Catherine Larzul

List of Publications by Year
in descending order

58 papers	2,864 citations	279701 23 h-index	168321 53 g-index
61 all docs	61 docs citations	61 times ranked	3279 citing authors

#	Article	IF	Citations
1	A mutation creating a potential illegitimate microRNA target site in the myostatin gene affects muscularity in sheep. Nature Genetics, 2006, 38, 813-818.	9.4	1,125
2	Phenotypic and genetic parameters for longissimus muscle fiber characteristics in relation to growth, carcass, and meat quality traits in large white pigs.. Journal of Animal Science, 1997, 75, 3126.	0.2	266
3	Proteome Analysis of the Sarcoplasmic Fraction of PigSemimembranosusMuscle:Â Implications on Meat Color Development. Journal of Agricultural and Food Chemistry, 2006, 54, 2732-2737.	2.4	177
4	Effects of Intramuscular Fat Levels on Sensory Characteristics of Duck Breast Meat. Poultry Science, 2006, 85, 914-922.	1.5	102
5	Comparison of Sarcoplasmic Proteomes between Two Groups of Pig Muscles Selected for Shear Force of Cooked Meat. Journal of Agricultural and Food Chemistry, 2007, 55, 5834-5841.	2.4	68
6	Effects of the halothane genotype and slaughter weight on texture of pork.. Journal of Animal Science, 1999, 77, 408.	0.2	66
7	Results of four generations of a canalising selection for rabbit birth weight. Livestock Science, 2008, 119, 55-62.	0.6	59
8	Identification of QTL with effects on intramuscular fat content and fatty acid composition in a Duroc Ã— Large White cross. BMC Genetics, 2007, 8, 55.	2.7	58
9	Direct and correlated responses to selection in two lines of rabbits selected for feed efficiency under ad libitum and restricted feeding: I. Production traits and gut microbiota characteristics1. Journal of Animal Science, 2016, 94, 38-48.	0.2	50
10	Carcass composition, bone mechanical properties, and meat quality traits in relation to growth rate in rabbits1. Journal of Animal Science, 2005, 83, 1526-1535.	0.2	45
11	Genetic parameters for two selection criteria for feed efficiency in rabbits1. Journal of Animal Science, 2013, 91, 3121-3128.	0.2	44
12	Review: Towards the agroecological management of ruminants, pigs and poultry through the development of sustainable breeding programmes: I-selection goals and criteria. Animal, 2016, 10, 1749-1759.	1.3	42
13	Efficiency of genomic selection in a purebred pig male line. Journal of Animal Science, 2012, 90, 4164-4176.	0.2	39
14	Divergent selection on 63-day body weight in the rabbit: response on growth, carcass and muscle traits. Genetics Selection Evolution, 2005, 37, 105-22.	1.2	38
15	Relationships between sensory and physicochemical measurements in meat of rabbit from three different breeding systems using canonical correlation analysis. Meat Science, 2008, 80, 835-841.	2.7	33
16	Genetics and selection of mule ducks in France: a review. World's Poultry Science Journal, 2008, 64, 187-208.	1.4	32
17	Pedigree and genomic evaluation of pigs using a terminal-cross model. Genetics Selection Evolution, 2016, 48, 32.	1.2	32
18	Omics Application in Animal Scienceâ€"A Special Emphasis on Stress Response and Damaging Behaviour in Pigs. Genes, 2020, 11, 920.	1.0	31

#	Article	IF	Citations
19	Review: Towards the agroecological management of ruminants, pigs and poultry through the development of sustainable breeding programmes. II. Breeding strategies. Animal, 2016, 10, 1760-1769.	1.3	30
20	Genetic and metabolic aspects of androstenone and skatole deposition in pig adipose tissue: A review. Genetics Selection Evolution, 2008, 40, 581-582.	1.2	30
21	Meta-analysis of the effect of the halothane gene on 6 variables of pig meat quality and on carcass leanness1. Journal of Animal Science, 2010, 88, 2841-2855.	0.2	27
22	Selection for residual feed consumption in the rabbit. Livestock Science, 2005, 95, 67-72.	1.2	26
23	A first-generation microsatellite-based integrated genetic and cytogenetic map for the European rabbit (Oryctolagus cuniculus) and localization of angora and albino. Animal Genetics, 2006, 37, 335-341.	0.6	25
24	The cortisol response to ACTH in pigs, heritability and influence of corticosteroid-binding globulin. Animal, 2015, 9, 1929-1934.	1.3	24
25	Meta-analysis of the effects of dietary vitamin E supplementation on Î±-tocopherol concentration and lipid oxidation in pork. Meat Science, 2011, 87, 305-314.	2.7	23
26	Bayesian meta-analysis of the effect of fasting, transport and lairage times on four attributes of pork meat quality. Meat Science, 2012, 90, 584-598.	2.7	22
27	Meat quality in an intergeneric factorial crossbreeding between muscovy (Cairina moschata) and Pekin (Anas platyrhynchos) ducks. Animal Research, 2006, 55, 219-229.	0.6	21
28	Survival analysis in two lines of rabbits selected for reproductive traits1. Journal of Animal Science, 2006, 84, 1658-1665.	0.2	20
29	Genetic and metabolic aspects of androstenone and skatole deposition in pig adipose tissue: A review (Open Access publication). Genetics Selection Evolution, 2008, 40, 129-43.	1.2	20
30	Time course of the response to ACTH in pig: biological and transcriptomic study. BMC Genomics, 2015, 16, 961.	1.2	20
31	Inheritance of reproductive traits of female common ducks (Anas platyrhynchos) in pure breeding and in inter-generic crossbreeding with muscovy ducks (Cairina moschata). British Poultry Science, 2003, 44, 40-45.	0.8	19
32	Genetic relationships between measures of sexual development, boar taint, health, and aggressiveness in pigs1. Journal of Animal Science, 2015, 93, 3749-3758.	0.2	19
33	Economic aspects of implementing genomic evaluations in a pig sire line breeding scheme. Genetics Selection Evolution, 2013, 45, 40.	1.2	18
34	Comparison of ten rabbit lines of terminal bucks for growth, feed efficiency and carcass traits. Animal Research, 2004, 53, 535-545.	0.6	17
35	Effects of divergent selection for body weight at a fixed age on histological, chemical and rheological characteristics of rabbit muscles. Livestock Science, 2002, 76, 81-89.	1.2	16
36	Semen production in two rabbit lines divergently selected for 63-d body weight. Theriogenology, 2006, 66, 2165-2172.	0.9	14

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37	Estimation of genetic parameters for growth, carcass and overfeeding traits in a white geese strain. Genetics Selection Evolution, 2000, 32, 415-27.	1.2	13
38	How to Improve Meat Quality and Welfare in Entire Male Pigs by Genetics. Animals, 2021, 11, 699.	1.0	13
39	Genetic and metabolic aspects of androstenone and skatole deposition in pig adipose tissue: A review(Open Access publication). Genetics Selection Evolution, 2008, 40, 129-143.	1.2	13
40	Expression levels of 25 genes in liver and testis located in a QTL region for androstenone on SSC7q1.2. Animal Genetics, 2011, 42, 662-665.	0.6	12
41	Associations between the dominance status and sexual development, skin lesions or feeding behaviour of intact male pigs. Applied Animal Behaviour Science, 2017, 187, 15-22.	0.8	12
42	The length of productive life can be modified through selection: An experimental demonstration in the rabbit1. Journal of Animal Science, 2014, 92, 2395-2401.	0.2	11
43	Prospects for the Analysis and Reduction of Damaging Behaviour in Group-Housed Livestock, With Application to Pig Breeding. Frontiers in Genetics, 2020, 11, 611073.	1.1	11
44	Behavioural and physiological fear responses in ducks: genetic cross effects. Animal, 2008, 2, 1518-1525.	1.3	10
45	Microsatellite mapping of quantitative trait loci affecting meat quality, stress hormones and production traits in Duroc Â— Large White F2 pigs. Animal, 2011, 5, 167-174.	1.3	9
46	Effect of feed restriction on rabbit meat quality of the Rex du PoitouÂ®. Meat Science, 2004, 67, 479-484.	2.7	8
47	Direct and correlated responses to selection in two lines of rabbits selected for feed efficiency under ad libitum and restricted feeding: II. Carcass and meat quality1. Journal of Animal Science, 2016, 94, 49-57.	0.2	7
48	Odeurs indÃ©sirables de la viande de porcs mÃ¢les non castrÃ©s : problÃ¨mes et solutions potentielles. INRA Productions Animales, 2018, 31, 23-36.	0.3	7
49	New investigations around CYP11A1 and its possible involvement in an androstenone QTL characterised in Large White pigs. Genetics Selection Evolution, 2011, 43, 15.	1.2	6
50	Estimates of genetic parameters for content of boar taint compounds in adipose tissue of intact males at 160 and 220 days of age1. Journal of Animal Science, 2015, 93, 4267-4276.	0.2	6
51	Energy balance and body reserves in rabbit females selected for longevity. World Rabbit Science, 2017, 25, 205.	0.1	6
52	Ability of physicoâ€chemical measureâ€ments to discriminate rabbit meat from three different productive processes. Journal of the Science of Food and Agriculture, 2007, 87, 2302-2309.	1.7	5
53	Molecular characterization of the porcine TEAD3 (TEFâ€5) gene: examination of a promoter mutation as the causal mutation of a quantitative trait loci affecting the androstenone level in boar fat. Journal of Animal Breeding and Genetics, 2012, 129, 325-335.	0.8	5
54	Selection for reduced muscle glycolytic potential in Large White pigs. III. Correlated responses in growth rate, carcass composition and reproductive traits. Genetics Selection Evolution, 1999, 31, 1.	1.2	3

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55	Correlation Networks Provide New Insights into the Architecture of Testicular Steroid Pathways in Pigs. Genes, 2021, 12, 551.	1.0	3
56	2003 Spring meeting of the WPSA French Branch. British Poultry Science, 2003, 44, 794-795.	0.8	3
57	Genic and non-genic SNP contributions to additive and dominance genetic effects in purebred and crossbred pig traits. Scientific Reports, 2022, 12, 3795.	1.6	1
58	1738 Prediction of the concentration of androstenone in backfat from boar carcasses using indicators of sexual development. Journal of Animal Science, 2016, 94, 847-847.	0.2	0