

# Denis LaloÃ«

## List of Publications by Year in descending order

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77  
papers

3,966  
citations

186265

28  
h-index

133252

59  
g-index

81  
all docs

81  
docs citations

81  
times ranked

6157  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive evaluation of normalization methods for Illumina high-throughput RNA sequencing data analysis. <i>Briefings in Bioinformatics</i> , 2013, 14, 671-683.	6.5	1,064
2	Maximizing the Reliability of Genomic Selection by Optimizing the Calibration Set of Reference Individuals: Comparison of Methods in Two Diverse Groups of Maize Inbreds ( <i>Zea mays</i> L.). <i>Genetics</i> , 2012, 192, 715-728.	2.9	258
3	A whole genome Bayesian scan for adaptive genetic divergence in West African cattle. <i>BMC Genomics</i> , 2009, 10, 550.	2.8	186
4	Pangenomic Classification of Pituitary Neuroendocrine Tumors. <i>Cancer Cell</i> , 2020, 37, 123-134.e5.	16.8	186
5	Insights into the Genetic History of French Cattle from Dense SNP Data on 47 Worldwide Breeds. <i>PLoS ONE</i> , 2010, 5, e13038.	2.5	167
6	Genetic diversity measures of local European beef cattle breeds for conservation purposes. <i>Genetics Selection Evolution</i> , 2001, 33, 311-32.	3.0	146
7	Molecular fingerprinting of the podocyte reveals novel gene and protein regulatory networks. <i>Kidney International</i> , 2013, 83, 1052-1064.	5.2	130
8	Analysis of genetic relationships between 10 cattle breeds with 17 microsatellites. <i>Animal Genetics</i> , 1997, 28, 338-345.	1.7	86
9	Immunity Traits in Pigs: Substantial Genetic Variation and Limited Covariation. <i>PLoS ONE</i> , 2011, 6, e22717.	2.5	86
10	Genetic Characterization of Southwestern European Bovine Breeds: A Historical and Biogeographical Reassessment With a Set of 16 Microsatellites. , 2003, 94, 243-250.		78
11	Precision and information in linear models of genetic evaluation. <i>Genetics Selection Evolution</i> , 1993, 25, 1.	3.0	76
12	Out of America: tracing the genetic footprints of the global diffusion of maize. <i>Theoretical and Applied Genetics</i> , 2013, 126, 2671-2682.	3.6	72
13	Using molecular markers and multivariate methods to study the genetic diversity of local European and Asian chicken breeds. <i>Animal Genetics</i> , 2008, 39, 121-129.	1.7	65
14	Contribution of mammary epithelial cells to the immune response during early stages of a bacterial infection to <i>Staphylococcus aureus</i> . <i>Veterinary Research</i> , 2014, 45, 16.	3.0	65
15	Genetic parameters for birth and weaning traits in French specialized beef cattle breeds. <i>Livestock Science</i> , 2004, 89, 121-128.	1.2	61
16	Characterisation and Comparison of Lactating Mouse and Bovine Mammary Gland miRNomes. <i>PLoS ONE</i> , 2014, 9, e91938.	2.5	61
17	The impact of genomic selection on genetic diversity and genetic gain in three French dairy cattle breeds. <i>Genetics Selection Evolution</i> , 2019, 51, 52.	3.0	61
18	Microsatellite-based phylogeny of Indian domestic goats. <i>BMC Genomics</i> , 2008, 9, 11.	2.7	58

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19	WIDDE: a Web-Interfaced next generation database for genetic diversity exploration, with a first application in cattle. <i>BMC Genomics</i> , 2015, 16, 940.	2.8	56
20	Overexpression of miR-30b in the Developing Mouse Mammary Gland Causes a Lactation Defect and Delays Involution. <i>PLoS ONE</i> , 2012, 7, e45727.	2.5	55
21	Evaluation models and genetic parameters for calving difficulty in beef cattle. <i>Journal of Animal Science</i> , 2003, 81, 933-938.	0.5	50
22	Genetic structure of eighteen local south European beef cattle breeds by comparative F-statistics analysis. <i>Journal of Animal Breeding and Genetics</i> , 2003, 120, 73-87.	2.0	46
23	A genomic map of climate adaptation in Mediterranean cattle breeds. <i>Molecular Ecology</i> , 2019, 28, 1009-1029.	3.9	46
24	DNA Methylation and Transcription in a Distal Region Upstream from the Bovine AlphaS1 Casein Gene after Once or Twice Daily Milking. <i>PLoS ONE</i> , 2014, 9, e111556.	2.5	39
25	Considerations on measures of precision and connectedness in mixed linear models of genetic evaluation. <i>Genetics Selection Evolution</i> , 1996, 28, 1.	3.0	38
26	Chondrocytes Play a Major Role in the Stimulation of Bone Growth by Thyroid Hormone. <i>Endocrinology</i> , 2014, 155, 3123-3135.	2.8	34
27	Next-generation sequencing identifies equine cartilage and subchondral bone miRNAs and suggests their involvement in osteochondrosis physiopathology. <i>BMC Genomics</i> , 2014, 15, 798.	2.8	31
28	Stable Methylation at Promoters Distinguishes Epiblast Stem Cells from Embryonic Stem Cells and the In Vivo Epiblasts. <i>Stem Cells and Development</i> , 2014, 23, 2014-2029.	2.1	31
29	Food Deprivation Affects the miRNome in the Lactating Goat Mammary Gland. <i>PLoS ONE</i> , 2015, 10, e0140111.	2.5	31
30	Is a Multivariate Consensus Representation of Genetic Relationships Among Populations Always Meaningful?. <i>Genetics</i> , 2002, 162, 473-484.	2.9	30
31	Caractérisation de la race bovine Sombaïde de marqueurs moléculaires. <i>Revue D'Elevage Et De Médecine Veterinaire Des Pays Tropicaux</i> , 2001, 54, 129.	0.5	28
32	Epithelial response to a high-protein diet in rat colon. <i>BMC Genomics</i> , 2017, 18, 116.	2.8	27
33	Genomics for Ruminants in Developing Countries: From Principles to Practice. <i>Frontiers in Genetics</i> , 2018, 9, 251.	2.3	25
34	Genetic structure of the European Charolais and Limousin cattle metapopulations using pedigree analyses. <i>Journal of Animal Science</i> , 2011, 89, 1719-1730.	0.5	23
35	Spatial Trends of Genetic Variation of Domestic Ruminants in Europe. <i>Diversity</i> , 2010, 2, 932-945.	1.7	22
36	A molecular analysis of the patterns of genetic diversity in local chickens from western Algeria in comparison with commercial lines and wild jungle fowls. <i>Journal of Animal Breeding and Genetics</i> , 2016, 133, 59-70.	2.0	21

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37	Assessment of trade-offs between feed efficiency, growth-related traits, and immune activity in experimental lines of layer chickens. <i>Genetics Selection Evolution</i> , 2021, 53, 44.	3.0	21
38	Sunflower oil supplementation affects the expression of miR-20a-5p and miR-142-5p in the lactating bovine mammary gland. <i>PLoS ONE</i> , 2017, 12, e0185511.	2.5	20
39	A proposal of criteria of robustness analysis in genetic evaluation. <i>Livestock Science</i> , 2003, 80, 241-256.	1.2	18
40	Consensus genetic structuring and typological value of markers using multiple co-inertia analysis. <i>Genetics Selection Evolution</i> , 2007, 39, 545.	3.0	18
41	Which Individuals To Choose To Update the Reference Population? Minimizing the Loss of Genetic Diversity in Animal Genomic Selection Programs. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 113-121.	1.8	18
42	Characterization of Holstein and Normande whole milk miRNomes highlights breed specificities. <i>Scientific Reports</i> , 2019, 9, 20345.	3.3	18
43	Use of structured antedependence models for the genetic analysis of growth curves <sup>1</sup> . <i>Journal of Animal Science</i> , 2004, 82, 3465-3473.	0.5	17
44	Revealing fine scale subpopulation structure in the Vietnamese H'mong cattle breed for conservation purposes. <i>BMC Genetics</i> , 2010, 11, 45.	2.7	17
45	Genetic and transcriptomic analyses provide new insights on the early antiviral response to VHSV in resistant and susceptible rainbow trout. <i>BMC Genomics</i> , 2018, 19, 482.	2.8	17
46	Should genetic groups be fitted in BLUP evaluation? Practical answer for the French AI beef sire evaluation. <i>Genetics Selection Evolution</i> , 2004, 36, 325-45.	3.0	16
47	Domestic Fowl Breed Variation in Egg White Protein Expression: Application of Proteomics and Transcriptomics. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 11854-11863.	5.2	16
48	Impact of strong selection for the PrP major gene on genetic variability of four French sheep breeds (Open Access publication). <i>Genetics Selection Evolution</i> , 2008, 40, 663-680.	3.0	16
49	Estimation of genetic parameters of preweaning performance in the French Limousin cattle breed. <i>Genetics Selection Evolution</i> , 1993, 25, 1.	3.0	14
50	Fine-tuned adaptation of embryo-endometrium pairs at implantation revealed by transcriptome analyses in <i>Bos taurus</i> . <i>PLoS Biology</i> , 2019, 17, e3000046.	5.6	14
51	Characterization of Casein Gene Complex and Genetic Diversity Analysis in Indian Goats. <i>Animal Biotechnology</i> , 2010, 21, 122-134.	1.5	13
52	Molecular signatures of muscle growth and composition deciphered by the meta-analysis of age-related public transcriptomics data. <i>Physiological Genomics</i> , 2020, 52, 322-332.	2.3	13
53	Measuring connectedness among herds in mixed linear models: From theory to practice in large-sized genetic evaluations. <i>Genetics Selection Evolution</i> , 2008, 40, 145-159.	3.0	13
54	A sampling method for estimating the accuracy of predicted breeding values in genetic evaluation. <i>Genetics Selection Evolution</i> , 2001, 33, 473-86.	3.0	12

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55	Comparison of sow farrowing characteristics between a Chinese breed and three French breeds. <i>Livestock Science</i> , 2009, 125, 132-140.	1.6	12
56	Genetic and morphometric characterization of a local Vietnamese Swamp Buffalo population. <i>Journal of Animal Breeding and Genetics</i> , 2010, 127, 74-84.	2.0	12
57	Measuring connectedness among herds in mixed linear models: From theory to practice in large-sized genetic evaluations. <i>Genetics Selection Evolution</i> , 2008, 40, 145.	3.0	11
58	Detection of new pathways involved in the acceptance and the utilisation of a plant-based diet in isogenic lines of rainbow trout fry. <i>PLoS ONE</i> , 2018, 13, e0201462.	2.5	11
59	Genetic diversity and relationships among six local cattle populations in semi-arid areas assessed by a bovine medium-density single nucleotide polymorphism data. <i>Animal</i> , 2019, 13, 8-14.	3.3	11
60	The Prion-like protein Shadoo is involved in mouse embryonic and mammary development and differentiation. <i>Scientific Reports</i> , 2020, 10, 6765.	3.3	10
61	Etude du statut phylogénétique du bovin Kouri du lac Tchad à l'aide de marqueurs moléculaires. <i>Revue D'Elevage Et De Medecine Veterinaire Des Pays Tropicaux</i> , 1999, 52, 155-162.	0.5	9
62	Milk from dams fed an obesogenic diet combined with a high-fat/high-sugar diet induces long-term abnormal mammary gland development in the rabbit. <i>Journal of Animal Science</i> , 2015, 93, 1641-1655.	0.5	8
63	Genetic improvement of canine hip dysplasia through sire selection across countries. <i>Veterinary Journal</i> , 2019, 248, 18-24.	1.7	7
64	Relations génétiques entre populations de taurins ou zébus d'Afrique de l'Ouest et taurins européens. <i>Genetics Selection Evolution</i> , 1998, 30, 1.	3.0	5
65	Breeding policies and management of pedigree dogs in 15 national kennel clubs. <i>Veterinary Journal</i> , 2018, 234, 130-135.	1.7	5
66	A unified framework for the integration of multiple hierarchical clusterings or networks from multi-source data. <i>BMC Bioinformatics</i> , 2021, 22, 392.	2.6	5
67	Impact of strong selection for the PrP major gene on genetic variability of four French sheep breeds (Open Access publication). <i>Genetics Selection Evolution</i> , 2008, 40, 663-80.	3.0	4
68	Trends of the genetic connectedness measures among Nelore beef cattle herds. <i>Journal of Animal Breeding and Genetics</i> , 2012, 129, 20-29.	2.0	4
69	Differences during the first lactation between cows cloned by somatic cell nuclear transfer and noncloned cows. <i>Journal of Dairy Science</i> , 2016, 99, 4778-4794.	3.4	4
70	Different pre-implantation phenotypes of bovine blastocysts produced in vitro. <i>Reproduction</i> , 2019, 157, 163-178.	2.6	4
71	Individualized multi-omic pathway deviation scores using multiple factor analysis. <i>Biostatistics</i> , 2020, , ,	1.5	3
72	Consensus genetic structuring and typological value of markers using multiple co-inertia analysis. <i>Genetics Selection Evolution</i> , 2007, 39, 545-567.	3.0	3

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73	Landscape and bioclimatic diversity of milk protein variability in tropical goats. <i>Small Ruminant Research</i> , 2022, 207, 106614.	1.2	3
74	PiQSARS: A pipeline for quantitative and statistical analyses of ratiometric fluorescent biosensors. <i>MethodsX</i> , 2020, 7, 101034.	1.6	2
75	Intensified Use of Reproductive Technologies and Reduced Dimensions of Breeding Schemes Put Genetic Diversity at Risk in Dairy Cattle Breeds. <i>Animals</i> , 2020, 10, 1903.	2.3	2
76	Potential genetic robustness of Prnp and Sprn double knockout mouse embryos towards ShRNA-lentiviral inoculation. <i>Veterinary Research</i> , 2022, 53, .	3.0	1
77	Use of relationship matrix in the evaluation of natural service Limousin bulls. <i>Genetics Selection Evolution</i> , 1992, 24, 1.	3.0	0