FranÃ§ois Pompanon

List of Publications by Year
in descending order

73	14,341	94433 37	79698 73
papers	citations	h-index	g-index

81	81	81	14829
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Broad maternal geographic origin of domestic sheep in Anatolia and the Zagros. Animal Genetics, 2022, 53, 452-459.	1.7	3
2	EVOSHEEP: the makeup of sheep breeds in the ancient Near East. Antiquity, 2021, 95, .	1.0	4
3	Altitudinal Zonation of Green Algae Biodiversity in the French Alps. Frontiers in Plant Science, 2021, 12, 679428.	3.6	22
4	Genome-Wide Detection of Structural Variations Reveals New Regions Associated with Domestication in Small Ruminants. Genome Biology and Evolution, 2021, 13, .	2.5	7
5	Search for Selection Signatures Related to Trypanosomosis Tolerance in African Goats. Frontiers in Genetics, 2021, 12, 715732.	2.3	8
6	Genetic Variations and Differential DNA Methylation to Face Contrasted Climates in Small Ruminants: An Analysis on Traditionally-Managed Sheep and Goats. Frontiers in Genetics, 2021, 12, 745284.	2.3	4
7	Local adaptations of Mediterranean sheep and goats through an integrative approach. Scientific Reports, 2021, 11, 21363.	3.3	18
8	VarGoats project: a dataset of 1159 whole-genome sequences to dissect Capra hircus global diversity. Genetics Selection Evolution, 2021, 53, 86.	3.0	16
9	Genomic Uniqueness of Local Sheep Breeds From Morocco. Frontiers in Genetics, 2021, 12, 723599.	2.3	2
10	Goat: Domestication. , 2020, , 4604-4607.		0
11	Old origin of a protective endogenous retrovirus (enJSRV) in the Ovis genus. Heredity, 2019, 122, 187-194.	2.6	10
12	An evaluation of sequencing coverage and genotyping strategies to assess neutral and adaptive diversity. Molecular Ecology Resources, 2019, 19, 1497-1515.	4.8	31
13	Genetic homogenization of indigenous sheep breeds in Northwest Africa. Scientific Reports, 2019, 9, 7920.	3.3	20
14	Convergent genomic signatures of domestication in sheep and goats. Nature Communications, 2018, 9, 813.	12.8	220
15	Sheep genome functional annotation reveals proximal regulatory elements contributed to the evolution of modern breeds. Nature Communications, 2018, 9, 859.	12.8	126
16	Genetic homogeneity of North-African goats. PLoS ONE, 2018, 13, e0202196.	2.5	12
17	Ancient goat genomes reveal mosaic domestication in the Fertile Crescent. Science, 2018, 361, 85-88.	12.6	149
18	Microsatellite diversity of the Nordic type of goats in relation to breed conservation: how relevant is pure ancestry?. Journal of Animal Breeding and Genetics, 2017, 134, 78-84.	2.0	18

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19	S0125 Changing patterns of genomic variability following domestication of sheep. Journal of Animal Science, 2016, 94, 13-13.	0.5	1
20	Whole mitochondrial genomes unveil the impact of domestication on goat matrilineal variability. BMC Genomics, 2015, 16, 1115.	2.8	56
21	Characterizing neutral genomic diversity and selection signatures in indigenous populations of Moroccan goats (Capra hircus) using WGS data. Frontiers in Genetics, 2015, 6, 107.	2.3	108
22	Prospects and challenges for the conservation of farm animal genomic resources, 2015-2025. Frontiers in Genetics, 2015, 6, 314.	2.3	64
23	Next generation sequencing for characterizing biodiversity: promises and challenges. Genetica, 2015, 143, 133-138.	1.1	22
24	Replication levels, false presences and the estimation of the presence/absence from <scp>eDNA</scp> metabarcoding data. Molecular Ecology Resources, 2015, 15, 543-556.	4.8	517
25	Forest without prey: livestock sustain a leopard Panthera pardus population in Pakistan. Oryx, 2015, 49, 248-253.	1.0	53
26	Inside the Melanoplinae: New molecular evidence for the evolutionary history of the Eurasian Podismini (Orthoptera: Acrididae). Molecular Phylogenetics and Evolution, 2014, 71, 224-233.	2.7	15
27	Animal performances, pasture biodiversity and dairy product quality: How it works in contrasted mountain grazing systems. Agriculture, Ecosystems and Environment, 2014, 185, 231-244.	5.3	31
28	Fifty thousand years of Arctic vegetation and megafaunal diet. Nature, 2014, 506, 47-51.	27.8	505
29	DNA metabarcoding and the cytochrome c oxidase subunit I marker: not a perfect match. Biology Letters, 2014, 10, 20140562.	2.3	445
30	A 40-year-old divided highway does not prevent gene flow in the alpine newt Ichthyosaura alpestris. Conservation Genetics, 2014, 15, 453-468.	1.5	37
31	Optimizing the tradeâ€off between spatial and genetic sampling efforts in patchy populations: towards a better assessment of functional connectivity using an individualâ€based sampling scheme. Molecular Ecology, 2013, 22, 5516-5530.	3.9	79
32	A Dig into the Past Mitochondrial Diversity of Corsican Goats Reveals the Influence of Secular Herding Practices. PLoS ONE, 2012, 7, e30272.	2.5	10
33	Prey Preference of Snow Leopard (Panthera uncia) in South Gobi, Mongolia. PLoS ONE, 2012, 7, e32104.	2.5	110
34	Skin swabbing as a new efficient DNA sampling technique in amphibians, and 14 new microsatellite markers in the alpine newt (Ichthyosaura alpestris). Molecular Ecology Resources, 2012, 12, 524-531.	4.8	39
35	Soil sampling and isolation of extracellular DNA from large amount of starting material suitable for metabarcoding studies. Molecular Ecology, 2012, 21, 1816-1820.	3.9	264
36	Who is eating what: diet assessment using next generation sequencing. Molecular Ecology, 2012, 21, 1931-1950.	3.9	913

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37	Carnivore diet analysis based on nextâ€generation sequencing: application to the leopard cat (Prionailurus bengalensis) in Pakistan. Molecular Ecology, 2012, 21, 1951-1965.	3.9	244
38	Towards nextâ€generation biodiversity assessment using DNA metabarcoding. Molecular Ecology, 2012, 21, 2045-2050.	3.9	1,253
39	DNA from soil mirrors plant taxonomic and growth form diversity. Molecular Ecology, 2012, 21, 3647-3655.	3.9	262
40	ecoPrimers: inference of new DNA barcode markers from whole genome sequence analysis. Nucleic Acids Research, 2011, 39, e145-e145.	14.5	416
41	Conservation genetics of cattle, sheep, and goats. Comptes Rendus - Biologies, 2011, 334, 247-254.	0.2	137
42	Mitochondrial DNA polymorphism in Moroccan goats. Small Ruminant Research, 2011, 98, 201-205.	1.2	13
43	Evolutionary history and taxonomy of a short-horned grasshopper subfamily: The Melanoplinae (Orthoptera: Acrididae). Molecular Phylogenetics and Evolution, 2011, 58, 22-32.	2.7	27
44	Persistence of Environmental DNA in Freshwater Ecosystems. PLoS ONE, 2011, 6, e23398.	2.5	507
45	An In silico approach for the evaluation of DNA barcodes. BMC Genomics, 2010, 11, 434.	2.8	370
46	Evolution and taxonomy of the wild species of the genus Ovis (Mammalia, Artiodactyla, Bovidae). Molecular Phylogenetics and Evolution, 2010, 54, 315-326.	2.7	124
47	DNA barcoding for ecologists. Trends in Ecology and Evolution, 2009, 24, 110-117.	8.7	803
48	Universal DNA-Based Methods for Assessing the Diet of Grazing Livestock and Wildlife from Feces. Journal of Agricultural and Food Chemistry, 2009, 57, 5700-5706.	5.2	80
49	New perspectives in diet analysis based on DNA barcoding and parallel pyrosequencing: the trnL approach. Molecular Ecology Resources, 2009, 9, 51-60.	4.8	358
50	Are cattle, sheep, and goats endangered species?. Molecular Ecology, 2008, 17, 275-284.	3.9	217
51	Species detection using environmental DNA from water samples. Biology Letters, 2008, 4, 423-425.	2.3	1,216
52	CE-SSCP and CE-FLA, simple and high-throughput alternatives for fungal diversity studies. Journal of Microbiological Methods, 2008, 72, 42-53.	1.6	28
53	The goat domestication process inferred from large-scale mitochondrial DNA analysis of wild and domestic individuals. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17659-17664.	7.1	279
54	Power and limitations of the chloroplast trnL (UAA) intron for plant DNA barcoding. Nucleic Acids Research, 2007, 35, e14-e14.	14.5	842

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55	Large-Scale Mitochondrial DNA Analysis of the Domestic Goat Reveals Six Haplogroups with High Diversity. PLoS ONE, 2007, 2, e1012.	2.5	185
56	Population Adaptive Index: a New Method to Help Measure Intraspecific Genetic Diversity and Prioritize Populations for Conservation. Conservation Biology, 2007, 21, 697-708.	4.7	186
57	Patterns ofÂresource exploitation inÂfourÂcoexisting globeflower fly species (Chiastocheta sp.). Acta Oecologica, 2006, 29, 233-240.	1.1	19
58	Explorative Genome Scan to Detect Candidate Loci for Adaptation Along a Gradient of Altitude in the Common Frog (Rana temporaria). Molecular Biology and Evolution, 2006, 23, 773-783.	8.9	276
59	Genotyping errors: causes, consequences and solutions. Nature Reviews Genetics, 2005, 6, 847-859.	16.3	954
60	Use of Amplified Fragment Length Polymorphism (AFLP) Markers in Surveys of Vertebrate Diversity. Methods in Enzymology, 2005, 395, 145-161.	1.0	40
61	How to track and assess genotyping errors in population genetics studies. Molecular Ecology, 2004, 13, 3261-3273.	3.9	1,227
62	Isolation and characterization of microsatellites in European alpine marmots (Marmota marmota). Molecular Ecology Notes, 2003, 3, 189-190.	1.7	18
63	Speciation in the Globeflower Fly Chiastocheta spp. (Diptera: Anthomyiidae) in Relation to Host Plant Species, Biogeography, and Morphology. Molecular Phylogenetics and Evolution, 2002, 22, 258-268.	2.7	38
64	Isolation and characterization of microsatellites in a perennial Apiaceae, Eryngium alpinum L.. Molecular Ecology Notes, 2002, 2, 107-109.	1.7	7
65	Polymorphic microsatellite DNA loci identified in the common frog (Rana temporaria, Amphibia,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	25
66	Variation in predation costs with Chiastocheta egg number on Trollius europaeus : how many seeds to pay for pollination?. Ecological Entomology, 2001, 26, 56-62.	2.2	25
67	Physiological and genetic factors as sources of variation in locomotion and activity rhythm in a parasitoid wasp (Trichogramma brassicae). Physiological Entomology, 1999, 24, 346-357.	1.5	28
68	Inhibition of sex pheromone communications of Trichogramma brassicae (Hymenoptera) by the insecticide chlorpyrifos. Environmental Toxicology and Chemistry, 1998, 17, 1107-1113.	4.3	30
69	INHIBITION OF SEX PHEROMONE COMMUNICATIONS OF TRICHOGRAMMA BRASSICAE (HYMENOPTERA) BY THE INSECTICIDE CHLORPYRIFOS. Environmental Toxicology and Chemistry, 1998, 17, 1107.	4.3	17
70	Evidence for a Substrate-Borne Sex Pheromone in the Parasitoid Wasp Trichogramma brassicae. Journal of Chemical Ecology, 1997, 23, 1349-1360.	1.8	53
71	Effect of diapause and developmental host species on the circadian locomotor activity rhythm of Trichogramma brassicae females. Entomologia Experimentalis Et Applicata, 1997, 82, 231-234.	1.4	13
72	Emergence rhythms and protandry in relation to daily patterns of locomotor activity inTrichogramma species. Evolutionary Ecology, 1995, 9, 467-477.	1.2	50

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73	Behavioural circadian rhythms measured in real-time by automatic image analysis: applications in parasitoid insects. Physiological Entomology, 1994, 19, 1-8.	1.5	27