Agustin Blasco

List of Publications by Citations

128 papers	2,272 citations	28 h-index	40 g-index
134 ext. papers	2,576 ext. citations	2.6 avg, IF	4.92 L-index

#	Paper	IF	Citations
128	Mixed model methodology for the estimation of genetic response to selection in litter size of rabbits. *Livestock Science*, **1989**, 21, 67-75		100
127	The Bayesian controversy in animal breeding. *Journal of Animal Science*, **2001**, 79, 2023-46	0.7	96
126	Selection response of growth rate in rabbits for meat production. *Genetics Selection Evolution*, **1992** , 24, 527	4.9	90
125	Antioxidant, lipolytic and proteolytic enzyme activities in pork meat from different genotypes. *Meat Science*, **2004**, 66, 525-9	6.4	77
124	A Bayesian analysis of the effect of selection for growth rate on growth curves in rabbits. *Genetics Selection Evolution*, **2003**, 35, 21-41	4.9	66
123	Effect of selection for growth rate on biochemical, quality and texture characteristics of meat from rabbits. *Meat Science*, **2004**, 67, 617-24	6.4	59
122	The genetics of prenatal survival of pigs and rabbits: a review. *Livestock Science*, **1993**, 37, 1-21		52
121	Carcass characteristics and meat quality of rabbit lines selected for different objectives:. *Livestock Science*, **1998**, 54, 115-123		51
120	The effect of selection for growth rate on carcass composition and meat characteristics of rabbits. *Meat Science*, **2000**, 54, 347-55	6.4	50
119	Genetic analysis of detailed milk protein composition and coagulation properties in Simmental cattle. *Journal of Dairy Science*, **2011**, 94, 5183-93	4	49
118	Genetic analysis of growth curve parameters for male and female chickens resulting from selection on shape of growth curve. *Journal of Animal Science*, **2000**, 78, 2515-24	0.7	49
117	The effect of selection for growth rate and slaughter age on carcass composition and meat quality traits in rabbits. *Journal of Animal Science*, **2004**, 82, 3138-43	0.7	44
116	The use of Bayesian statistics in meat quality analyses: a review. *Meat Science*, **2005**, 69, 115-22	6.4	43
115	Comparison of five types of pig crosses. II. fresh meat quality and sensory characteristics of dry cured ham. *Livestock Science*, **1994**, 40, 179-185		42
114	Comparison of different nonlinear functions to describe Nelore cattle growth. *Journal of Animal Science*, **2009**, 87, 496-506	0.7	40
113	Carcass composition and meat characteristics of two rabbit breeds of different degrees of maturity. *Meat Science*, **1996**, 44, 85-92	6.4	39
112	Comparison of carcass and meat characteristics of three rabbit lines selected for litter size or growth rate. *Meat Science*, **2006**, 73, 645-50	6.4	38

111	Fatty acid composition of leg meat and perirenal fat of rabbits selected by growth rate. *Food Chemistry*, **2005**, 90, 251-256	8.5	38
110	Relationships between meat quality measurements in rabbits fed with three diets of different fat type and content. *Meat Science*, **2000**, 55, 379-84	6.4	38
109	Relationships between components of litter size in unilaterally ovariectomized and intact rabbit does. *Journal of Animal Science*, **1994**, 72, 3066-72	0.7	34
108	Selection for environmental variation: a statistical analysis and power calculations to detect response. *Genetics*, **2008**, 180, 2209-26	4	33
107	The effect of divergent selection for uterine capacity on prenatal survival in rabbits: maternal and embryonic genetic effects. *Journal of Animal Science*, **2004**, 82, 68-73	0.7	31
106	Selection for environmental variance of litter size in rabbits. *Genetics Selection Evolution*, **2017**, 49, 48	4.9	30
105	Relationships between uterine and fetal traits in rabbits selected on uterine capacity. *Journal of Animal Science*, **2003**, 81, 1265-73	0.7	30
104	Divergent selection for uterine capacity in rabbits. II. Correlated response in litter size and its components estimated with a cryopreserved control population. *Journal of Animal Science*, **2005**, 83, 2303-7	0.7	30
103	Economic weights in rabbit meat production. *World Rabbit Science*, **2014**, 22, 165	0.9	30
102	A short critical history of the application of genomics to animal breeding. *Livestock Science*, **2014**, 166, 4-9	1.7	28
101	Divergent selection for uterine capacity in rabbits. *Journal of Animal Science*, **1997**, 75, 2350-4	0.7	28
100	Relationships between quantitative and reproductive fitness traits in animals. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2005**, 360, 1489-502	5.8	28
99	Comparison of five types of pig crosses. I. growth and carcass traits. *Livestock Science*, **1994**, 40, 171-178		27
98	The effect of fat-enriched diets on the perirenal fat quality and sensory characteristics of meat from rabbits. *Meat Science*, **1997**, 47, 95-103	6.4	26
97	In vivo development of vitrified rabbit embryos: effects on prenatal survival and placental development. *Theriogenology*, **2010**, 73, 704-10	2.8	25
96	Elliptical selection experiment for the estimation of genetic parameters of the growth rate and feed conversion ratio in rabbits. *Journal of Animal Science*, **2004**, 82, 654-60	0.7	24
95	Bayesian inference of genetic parameters and selection response for litter size components in pigs. *Genetics*, **1998**, 149, 301-6	4	24
94	Analysis of beef cattle longitudinal data applying a nonlinear model. *Journal of Animal Science*, **2007**, 85, 3189-97	0.7	23

93	Effect of selection for growth rate on the ageing of myofibrils, meat texture properties and the muscle proteolytic potential of m. longissimus in rabbits. *Meat Science*, **2006**, 72, 121-9	6.4	23
92	Valuation par coloscopie des corps jaunes et des embryons. Influence sur la taille de portée chez la lapine. *Reproduction, Nutrition, Development*, **1990**, 30, 583-588		22
91	Effect of selection for growth rate on relative growth in rabbits. *Journal of Animal Science*, **2008**, 86, 3409-17	0.7	20
90	Divergent selection for uterine capacity in rabbits. I. Genetic parameters and response to selection. *Journal of Animal Science*, **2005**, 83, 2297-302	0.7	20
89	Estimates of genetic parameters for ovulation rate, prenatal survival and litter size in rabbits from an elliptical selection experiment. *Livestock Science*, **1993**, 34, 163-174		20
88	Effect of genetic rabbit lines on lipid content, lipolytic activities and fatty acid composition of hind leg meat and perirenal fat. *Meat Science*, **2008**, 78, 485-91	6.4	19
87	Identification of single-nucleotide polymorphism in the progesterone receptor gene and its association with reproductive traits in rabbits. *Genetics*, **2008**, 180, 1699-705	4	19
86	Divergent selection on intramuscular fat in rabbits: Responses to selection and genetic parameters. *Journal of Animal Science*, **2016**, 94, 4993-5003	0.7	19
85	Divergent selection for intramuscular fat content in rabbits. I. Direct response to selection. *Journal of Animal Science*, **2013**, 91, 4526-31	0.7	18
84	Early embryonic survival and embryo development in two lines of rabbits divergently selected for uterine capacity. *Journal of Animal Science*, **2007**, 85, 1634-9	0.7	18
83	Modifying growth curve parameters by multitrait genomic selection. *Journal of Animal Science*, **2011**, 89, 661-8	0.7	17
82	Analyses for the presence of a major gene affecting uterine capacity in unilaterally ovariectomized rabbits. *Genetics*, **2003**, 163, 1061-8	4	17
81	Effects of intrauterine crowding on available uterine space per fetus in rabbits. *Livestock Science*, **2008**, 114, 211-219	1.7	16
80	Muscular pH of the rabbit. *Animal Research*, **1990**, 39, 133-136		16
79	Comparison of texture and biochemical characteristics of three rabbit lines selected for litter size or growth rate. *Meat Science*, **2006**, 73, 687-92	6.4	15
78	Bayesian Data Analysis for Animal Scientists **2017**,		14
77	Selection for ovulation rate in rabbits: genetic parameters, direct response, and correlated response on litter size. *Journal of Animal Science*, **2011**, 89, 2981-7	0.7	14
76	A Bayesian approach to the effect of selection for growth rate on sensory meat quality of rabbit. *Meat Science*, **2005**, 69, 123-7	6.4	14

75	Influence of available uterine space per fetus on fetal development and prenatal survival in rabbits selected for uterine capacity. *Livestock Science*, **2006**, 102, 83-91	1.7	14
74	The effect of divergent selection for uterine capacity on fetal and placental development at term in rabbits: maternal and embryonic genetic effects. *Journal of Animal Science*, **2004**, 82, 1046-52	0.7	14
73	Uterine capacity and prenatal survival in Meishan and Large White pigs. *Animal Science*, **1995**, 60, 471-479		14
72	Candidate gene analysis for reproductive traits in two lines of rabbits divergently selected for uterine capacity. *Journal of Animal Science*, **2010**, 88, 828-36	0.7	13
71	Carcass characteristics and meat quality of rabbit lines selected for different objectives:. *Livestock Science*, **1998**, 54, 125-131		13
70	The role of genetic engineering in livestock production. *Livestock Science*, **2008**, 113, 191-201	1.7	13
69	Bayesian inference about parameters of a longitudinal trajectory when selection operates on a correlated trait. *Journal of Animal Science*, **2003**, 81, 2714-24	0.7	13
68	Prediction of carcass composition in the rabbit. *Meat Science*, **1996**, 44, 75-83	6.4	13
67	A note on growth curves of rabbit lines selected on growth rate or litter size. *Animal Science*, **1993**, 57, 332-334		13
66	Genetic selection for ovulation rate and litter size in rabbits: Estimation of genetic parameters and direct and correlated responses. *Journal of Animal Science*, **2013**, 91, 3113-20	0.7	12
65	Divergent selection for uterine capacity in rabbits. III. Responses in uterine capacity and its components estimated with a cryopreserved control population. *Journal of Animal Science*, **2005**, 83, 2308-12	0.7	12
64	Relationships of meat characteristics of two lines of rabbits selected for litter size and growth rate. *Journal of Animal Science*, **1997**, 75, 2936-41	0.7	11
63	Comparison between rabbit lines for sensory meat quality. *Meat Science*, **2007**, 75, 494-8	6.4	11
62	Expression of progesterone receptor related to the polymorphism in the PGR gene in the rabbit reproductive tract. *Journal of Animal Science*, **2010**, 88, 421-7	0.7	10
61	Selection for ovulation rate in rabbits: genetic parameters and correlated responses on survival rates. *Journal of Animal Science*, **2012**, 90, 439-46	0.7	10
60	Prediction of rabbit meat and bone weight using carcass measurements and sample cuts. *Animal Research*, **1984**, 33, 161-170		10
59	Genetics of growth, carcass and meat quality in rabbits. *Meat Science*, **2018**, 145, 178-185	6.4	10
58	Effects of ignoring inbreeding in model-based accuracy for BLUP and SSGBLUP. *Journal of Animal Breeding and Genetics*, **2020**, 137, 356-364	2.9	9

57	Divergent selection for intramuscular fat content in rabbits. II. Correlated responses on carcass and meat quality traits. *Journal of Animal Science*, **2013**, 91, 4532-9	0.7	9
56	Correlated responses to selection for intramuscular fat in several muscles in rabbits. *Meat Science*, **2018**, 139, 187-191	6.4	8
55	Influence of genetic line on lipid metabolism traits of rabbit muscle. *Journal of Animal Science*, **2010** , 88, 3419-27	0.7	8
54	Analysis of the oviductal glycoprotein 1 polymorphisms and their effects on components of litter size in rabbits. *Animal Genetics*, **2009**, 40, 756-8	2.5	8
53	Breeds in danger of extintion and biodiversity. *Revista Brasileira De Zootecnia*, **2008**, 37, 101-109	1.2	8
52	Phenotypic and genetic parameters of birth weight and weaning weight of rabbits born from unilaterally ovariectomized and intact does. *Livestock Science*, **1999**, 57, 159-167		8
51	Relationships between ovulation rate, prenatal survival and litter size in French Large White pigs. *Animal Science*, **1996**, 63, 143-148		8
50	Relationships between ovulation rate, embryo survival and litter size in rabbits. *Animal Science*, **1992**, 55, 271-276		8
49	Correlated response to selection for litter size environmental variability in rabbits' resilience. *Animal*, **2019**, 13, 2348-2355	3.1	8
48	Effect of selection for intramuscular fat on the fatty acid composition of rabbit meat. *Animal*, **2018**, 12, 2002-2008	3.1	7
47	Correlated response in litter size components in rabbits selected for litter size variability. *Journal of Animal Breeding and Genetics*, **2017**, 134, 505-511	2.9	7
46	Selection for ovulation rate in rabbits: direct and correlated responses estimated with a cryopreserved control population. *Journal of Animal Science*, **2012**, 90, 3392-7	0.7	7
45	Investigation of the oviductal glycoprotein 1 (OVGP1) gene associated with embryo survival and development in the rabbit. *Journal of Animal Science*, **2010**, 88, 1597-602	0.7	7
44	Genomic regions influencing intramuscular fat in divergently selected rabbit lines. *Animal Genetics*, **2020**, 51, 58-69	2.5	7
43	Effect of divergent selection for intramuscular fat on sensory traits and instrumental texture in rabbit meat. *Journal of Animal Science*, **2016**, 94, 5137-5143	0.7	7
42	Muscle lipid metabolism in two rabbit lines divergently selected for intramuscular fat. *Journal of Animal Science*, **2017**, 95, 2576-2584	0.7	6
41	A whole-genome analysis using robust asymmetric distributions. *Genetical Research*, **2006**, 88, 143-51	1.1	6
40	Use of near infrared spectroscopy for intramuscular fat selection in rabbits. *World Rabbit Science*, **2011**, 19,	0.9	6

39	Comparison of degrees of maturity of rabbit lines selected for different traits. *World Rabbit Science* , **2015**, 23, 155	0.9	6
38	Litter Survival Differences between Divergently Selected Lines for Environmental Sensitivity in Rabbits. *Animals*, **2019**, 9,	3.1	5
37	Muscle lipid metabolism in two rabbit lines divergently selected for intramuscular fat. *Journal of Animal Science*, **2017**, 95, 2576	0.7	5
36	Estimation of valuation multiples of Spanish unlisted food companies. *Spanish Journal of Agricultural Research*, **2010**, 8, 547	1.1	5
35	Correlated response in body condition and energy mobilisation in rabbits selected for litter size variability. *Animal*, **2019**, 13, 784-789	3.1	5
34	Modeling production functions and economic weights in intensive meat production of guinea pigs. *Tropical Animal Health and Production*, **2017**, 49, 1361-1367	1.7	4
33	Correlated responses on growth traits after two-stage selection for ovulation rate and litter size in rabbits. *Animal*, **2019**, 13, 2457-2462	3.1	4
32	Liver metabolism traits in two rabbit lines divergently selected for intramuscular fat. *Animal*, **2018**, 12, 1217-1223	3.1	4
31	A Bayesian analysis of response to selection for uterine capacity in rabbits. *Journal of Animal Breeding and Genetics*, **2001**, 118, 93-100	2.9	4
30	A genomewide association study in divergently selected lines in rabbits reveals novel genomic regions associated with litter size traits. *Journal of Animal Breeding and Genetics*, **2020**, 137, 123-138	2.9	4
29	Inflammatory Correlated Response in Two Lines of Rabbit Selected Divergently for Litter Size Environmental Variability. *Animals*, **2020**, 10,	3.1	4
28	Current Status of Genomic Maps: Genomic Selection/GBV in Livestock **2018**, 61-80		3
27	Selection for ovulation rate in rabbits. *Livestock Science*, **2006**, 101, 126-133	1.7	3
26	The effect of unilateral ovariectomy on early embryonic survival and embryo development in rabbits. *World Rabbit Science*, **2014**, 22, 123	0.9	3
25	Comprehensive functional core microbiome comparison in genetically obese and lean hosts under the same environment. *Communications Biology*, **2021**, 4, 1246	6.7	3
24	Genotype Imputation to Improve the Cost-Efficiency of Genomic Selection in Rabbits. *Animals*, **2021** , 11,	3.1	3
23	The effect of divergent selection for intramuscular fat on the domestic rabbit genome. *Animal*, **2020**, 14, 2225-2235	3.1	2
22	Relationship between body condition and energy mobilization in rabbit does. *World Rabbit Science*, **2017**, 25, 37	0.9	2

21	Correlated response in early embryonic development in rabbits selected for litter size variability. *World Rabbit Science*, **2017**, 25, 323	0.9	2
20	The effect of divergent selection for uterine capacity on fetal and placental development at term in rabbits: Maternal and embryonic genetic effects1. *Journal of Animal Science*, **2004**, 82, 1046-1052	0.7	2
19	Compositional data analysis of microbiome and any-omics datasets: a revalidation of the additive logratio transformation		2
18	Embryologic changes in rabbit lines selected for litter size variability. *Theriogenology*, **2016**, 86, 1247-50	2.8	2
17	Correlated responses on litter size traits and survival traits after two-stage selection for ovulation rate and litter size in rabbits. *Animal*, **2019**, 13, 453-459	3.1	2
16	Genetic variation in reaction time to halothane exposure. *Animal Science*, **1989**, 49, 117-121		1
15	Effect of divergent selection for uterine capacity on embryonic survival and development at 30 h post-mating in unilaterally ovariectomized rabbit females. *World Rabbit Science*, **2015**, 23, 241	0.9	1
14	Effect of increased ovulation rate on embryo and foetal survival as a model for selection by ovulation rate in rabbits. *World Rabbit Science*, **2016**, 24, 87	0.9	1
13	Correlated Response to Selection for Litter Size Residual Variability in Rabbits' Body Condition. *Animals*, **2020**, 10,	3.1	1
12	Do We Understand Classic Statistics? **2017**, 1-32		1
11	Novel Genomic Regions Associated with Intramuscular Fatty Acid Composition in Rabbits. *Animals*, **2020**, 10,	3.1	1
10	Elliptical selection experiment for the estimation of genetic parameters of the growth rate and feed conversion ratio in rabbits1. *Journal of Animal Science*, **2004**, 82, 654-660	0.7	0
9	Selection for environmental variance of litter size in rabbits involves genes in pathways controlling animal resilience. *Genetics Selection Evolution*, **2021**, 53, 59	4.9	0
8	The Baby Model **2017**, 103-118		
7	The Linear Model: I. The Fixed Effects Model **2017**, 119-135		
6	Prior Information **2017**, 193-211		
5	The Bayesian Choice **2017**, 33-65		
4	The Linear Model: II. The Mixed Model **2017**, 137-165		

List of Publications

3 A Scope of the Possibilities of Bayesian Inference + MCMC **2017**, 167-192

2 Model Selection **2017**, 213-246

1 Animal Breeding Methods and Sustainability **2022**, 1-20