, 1816-1820.	3.9	264
18	DNA from soil mirrors plant taxonomic and growth form diversity. <i>Molecular Ecology</i> , 2012, 21, 3647-3655.	3.9	262

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19	Carnivore diet analysis based on next-generation sequencing: application to the leopard cat ( <i>Prionailurus bengalensis</i> ) in Pakistan. <i>Molecular Ecology</i> , 2012, 21, 1951-1965.	3.9	244
20	Convergent genomic signatures of domestication in sheep and goats. <i>Nature Communications</i> , 2018, 9, 813.	12.8	220
21	Are cattle, sheep, and goats endangered species?. <i>Molecular Ecology</i> , 2008, 17, 275-284.	3.9	217
22	Population Adaptive Index: a New Method to Help Measure Intraspecific Genetic Diversity and Prioritize Populations for Conservation. <i>Conservation Biology</i> , 2007, 21, 697-708.	4.7	186
23	Large-Scale Mitochondrial DNA Analysis of the Domestic Goat Reveals Six Haplogroups with High Diversity. <i>PLoS ONE</i> , 2007, 2, e1012.	2.5	185
24	Ancient goat genomes reveal mosaic domestication in the Fertile Crescent. <i>Science</i> , 2018, 361, 85-88.	12.6	149
25	Conservation genetics of cattle, sheep, and goats. <i>Comptes Rendus - Biologies</i> , 2011, 334, 247-254.	0.2	137
26	Sheep genome functional annotation reveals proximal regulatory elements contributed to the evolution of modern breeds. <i>Nature Communications</i> , 2018, 9, 859.	12.8	126
27	Evolution and taxonomy of the wild species of the genus <i>Ovis</i> (Mammalia, Artiodactyla, Bovidae). <i>Molecular Phylogenetics and Evolution</i> , 2010, 54, 315-326.	2.7	124
28	Prey Preference of Snow Leopard ( <i>Panthera uncia</i> ) in South Gobi, Mongolia. <i>PLoS ONE</i> , 2012, 7, e32104.	2.5	110
29	Characterizing neutral genomic diversity and selection signatures in indigenous populations of Moroccan goats ( <i>Capra hircus</i> ) using WGS data. <i>Frontiers in Genetics</i> , 2015, 6, 107.	2.3	108
30	Universal DNA-Based Methods for Assessing the Diet of Grazing Livestock and Wildlife from Feces. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 5700-5706.	5.2	80
31	Optimizing the trade-off between spatial and genetic sampling efforts in patchy populations: towards a better assessment of functional connectivity using an individual-based sampling scheme. <i>Molecular Ecology</i> , 2013, 22, 5516-5530.	3.9	79
32	Prospects and challenges for the conservation of farm animal genomic resources, 2015-2025. <i>Frontiers in Genetics</i> , 2015, 6, 314.	2.3	64
33	Whole mitochondrial genomes unveil the impact of domestication on goat matrilineal variability. <i>BMC Genomics</i> , 2015, 16, 1115.	2.8	56
34	Evidence for a Substrate-Borne Sex Pheromone in the Parasitoid Wasp <i>Trichogramma brassicae</i> . <i>Journal of Chemical Ecology</i> , 1997, 23, 1349-1360.	1.8	53
35	Forest without prey: livestock sustain a leopard <i>Panthera pardus</i> population in Pakistan. <i>Oryx</i> , 2015, 49, 248-253.	1.0	53
36	Emergence rhythms and protandry in relation to daily patterns of locomotor activity in <i>Trichogramma</i> species. <i>Evolutionary Ecology</i> , 1995, 9, 467-477.	1.2	50

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37	Use of Amplified Fragment Length Polymorphism (AFLP) Markers in Surveys of Vertebrate Diversity. <i>Methods in Enzymology</i> , 2005, 395, 145-161.	1.0	40
38	Skin swabbing as a new efficient DNA sampling technique in amphibians, and 14 new microsatellite markers in the alpine newt ( <i>Ichthyosaura alpestris</i> ). <i>Molecular Ecology Resources</i> , 2012, 12, 524-531.	4.8	39
39	Speciation in the Globeflower Fly <i>Chiastocheta</i> spp. (Diptera: Anthomyiidae) in Relation to Host Plant Species, Biogeography, and Morphology. <i>Molecular Phylogenetics and Evolution</i> , 2002, 22, 258-268.	2.7	38
40	A 40-year-old divided highway does not prevent gene flow in the alpine newt <i>Ichthyosaura alpestris</i> . <i>Conservation Genetics</i> , 2014, 15, 453-468.	1.5	37
41	Animal performances, pasture biodiversity and dairy product quality: How it works in contrasted mountain grazing systems. <i>Agriculture, Ecosystems and Environment</i> , 2014, 185, 231-244.	5.3	31
42	An evaluation of sequencing coverage and genotyping strategies to assess neutral and adaptive diversity. <i>Molecular Ecology Resources</i> , 2019, 19, 1497-1515.	4.8	31
43	Inhibition of sex pheromone communications of <i>Trichogramma brassicae</i> (Hymenoptera) by the insecticide chlorpyrifos. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 1107-1113.	4.3	30
44	Physiological and genetic factors as sources of variation in locomotion and activity rhythm in a parasitoid wasp ( <i>Trichogramma brassicae</i> ). <i>Physiological Entomology</i> , 1999, 24, 346-357.	1.5	28
45	CE-SSCP and CE-FLA, simple and high-throughput alternatives for fungal diversity studies. <i>Journal of Microbiological Methods</i> , 2008, 72, 42-53.	1.6	28
46	Behavioural circadian rhythms measured in real-time by automatic image analysis: applications in parasitoid insects. <i>Physiological Entomology</i> , 1994, 19, 1-8.	1.5	27
47	Evolutionary history and taxonomy of a short-horned grasshopper subfamily: The Melanoplinae (Orthoptera: Acrididae). <i>Molecular Phylogenetics and Evolution</i> , 2011, 58, 22-32.	2.7	27
48	Variation in predation costs with <i>Chiastocheta</i> egg number on <i>Trollius europaeus</i> : how many seeds to pay for pollination?. <i>Ecological Entomology</i> , 2001, 26, 56-62.	2.2	25
49	Polymorphic microsatellite DNA loci identified in the common frog ( <i>Rana temporaria</i> , Amphibia.) Tj ETQq1 1 0.784314 rgBT /Overlock 1.7 25	1.7	25
50	Next generation sequencing for characterizing biodiversity: promises and challenges. <i>Genetica</i> , 2015, 143, 133-138.	1.1	22
51	Altitudinal Zonation of Green Algae Biodiversity in the French Alps. <i>Frontiers in Plant Science</i> , 2021, 12, 679428.	3.6	22
52	Genetic homogenization of indigenous sheep breeds in Northwest Africa. <i>Scientific Reports</i> , 2019, 9, 7920.	3.3	20
53	Patterns of resource exploitation in four coexisting globeflower fly species ( <i>Chiastocheta</i> sp.). <i>Acta Oecologica</i> , 2006, 29, 233-240.	1.1	19
54	Isolation and characterization of microsatellites in European alpine marmots ( <i>Marmota marmota</i> ). <i>Molecular Ecology Notes</i> , 2003, 3, 189-190.	1.7	18

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55	Microsatellite diversity of the Nordic type of goats in relation to breed conservation: how relevant is pure ancestry?. <i>Journal of Animal Breeding and Genetics</i> , 2017, 134, 78-84.	2.0	18
56	Local adaptations of Mediterranean sheep and goats through an integrative approach. <i>Scientific Reports</i> , 2021, 11, 21363.	3.3	18
57	INHIBITION OF SEX PHEROMONE COMMUNICATIONS OF TRICHOGRAMMA BRASSICAE (HYMENOPTERA) BY THE INSECTICIDE CHLORPYRIFOS. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 1107.	4.3	17
58	VarGoats project: a dataset of 1159 whole-genome sequences to dissect <i>Capra hircus</i> global diversity. <i>Genetics Selection Evolution</i> , 2021, 53, 86.	3.0	16
59	Inside the Melanoplineae: New molecular evidence for the evolutionary history of the Eurasian Podismini (Orthoptera: Acrididae). <i>Molecular Phylogenetics and Evolution</i> , 2014, 71, 224-233.	2.7	15
60	Effect of diapause and developmental host species on the circadian locomotor activity rhythm of <i>Trichogramma brassicae</i> females. <i>Entomologia Experimentalis Et Applicata</i> , 1997, 82, 231-234.	1.4	13
61	Mitochondrial DNA polymorphism in Moroccan goats. <i>Small Ruminant Research</i> , 2011, 98, 201-205.	1.2	13
62	Genetic homogeneity of North-African goats. <i>PLoS ONE</i> , 2018, 13, e0202196.	2.5	12
63	A Dig into the Past Mitochondrial Diversity of Corsican Goats Reveals the Influence of Secular Herding Practices. <i>PLoS ONE</i> , 2012, 7, e30272.	2.5	10
64	Old origin of a protective endogenous retrovirus (enJSRV) in the <i>Ovis</i> genus. <i>Heredity</i> , 2019, 122, 187-194.	2.6	10
65	Search for Selection Signatures Related to Trypanosomosis Tolerance in African Goats. <i>Frontiers in Genetics</i> , 2021, 12, 715732.	2.3	8
66	Isolation and characterization of microsatellites in a perennial Apiaceae, <i>Eryngium alpinum</i> L.. <i>Molecular Ecology Notes</i> , 2002, 2, 107-109.	1.7	7
67	Genome-Wide Detection of Structural Variations Reveals New Regions Associated with Domestication in Small Ruminants. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	7
68	EVOSHEEP: the makeup of sheep breeds in the ancient Near East. <i>Antiquity</i> , 2021, 95, .	1.0	4
69	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
70	Broad maternal geographic origin of domestic sheep in Anatolia and the Zagros. <i>Animal Genetics</i> , 2022, 53, 452-459.	1.7	3
71	Genomic Uniqueness of Local Sheep Breeds From Morocco. <i>Frontiers in Genetics</i> , 2021, 12, 723599.	2.3	2
72	S0125 Changing patterns of genomic variability following domestication of sheep. <i>Journal of Animal Science</i> , 2016, 94, 13-13.	0.5	1

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73	Goat: Domestication. , 2020, , 4604-4607.		0