

Lotta Rydhmer

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

3,373
citations

109321

35
h-index

161849

54
g-index

110
all docs

110
docs citations

110
times ranked

2364
citing authors

#	ARTICLE	IF	CITATIONS
1	Muscle histochemical and biochemical properties in relation to meat quality during selection for increased lean tissue growth rate in pigs1. <i>Journal of Animal Science</i> , 1993, 71, 930-938.	0.5	177
2	Genetic parameters for within-litter variation in piglet birth weight and change in within-litter variation during suckling1. <i>Journal of Animal Science</i> , 2003, 81, 604-610.	0.5	161
3	Culling reasons in organic and conventional dairy herds and genotype by environment interaction for longevity. <i>Journal of Dairy Science</i> , 2011, 94, 1568-1575.	3.4	113
4	Genetic validation of postmixing skin injuries in pigs as an indicator of aggressiveness and the relationship with injuries under more stable social conditions. <i>Journal of Animal Science</i> , 2009, 87, 3076-3082.	0.5	107
5	Long-term effect of vaccination against gonadotropin-releasing hormone, using Improvac®, on hormonal profile and behaviour of male pigs. <i>Animal Reproduction Science</i> , 2008, 108, 37-48.	1.5	101
6	Limiting livestock production to pasture and by-products in a search for sustainable diets. <i>Food Policy</i> , 2016, 58, 1-13.	6.0	100
7	Genetics of sow reproduction, including puberty, oestrus, pregnancy, farrowing and lactation. <i>Livestock Science</i> , 2000, 66, 1-12.	1.2	92
8	Aggressive behaviour of sows at mixing and maternal behaviour are heritable and genetically correlated traits. <i>Livestock Science</i> , 2005, 93, 73-85.	1.2	87
9	Immunocastration reduces aggressive and sexual behaviour in male pigs. <i>Animal</i> , 2010, 4, 965-972.	3.3	86
10	Genetic study of longevity in Swedish Landrace sows. <i>Livestock Science</i> , 2000, 63, 255-264.	1.2	81
11	Invited review: Breeding and ethical perspectives on genetically modified and genome edited cattle. <i>Journal of Dairy Science</i> , 2018, 101, 1-17.	3.4	81
12	Relationship between litter size and perinatal and pre-weaning survival in pigs. <i>Animal Science</i> , 2002, 74, 217-222.	1.3	79
13	Nursing behaviour of sows during 5 weeks lactation and effects on piglet growth. <i>Applied Animal Behaviour Science</i> , 2002, 76, 93-104.	1.9	79
14	Relation between early fear- and anxiety-related behaviour and maternal ability in sows. <i>Applied Animal Behaviour Science</i> , 2003, 82, 121-135.	1.9	73
15	Genetic analysis of on-farm tests of maternal behaviour in sows. <i>Livestock Science</i> , 2003, 83, 141-151.	1.2	72
16	Omnivores Going Astray: A Review and New Synthesis of Abnormal Behavior in Pigs and Laying Hens. <i>Frontiers in Veterinary Science</i> , 2016, 3, 57.	2.2	65
17	Prospects for sustainability of pig production in relation to climate change and novel feed resources. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 3575-3586.	3.5	56
18	Genetic correlations between gestation length, piglet survival and early growth. <i>Livestock Science</i> , 2008, 115, 287-293.	1.6	55

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19	Relationships between age at puberty and interval from weaning to estrus and between estrus signs at puberty and after the first weaning in pigs.. Journal of Animal Science, 1998, 76, 353.	0.5	53
20	Metabolic state of the sow, nursing behaviour and milk production. Livestock Science, 2003, 79, 155-167.	1.2	53
21	Survival of Swedish Landrace and Yorkshire sows in relation to osteochondrosis: a genetic study. Animal Science, 2000, 71, 1-9.	1.3	52
22	A Study on Primiparous Sows of the Ability to Show Standing Oestrus and to Ovulate after Weaning. Influences of Loss of Body Weight and Backfat during Lactation and of Litter Size, Litter Weight Gain and Season. Acta Veterinaria Scandinavica, 1990, 31, 227-236.	1.6	51
23	Social Impacts of GM Crops in Agriculture: A Systematic Literature Review. Sustainability, 2015, 7, 8598-8620.	3.2	49
24	Aggressive and sexual behaviour of growing and finishing pigs reared in groups, without castration. Acta Agriculturae Scandinavica - Section A: Animal Science, 2006, 56, 109-119.	0.2	48
25	Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels. Livestock Science, 1994, 38, 125-132.	1.2	47
26	Genetically modified farm animals and fish in agriculture: A review. Livestock Science, 2013, 153, 1-9.	1.6	46
27	Genetic analysis of body condition in the sow during lactation, and its relation to piglet survival and growth. Animal Science, 2005, 80, 33-40.	1.3	45
28	A genetic study of estrus symptoms at puberty and their relationship to growth and leanness in gilts. Journal of Animal Science, 1994, 72, 1964-1970.	0.5	44
29	Photoperiodic effects on pubertal maturation of spermatogenesis, pituitary responsiveness to exogenous GnRH, and expression of boar taint in crossbred boars. Animal Reproduction Science, 1998, 54, 121-137.	1.5	44
30	A life cycle sustainability assessment of organic and conventional pork supply chains in Sweden. Sustainable Production and Consumption, 2021, 28, 21-38.	11.0	44
31	Genetics of growth in piglets and the association with homogeneity of body weight within litters. Journal of Animal Science, 2010, 88, 1240-1247.	0.5	41
32	Genetic parameters for reproduction traits in sows and relations to performanceâ€¢test measurements. Journal of Animal Breeding and Genetics, 1995, 112, 33-42.	2.0	40
33	Genetic correlations between the maternal genetic effect on chick weight and the direct genetic effects on egg composition traits in a White Leghorn line. Poultry Science, 2003, 82, 1-8.	3.4	40
34	Boar Taint is Related to Endocrine and Anatomical Changes at Puberty but not to Aggressive Behaviour in Entire Male Pigs. Reproduction in Domestic Animals, 2005, 40, 500-506.	1.4	39
35	Genetic variation in sows' maternal behaviour, recorded under field conditions. Livestock Science, 2005, 93, 63-71.	1.2	39
36	Direct and maternal influences on the early growth, fattening performance, and carcass traits of pigs. Livestock Science, 2004, 88, 199-212.	1.2	38

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37	Fertility, somatic cell count and milk production in Swedish organic and conventional dairy herds. <i>Livestock Science</i> , 2009, 126, 176-182.	1.6	32
38	Genetic analysis of functional and non-functional teats in a population of Yorkshire pigs. <i>Livestock Science</i> , 2013, 152, 127-134.	1.6	31
39	Welfare of entire male pigs is improved by socialising piglets and keeping intact groups until slaughter. <i>Animal</i> , 2013, 7, 1532-1541.	3.3	30
40	Genetic Parameters for the Piglet Mortality Traits Crushing, Stillbirth and Total Mortality, and their Relation to Birth Weight. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2002, 52, 167-173.	0.2	29
41	Genetic parameters for reproduction and production traits of Landrace sows in Thailand ¹ . <i>Journal of Animal Science</i> , 2007, 85, 53-59.	0.5	29
42	Maternal behaviour and performance in first-parity outdoor sows. <i>Livestock Science</i> , 2008, 116, 216-222.	1.6	29
43	Differences in preferences for breeding traits between organic and conventional dairy producers in Sweden. <i>Livestock Science</i> , 2014, 162, 5-14.	1.6	29
44	GxE interactions for growth and carcass leanness: Re-ranking of boars in organic and conventional pig production. <i>Livestock Science</i> , 2009, 123, 154-160.	1.6	27
45	Influence of artificial light regimens on sexual maturation and boar taint in entire male pigs. <i>Animal Reproduction Science</i> , 1998, 51, 31-43.	1.5	25
46	Genetic associations between behavioral traits and direct-social effects of growth rate in pigs ¹ . <i>Journal of Animal Science</i> , 2012, 90, 4706-4715.	0.5	25
47	Economic consequences of dairy crossbreeding in conventional and organic herds in Sweden. <i>Journal of Dairy Science</i> , 2020, 103, 514-528.	3.4	25
48	Relationships between puberty and production traits in the gilt. 1. Age at puberty. <i>Animal Reproduction Science</i> , 1991, 25, 143-154.	1.5	24
49	Ovarian Activity and Oestrous Signs among Group-Housed, Lactating Sows: Influence of Behaviour, Environment and Production. <i>Reproduction in Domestic Animals</i> , 2006, 41, 448-454.	1.4	23
50	Genetic analysis of reproductive performance in Landrace sows and its correlation to piglet growth. <i>Livestock Science</i> , 2010, 128, 173-178.	1.6	22
51	A Genetic Study of Pubertal Age, Litter Traits, Weight Loss during Lactation and Relations to Growth and Leanness in Gilts. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 1992, 42, 211-219.	0.2	21
52	A Genetic Study of Piglet Growth and Survival. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2000, 50, 300-303.	0.2	21
53	Sexual Maturity in Entire Male Pigs: Environmental Effects, Relations to Skatole Level and Female Puberty. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 1999, 49, 103-112.	0.2	20
54	Diversity of pig production systems at farm level in Europe. <i>Journal on Chain and Network Science</i> , 2011, 11, 115-135.	1.6	19

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55	There is room for selection in a small local pig breed when using optimum contribution selection: A simulation study ^{1,2} . <i>Journal of Animal Science</i> , 2012, 90, 76-84.	0.5	19
56	Influence of light environment and photoperiod on plasma melatonin and cortisol profiles in young domestic boars, comparing two commercial melatonin assays. <i>Domestic Animal Endocrinology</i> , 2000, 19, 261-274.	1.6	18
57	Heritability of shoulder ulcers and genetic correlations with mean piglet weight and sow body condition. <i>Animal</i> , 2012, 6, 1-8.	3.3	18
58	Genetic parameters for feed intake, litter weight, body condition and rebreeding success in primiparous Norwegian Landrace sows. <i>Animal</i> , 2014, 8, 175-183.	3.3	18
59	Effect of feeding level during rearing and mating strategy on performance of Swedish Yorkshire sows. 2. Reproductive performance, food intake, backfat changes and culling rate during the first two parities. <i>Animal Science</i> , 1999, 68, 365-377.	1.3	17
60	Breeding for welfare in outdoor pig production: A simulation study. <i>Livestock Science</i> , 2010, 132, 26-34.	1.6	17
61	Genetic trends in maternal and neonatal behaviors and their association with perinatal survival in French Large White swine. <i>Frontiers in Genetics</i> , 2014, 5, 410.	2.3	17
62	Scenario Development as a Basis for Formulating a Research Program on Future Agriculture: A Methodological Approach. <i>Ambio</i> , 2013, 42, 823-839.	5.5	15
63	Effects of Piglet Weight and Fraternity Size on Performance, Puberty and Farrowing Results. <i>Acta Agriculturae Scandinavica</i> , 1989, 39, 397-406.	0.3	14
64	Evaluation of the sustainability of contrasted pig farming systems: integrated evaluation. <i>Animal</i> , 2014, 8, 2058-2068.	3.3	14
65	Oestrous symptoms in primiparous sows. 1. Duration and intensity of external oestrous symptoms. <i>Animal Reproduction Science</i> , 1994, 36, 305-314.	1.5	13
66	Genetic relations of yolk proportion and chick weight with production traits in a White Leghorn line. <i>British Poultry Science</i> , 2003, 44, 186-191.	1.7	13
67	Behavioral Genetics in Pigs and Relations to Welfare. , 2014, , 397-434.		13
68	Production Results and Technological Meat Quality for Pigs in Indoor and Outdoor Rearing Systems. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2003, 53, 166-174.	0.2	12
69	Effect of single-sex or mixed rearing and live weight on performance, technological meat quality and sexual maturity in entire male and female pigs fed raw potato starch. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2005, 55, 80-90.	0.2	12
70	Genetic parameters and trends for production and reproduction traits in Thai Landrace sows. <i>Livestock Science</i> , 2007, 111, 70-79.	1.6	11
71	Sow performance and maternal behaviour in organic and conventional herds. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2009, 59, 181-191.	0.2	11
72	Prospects for the Analysis and Reduction of Damaging Behaviour in Group-Housed Livestock, With Application to Pig Breeding. <i>Frontiers in Genetics</i> , 2020, 11, 611073.	2.3	11

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73	Genetic consequences of terminal crossbreeding, genomic test, sexed semen, and beef semen in dairy herds. <i>Journal of Dairy Science</i> , 2021, 104, 8062-8075.	3.4	11
74	Preferences for pig breeding goals among organic and conventional farmers in Sweden. <i>Organic Agriculture</i> , 2016, 6, 171-182.	2.4	10
75	Estimation of genetic trends from 1977 to 1998 for farrowing characteristics in the French Large White breed using frozen semen. <i>Animal</i> , 2007, 1, 929-938.	3.3	9
76	Influence of sow dietary fatty acid composition on the behaviour of the piglets. <i>Livestock Science</i> , 2009, 123, 306-313.	1.6	9
77	Genotype by environment interaction of Swedish dairy cows in organic and conventional production systems. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2010, 60, 65-73.	0.2	9
78	Genetic analysis of teat number and litter traits in pigs. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2013, 63, 121-125.	0.2	9
79	Evaluation of the sustainability of contrasted pig farming systems: breeding programmes. <i>Animal</i> , 2014, 8, 2016-2026.	3.3	9
80	Effect of polymorphism in the porcine cytochrome b5 (CYB5A) gene on androstenone and skatole concentrations and sexual development in Swedish pig populations. <i>Animal</i> , 2008, 2, 190-196.	3.3	8
81	Growth traits of crossbreds of Ankole with Brown Swiss, Holstein Friesian, Jersey, and Sahiwal cattle in Rwanda. <i>Tropical Animal Health and Production</i> , 2018, 50, 825-830.	1.4	8
82	Genomic selection using indicator traits to reduce the environmental impact of milk production. <i>Journal of Dairy Science</i> , 2013, 96, 5306-5314.	3.4	7
83	An assessment of scenarios for future pig production using a One Health approach. <i>Livestock Science</i> , 2022, 260, 104929.	1.6	7
84	Performance Testing of Pigs for Lean Tissue Growth Rate in a Selection Experiment with Low and High Protein Diets: II. Correlated Responses of Lean Percentage and Growth Rate. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 1994, 44, 1-7.	0.2	6
85	Selection of bull dams for production and functional traits in an open nucleus herd. <i>Journal of Dairy Science</i> , 2011, 94, 2592-2600.	3.4	6
86	Evaluation of the sustainability of contrasted pig farming systems: the procedure, the evaluated systems and the evaluation tools. <i>Animal</i> , 2014, 8, 2011-2015.	3.3	6
87	Inverted teats (Mammillae invertitae) in gilts – Effect on piglet survival and growth rate. <i>Journal of Animal Science</i> , 2014, 92, 2587-2594.	0.5	6
88	Milk production and lactation length in Ankole cattle and Ankole crossbreds in Rwanda. <i>Tropical Animal Health and Production</i> , 2020, 52, 2937-2943.	1.4	6
89	Performance Testing of Pigs for Lean Tissue Growth Rate in a Selection Experiment with Low and High Protein Diets: 1. Experimental Design and Efficiency of Selection. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 1993, 43, 136-143.	0.2	5
90	Genetic Relations between Reproduction, Chick Weight and Maternal Egg Composition in a White Leghorn Line. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2002, 52, 91-101.	0.2	5

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91	Simulating consequences of choosing a breeding goal for organic dairy production. <i>Journal of Dairy Science</i> , 2018, 101, 11086-11096.	3.4	5
92	Clinical and Genetic Studies of Disturbed Milk Production in Sows. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2001, 51, 1-6.	0.2	4
93	Breakeven prices for recording of indicator traits to reduce the environmental impact of milk production. <i>Journal of Animal Breeding and Genetics</i> , 2015, 132, 30-41.	2.0	4
94	Reproductive performance of Ankole cattle and its crossbreds in Rwanda. <i>Tropical Animal Health and Production</i> , 2019, 51, 49-54.	1.4	3
95	The effect of high temperature and humidity on milk yield in Ankole and crossbred cows. <i>Tropical Animal Health and Production</i> , 2022, 54, 85.	1.4	3
96	Carcass quality and technological and sensory meat quality of once-bred gilts in a seasonal outdoor rearing system. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2004, 54, 103-111.	0.2	2
97	An algorithm for the identification of genetically modified animals. <i>Trends in Biotechnology</i> , 2013, 31, 272-274.	9.3	2
98	Shoulder ulcers in sows are genetically correlated to leanness of young pigs and to litter weight. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2014, 64, 67-72.	0.2	2
99	Risk aversion affects economic values of blue fox breeding scheme. <i>Journal of Animal Breeding and Genetics</i> , 2016, 133, 485-492.	2.0	2
100	The effects of breed cross on performance and meat quality of once-bred gilts in a seasonal outdoor rearing system. <i>Archives Animal Breeding</i> , 2005, 48, 359-371.	1.4	2
101	Behavioral genetics in pigs and relations to welfare. , 2022, , 325-375.		2
102	Relations between piglet weights and survival. <i>BSAP Occasional Publication</i> , 1992, 15, 183-184.	0.0	1
103	Effect of candidate genes for maternal ability on piglet survival and growth. <i>Livestock Science</i> , 2018, 207, 83-90.	1.6	1
104	Simulation-based Evaluation of Four Scenarios for Pig Testing at a Central Test Station. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 1999, 49, 42-48.	0.2	0
105	Growth rate of growing pigs is weakly correlated genetically with litter size, while the amount of genetic variation for growth rate changes with litter size. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2005, 55, 66-73.	0.2	0
106	Lepidium cake as a feedstuff for pigs. <i>Livestock Science</i> , 2019, 225, 47-52.	1.6	0
107	Genetic Relations between Reproduction, Chick Weight and Maternal Egg Composition in a White Leghorn Line. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2002, 52, 91-101.	0.2	0
108	PSX-34 Late-Breaking Abstract: Effect of Genotype and Temperature-Humidity Index (THI) on milk yield of Ankole and its crossbreds in Rwanda. <i>Journal of Animal Science</i> , 2020, 98, 352-352.	0.5	0