Joan Estany

List of Publications by Year in descending order

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81 papers	2,267 citations	172386 29 h-index	243529 44 g-index
84 all docs	84 docs citations	84 times ranked	1800 citing authors

#	Article	IF	Citations
1	Transcriptome shifts triggered by vitamin A and SCD genotype interaction in Duroc pigs. BMC Genomics, 2022, 23, 16.	1.2	2
2	A genome-wide screen for resilient responses in growing pigs. Genetics Selection Evolution, 2022, 54, .	1.2	2
3	Leptin receptor and fatty acid desaturase-2 gene variants affect fat, color and production profile of dry-cured hams. Meat Science, 2021, 173, 108399.	2.7	4
4	Semen quality of Colombian Creole as compared to commercial pig breeds. Tropical Animal Health and Production, 2021, 53, 129.	0.5	2
5	Antagonistic maternal and direct effects of the leptin receptor gene on body weight in pigs. PLoS ONE, 2021, 16, e0246198.	1.1	11
6	Circulating Non-Esterified Fatty Acids as Biomarkers for Fat Content and Composition in Pigs. Animals, 2021, 11, 386.	1.0	6
7	Using PRRSV-Resilient Sows Improve Performance in Endemic Infected Farms with Recurrent Outbreaks. Animals, 2021, 11, 740.	1.0	1
8	A sequence variant in the diacylglycerol O-acyltransferase 2 gene influences palmitoleic acid content in pig muscle. Scientific Reports, 2021, 11, 14797.	1.6	5
9	A Methodology to Quantify Resilience in Growing Pigs. Animals, 2021, 11, 2970.	1.0	4
10	The effect of the SCD genotype on litter size and weight at weaning. Livestock Science, 2021, 254, 104763.	0.6	3
11	Resilience Effects of SGK1 and TAP1 DNA Markers during PRRSV Outbreaks in Reproductive Sows. Animals, 2020, 10, 902.	1.0	7
12	A probabilistic Poisson-based model to detect PRRSV recirculation using sow production records. Preventive Veterinary Medicine, 2020, 177, 104948.	0.7	3
13	Genetic Markers Associated with Field PRRSV-Induced Abortion Rates. Viruses, 2019, 11, 706.	1.5	9
14	Modulatory Effect of Protein and Carotene Dietary Levels on Pig gut Microbiota. Scientific Reports, 2019, 9, 14582.	1.6	18
15	Identification of resilient sows in porcine reproductive and respiratory syndrome virusâ€“infected farms1. Journal of Animal Science, 2019, 97, 3228-3236.	0.2	14
16	Linoleic acid metabolic pathway allows for an efficient increase of intramuscular fat content in pigs. Journal of Animal Science and Biotechnology, 2019, 10, 33.	2.1	14
17	Association study highlights the influence of ELOVL fatty acid elongase 6 gene region on backfat fatty acid composition in Large White pig breed. Animal, 2018, 12, 2443-2452.	1.3	15
18	High-carotenoid maize: development of plant biotechnology prototypes for human and animal health and nutrition. Phytochemistry Reviews, 2018, 17, 195-209.	3.1	24

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19	A polymorphism in the fatty acid desaturase-2 gene is associated with the arachidonic acid metabolism in pigs. Scientific Reports, 2018, 8, 14336.	1.6	55
20	Carcass lean-yield effects on the fatty acid and amino acid composition of Duroc pork and its technological quality after vacuum-aging. Animal Production Science, 2018, 58, 2335.	0.6	3
21	TRIENNIAL GROWTH AND DEVELOPMENT SYMPOSIUM: Genetics and breeding for intramuscular fat and oleic acid content in pigs1. Journal of Animal Science, 2017, 95, 2261-2271.	0.2	16
22	Carotenoid intake and SCD genotype exert complementary effects over fat content and fatty acid composition in Duroc pigs1. Journal of Animal Science, 2017, 95, 2547-2557.	0.2	5
23	TRIENNIAL GROWTH AND DEVELOPMENT SYMPOSIUM: Genetics and breeding for intramuscular fat and oleic acid content in pigs. Journal of Animal Science, 2017, 95, 2261.	0.2	8
24	Carotenoid intake and genotype exert complementary effects over fat content and fatty acid composition in Duroc pigs. Journal of Animal Science, 2017, 95, 2547.	0.2	3
25	Genetic Marker Discovery in Complex Traits: A Field Example on Fat Content and Composition in Pigs. International Journal of Molecular Sciences, 2016, 17, 2100.	1.8	37
26	Genome-Wide Association Study Singles Out SCD and LEPR as the Two Main Loci Influencing Intramuscular Fat Content and Fatty Acid Composition in Duroc Pigs. PLoS ONE, 2016, 11, e0152496.	1.1	83
27	P5030 Dietary carotenoid levels and stearoyl-coA haplotype exert a complementary action over fat content and composition in pig. Journal of Animal Science, 2016, 94, 130-130.	0.2	0
28	The effect of SCD and LEPR genetic polymorphisms on fat content and composition is maintained throughout fattening in Duroc pigs. Meat Science, 2016, 121, 33-39.	2.7	18
29	Relationship between perilipin genes polymorphisms and growth, carcass and meat quality traits in pigs. Journal of Animal Breeding and Genetics, 2016, 133, 24-30.	0.8	15
30	A WUR SNP is associated with European Porcine Reproductive and Respiratory Virus Syndrome resistance and growth performance in pigs. Research in Veterinary Science, 2016, 104, 117-122.	0.9	25
31	Identification of signatures of selection for intramuscular fat and backfat thickness in two Duroc populations1. Journal of Animal Science, 2015, 93, 3292-3302.	0.2	28
32	Expression profiling of the <scp>GBP</scp>1 gene as a candidate gene for porcine reproductive and respiratory syndrome resistance. Animal Genetics, 2015, 46, 599-606.	0.6	14
33	Investigating reference genes for quantitative real-time PCR analysis across four chicken tissues. Gene, 2015, 561, 82-87.	1.0	50
34	A polymorphism in the stearoyl-CoA desaturase gene promoter increases monounsaturated fatty acid content in dry-cured ham. Meat Science, 2015, 106, 38-43.	2.7	17
35	A polymorphism in the stearoyl-CoA desaturase gene promoter influences monounsaturated fatty acid content of Duroc Ã— Iberian hams. Spanish Journal of Agricultural Research, 2015, 13, e0404.	0.3	1
36	A Functional Variant in the Stearoyl-CoA Desaturase Gene Promoter Enhances Fatty Acid Desaturation in Pork. PLoS ONE, 2014, 9, e86177.	1.1	53

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37	Genetic correlations of intramuscular fat content and fatty acid composition among muscles and with subcutaneous fat in Duroc pigs1. Journal of Animal Science, 2014, 92, 5417-5425.	0.2	38
38	On the Compositional Analysis of Fatty Acids in Pork. Journal of Agricultural, Biological, and Environmental Statistics, 2014, 19, 136-155.	0.7	30
39	Hepatic lipogenic enzyme expression in pigs is affected by selection for decreased backfat thickness at constant intramuscular fat content. Meat Science, 2013, 93, 746-751.	2.7	11
40	Response to selection for decreased backfat thickness at restrained intramuscular fat content in Duroc pigs1. Journal of Animal Science, 2013, 91, 3514-3521.	0.2	15
41	A field assessment of the effect of pre-slaughter conditions and genetic-stress susceptibility on blood welfare indicators in pigs. Animal Welfare, 2012, 21, 517-526.	0.3	6
42	Relationship between blood lipid indicators and fat content and composition in Duroc pigs. Livestock Science, 2012, 148, 95-102.	0.6	15
43	Age-related changes in intramuscular and subcutaneous fat content and fatty acid composition in growing pigs using longitudinal data. Meat Science, 2012, 91, 358-363.	2.7	53
44	Expected genetic response for oleic acid content in pork1. Journal of Animal Science, 2012, 90, 4230-4238.	0.2	24
45	Fast determination of oleic acid in pork by flow injection analysis/mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 1082-1088.	0.7	5
46	Technical note: Efficient protocol for isolation of total ribonucleic acid from lyophilized fat and muscle pig samples1. Journal of Animal Science, 2010, 88, 442-445.	0.2	6
47	Acetyl-CoA carboxylase and stearoyl-CoA desaturase protein expression in subcutaneous adipose tissue is reduced in pigs selected for decreased backfat thickness at constant intramuscular fat content1. Journal of Animal Science, 2009, 87, 3905-3914.	0.2	40
48	An age-dependent association between a leptin C3469T single nucleotide polymorphism and intramuscular fat content in pigs. Livestock Science, 2009, 121, 335-338.	0.6	6
49	Genetic correlations and expected response for intramuscular fat content in a Duroc pig line. Livestock Science, 2009, 123, 63-69.	0.6	31
50	Risk assessment of skin damage due to pre-slaughter conditions and RYR1 gene in pigs. Meat Science, 2009, 81, 745-751.	2.7	62
51	Estimating intramuscular fat content and fatty acid composition in live and post-mortem samples in pigs. Meat Science, 2009, 82, 432-437.	2.7	30
52	Plasma leptin levels in pigs with different leptin and leptin receptor genotypes. Journal of Animal Breeding and Genetics, 2008, 125, 228-233.	0.8	13
53	Association of CA repeat polymorphism at intron 1 of insulin-like growth factor (IGF-I) gene with circulating IGF-I concentration, growth, and fatness in swine. Physiological Genomics, 2007, 31, 236-243.	1.0	40
54	Stochastic simulation of mountain beef cattle systems. Agricultural Systems, 2006, 89, 414-434.	3.2	16

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55	Does vagal nerve stimulation affect body composition and metabolism? Experimental study of a new potential technique in bariatric surgery. Surgery, 2006, 139, 209-216.	1.0	50
56	Risk assessment of DFD meat due to pre-slaughter conditions in pigs. Meat Science, 2005, 70, 709-716.	2.7	83
57	Comparison of fatty acid profiles of edible meat, adipose tissues and muscles between cocks and capons. Animal Research, 2005, 54, 413-424.	0.6	36
58	Risk assessment of PSE condition due to pre-slaughter conditions and RYR1 gene in pigs. Meat Science, 2004, 67, 471-478.	2.7	96
59	Estrogen receptor polymorphism in Landrace pigs and its association with litter size performance. Livestock Science, 2003, 82, 53-59.	1.2	39
60	Fixed or random contemporary groups in genetic evaluation for litter size in pigs using a single trait repeatability animal model. Journal of Animal Breeding and Genetics, 2003, 120, 12-22.	0.8	16
61	Identification of three single nucleotide polymorphisms in the chicken insulin-like growth factor 1 and 2 genes and their associations with growth and feeding traits. Poultry Science, 2003, 82, 1485-1493.	1.5	109
62	Comparison of carcass composition by parts and tissues between cocks and capons. Animal Research, 2002, 51, 421-431.	0.6	51
63	Multivariate analysis of litter size for multiple parities with production traits in pigs: I. Bayesian variance component estimation1. Journal of Animal Science, 2002, 80, 2540-2547.	0.2	41
64	Multivariate analysis of litter size for multiple parities with production traits in pigs: II. Response to selection for litter size and correlated response to production traits1. Journal of Animal Science, 2002, 80, 2548-2555.	0.2	22
65	Correlated response to selection for litter size in pigs: I. Growth, fat deposition, and feeding behavior traits1. Journal of Animal Science, 2002, 80, 2556-2565.	0.2	17
66	Correlated response to selection for litter size in pigs: II. Carcass, meat, and fat quality traits1. Journal of Animal Science, 2002, 80, 2566-2573.	0.2	15
67	Multivariate analysis of litter size for multiple parities with production traits in pigs: I. Bayesian variance component estimation. Journal of Animal Science, 2002, 80, 2540.	0.2	52
68	Multivariate analysis of litter size for multiple parities with production traits in pigs: II. Response to selection for litter size and correlated response to production traits. Journal of Animal Science, 2002, 80, 2548.	0.2	29
69	Correlated response to selection for litter size in pigs: I. Growth, fat deposition, and feeding behavior traits. Journal of Animal Science, 2002, 80, 2556.	0.2	19
70	Correlated response to selection for litter size in pigs: II. Carcass, meat, and fat quality traits. Journal of Animal Science, 2002, 80, 2566.	0.2	11
71	A within-breed comparison of RYR1 pig genotypes for performance, feeding behaviour, and carcass, meat and fat quality traits. Journal of Animal Breeding and Genetics, 2001, 118, 417-427.	0.8	14
72	Preweaning growth curves in Brown Swiss and Pirenaica calves with emphasis on individual variability.. Journal of Animal Science, 2000, 78, 1132.	0.2	33

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73	A QTL on pig chromosome 4 affects fatty acid metabolism: evidence from an Iberian by Landrace intercross.. Journal of Animal Science, 2000, 78, 2525.	0.2	122
74	An expression of mixed animal model equations to account for different means and variances in the base population. Genetics Selection Evolution, 1999, 31, 1.	1.2	9
75	Genetic parameters for egg number, egg weight, and eggshell color in three Catalan poultry breeds. Poultry Science, 1997, 76, 1627-1631.	1.5	47
76	Estimates of genetic parameters for litter size at different parities in pigs. Livestock Science, 1997, 47, 149-156.	1.2	32
77	Estimation of genetic parameters for litter size in Danish Landrace and Yorkshire pigs. Animal Science, 1995, 60, 315-324.	1.3	27
78	Comparison of five types of pig crosses. I. growth and carcass traits. Livestock Science, 1994, 40, 171-178.	1.2	31
79	Selection response of growth rate in rabbits for meat production. Genetics Selection Evolution, 1992, 24, 1.	1.2	118
80	Mixed model methodology for the estimation of genetic response to selection in litter size of rabbits. Livestock Science, 1989, 21, 67-75.	1.2	115
81	Prediction of rabbit meat and bone weight using carcass measurements and sample cuts. Animal Research, 1984, 33, 161-170.	0.6	16