Laurent A F Frantz

List of Publications by Year
in descending order

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53 papers	4,901 citations	172457 29 h-index	161849 54 g-index
57 all docs	57 docs citations	57 times ranked	6040 citing authors

#	Article	IF	Citations
1	Analyses of pig genomes provide insight into porcine demography and evolution. Nature, 2012, 491, 393-398.	27.8	1,190
2	Genomic and archaeological evidence suggest a dual origin of domestic dogs. Science, 2016, 352, 1228-1231.	12.6	366
3	Regions of Homozygosity in the Porcine Genome: Consequence of Demography and the Recombination Landscape. PLoS Genetics, 2012, 8, e1003100.	3.5	266
4	Evidence of long-term gene flow and selection during domestication from analyses of Eurasian wild and domestic pig genomes. Nature Genetics, 2015, 47, 1141-1148.	21.4	263
5	Pig Domestication and Human-Mediated Dispersal in Western Eurasia Revealed through Ancient DNA and Geometric Morphometrics. Molecular Biology and Evolution, 2013, 30, 824-832.	8.9	196
6	Origins and genetic legacy of prehistoric dogs. Science, 2020, 370, 557-564.	12.6	152
7	A high density recombination map of the pig reveals a correlation between sex-specific recombination and GC content. BMC Genomics, 2012, 13, 586.	2.8	150
8	863 genomes reveal the origin and domestication of chicken. Cell Research, 2020, 30, 693-701.	12.0	144
9	The evolutionary history of dogs in the Americas. Science, 2018, 361, 81-85.	12.6	140
10	Genome sequencing reveals fine scale diversification and reticulation history during speciation in Sus. Genome Biology, 2013, 14, R107.	9.6	137
11	Genomic analysis reveals selection for Asian genes in European pigs following human-mediated introgression. Nature Communications, 2014, 5, 4392.	12.8	137
12	Animal domestication in the era of ancient genomics. Nature Reviews Genetics, 2020, 21, 449-460.	16.3	119
13	Evolutionary dynamics of copy number variation in pig genomes in the context of adaptation and domestication. BMC Genomics, 2013, 14, 449.	2.8	118
14	Dog domestication and the dual dispersal of people and dogs into the Americas. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	112
15	Ancient pigs reveal a near-complete genomic turnover following their introduction to Europe. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17231-17238.	7.1	101
16	Microbial differences between dental plaque and historic dental calculus are related to oral biofilm maturation stage. Microbiome, 2019, 7, 102.	11.1	97
17	Copy number variation in the speciation of pigs: a possible prominent role for olfactory receptors. BMC Genomics, 2015, 16, 330.	2.8	85
18	The Evolution of Suidae. Annual Review of Animal Biosciences, 2016, 4, 61-85.	7.4	85

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19	Neandertal Admixture in Eurasia Confirmed by Maximum-Likelihood Analysis of Three Genomes. Genetics, 2014, 196, 1241-1251.	2.9	78
20	Ancient DNA suggests modern wolves trace their origin to a Late Pleistocene expansion from Beringia. Molecular Ecology, 2020, 29, 1596-1610.	3.9	70
21	Arctic-adapted dogs emerged at the Pleistoceneâ€“Holocene transition. Science, 2020, 368, 1495-1499.	12.6	60
22	Reconstructing Asian faunal introductions to eastern Africa from multi-proxy biomolecular and archaeological datasets. PLoS ONE, 2017, 12, e0182565.	2.5	53
23	Untangling the hybrid nature of modern pig genomes: a mosaic derived from biogeographically distinct and highly divergent Sus scrofa populations. Molecular Ecology, 2014, 23, 4089-4102.	3.9	52
24	Grey wolf genomic history reveals a dual ancestry of dogs. Nature, 2022, 607, 313-320.	27.8	48
25	The dental calculus metabolome in modern and historic samples. Metabolomics, 2017, 13, 134.	3.0	44
26	Dire wolves were the last of an ancient New World canid lineage. Nature, 2021, 591, 87-91.	27.8	43
27	Inferring Bottlenecks from Genome-Wide Samples of Short Sequence Blocks. Genetics, 2015, 201, 1157-1169.	2.9	40
28	Dogs accompanied humans during the Neolithic expansion into Europe. Biology Letters, 2018, 14, 20180286.	2.3	39
29	Genomic analysis on pygmy hog reveals extensive interbreeding during wild boar expansion. Nature Communications, 2019, 10, 1992.	12.8	38
30	Specialized sledge dogs accompanied Inuit dispersal across the North American Arctic. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191929.	2.6	38
31	Reconsidering domestication from a process archaeology perspective. World Archaeology, 2021, 53, 56-77.	1.1	36
32	Selection of Appropriate Metagenome Taxonomic Classifiers for Ancient Microbiome Research. MSystems, 2018, 3, .	3.8	35
33	Testing models of speciation from genome sequences: divergence and asymmetric admixture in <scp>I</scp>sland <scp>S</scp>outhâ€<scp>E</scp>ast <scp>A</scp>sian <scp>S</scp>us species during the <scp>P</scp>lioâ€<scp>P</scp>leistocene climatic fluctuations. Molecular Ecology, 2014, 23, 5566-5574.	3.9	32
34	Rabbits and the Specious Origins of Domestication. Trends in Ecology and Evolution, 2018, 33, 149-152.	8.7	28
35	The biocultural origins and dispersal of domestic chickens. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	28
36	Genomes of Pleistocene Siberian Wolves Uncover Multiple Extinct Wolf Lineages. Current Biology, 2021, 31, 198-206.e8.	3.9	26

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37	Artificial selection on introduced Asian haplotypes shaped the genetic architecture in European commercial pigs. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20152019.	2.6	25
38	Natural and human-driven selection of a single non-coding body size variant in ancient and modern canids. Current Biology, 2022, 32, 889-897.e9.	3.9	23
39	Hybrid origin of European commercial pigs examined by an in-depth haplotype analysis on chromosome 1. Frontiers in Genetics, 2014, 5, 442.	2.3	19
40	A novelMC1Rallele for black coat colour reveals the Polynesian ancestry and hybridization patterns of Hawaiian feral pigs. Royal Society Open Science, 2016, 3, 160304.	2.4	19
41	Modern Siberian dog ancestry was shaped by several thousand years of Eurasian-wide trade and human dispersal. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
42	Synchronous diversification of Sulawesi's iconic artiodactyls driven by recent geological events. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172566.	2.6	17
43	ABLE: blockwise site frequency spectra for inferring complex population histories and recombination. Genome Biology, 2018, 19, 145.	8.8	16
44	Population genomic, olfactory, dietary, and gut microbiota analyses demonstrate the unique evolutionary trajectory of feral pigs. Molecular Ecology, 2022, 31, 220-237.	3.9	16
45	Paleogenomics of Animal Domestication. Population Genomics, 2018, , 225-272.	0.5	14
46	A mitochondrial genetic divergence proxy predicts the reproductive compatibility of mammalian hybrids. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200690.	2.6	14
47	Uncovering the enigmatic evolution of bears in greater depth: The hybrid origin of the Asiatic black bear. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	13
48	Hostâ€plant genotypic diversity and community genetic interactions mediate aphid spatial distribution. Ecology and Evolution, 2014, 4, 121-131.	1.9	12
49	Pleistocene origins, western ghost lineages, and the emerging phylogeographic history of the red wolf and coyote. Molecular Ecology, 2021, 30, 4292-4304.	3.9	11
50	Evolution of Tibetan wild boars. Nature Genetics, 2015, 47, 188-189.	21.4	10
51	Analysis of the genetic variation in mitochondrial DNA, Y-chromosome sequences, and MC1R sheds light on the ancestry of Nigerian indigenous pigs. Genetics Selection Evolution, 2017, 49, 52.	3.0	8
52	Kouprey (Bos sauveli) genomes unveil polytomic origin of wild Asian Bos. IScience, 2021, 24, 103226.	4.1	8
53	The genetics of indirect ecological effectsÃ¢â‚¬â€plant parasites and aphid herbivores. Frontiers in Genetics, 2014, 5, 72.	2.3	2