

Sam Millet

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

2,448
citations

249298

26
h-index

274796

44
g-index

114
all docs

114
docs citations

114
times ranked

2654
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of dietary energy level in finishing phase on performance, carcass and meat quality in immunocastrates and barrows in comparison with gilts and entire male pigs. <i>Animal</i> , 2022, 16, 100437.	1.3	9
2	Fibre supplementation to pre-weaning piglet diets did not improve the resilience towards a post-weaning enterotoxigenic <i>E. coli</i> challenge. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2021, 105, 260-271.	1.0	10
3	Quality characteristics of fresh loin and cooked ham muscles as affected by genetic background of commercial pigs. <i>Meat Science</i> , 2021, 172, 108352.	2.7	5
4	How two concurrent pandemics put a spoke in the wheel of intensive pig production. <i>Animal Frontiers</i> , 2021, 11, 14-18.	0.8	8
5	On-farm prevalence of and potential risk factors for boar taint. <i>Animal</i> , 2021, 15, 100141.	1.3	4
6	Testing the potential of the Sow Stance Information System (SowSIS) based on a force plate system built into an electronic sow feeder for on-farm automatic lameness detection in breeding sows. <i>Biosystems Engineering</i> , 2021, 204, 270-282.	1.9	4
7	The effects of salt and protein level on the performance and fecal consistency of piglets between 4 and 9 weeks of age. <i>Livestock Science</i> , 2021, 247, 104478.	0.6	1
8	Effect of terminal sire line and timing second vaccination on effectiveness of immunocastration, performance, and carcass and meat quality. <i>Meat Science</i> , 2021, 175, 108451.	2.7	2
9	Interaction of CP levels in maternal and nursery diets, and its effect on performance, protein digestibility, and serum urea levels in piglets. <i>Animal</i> , 2021, 15, 100266.	1.3	2
10	The usefulness of NIRS calibrations based on feed and feces spectra to predict nutrient content, digestibility and net energy of pig feeds. <i>Animal Feed Science and Technology</i> , 2021, 281, 115091.	1.1	10
11	The Impact of Maternal and Piglet Low Protein Diet and Their Interaction on the Porcine Liver Transcriptome around the Time of Weaning. <i>Veterinary Sciences</i> , 2021, 8, 233.	0.6	3
12	Interaction between fat and fiber level on nutrient digestibility of pig feed. <i>Animal Feed Science and Technology</i> , 2021, 282, 115126.	1.1	6
13	The effect of sex and slaughter weight on performance, carcass quality and gross margin, assessed on three commercial pig farms. <i>Animal</i> , 2020, 14, 1546-1554.	1.3	15
14	Factors influencing claw lesion scoring in sows. <i>Preventive Veterinary Medicine</i> , 2020, 175, 104859.	0.7	2
15	Developing and Understanding Olfactory Evaluation of Boar Taint. <i>Animals</i> , 2020, 10, 1684.	1.0	3
16	Carcass gain per kg feed intake: developing a stakeholder-driven benchmark for comparing grow-finishing pig performance. <i>Animal</i> , 2020, 14, 2609-2618.	1.3	3
17	Effect of supplementing phytase on piglet performance, nutrient digestibility and bone mineralisation. <i>Journal of Applied Animal Nutrition</i> , 2020, 8, 3-10.	0.3	5
18	Standardized ileal digestible lysine and valine-to-lysine requirements for optimal performance of 4 to 9-week-old PiÅ©train cross piglets. <i>Livestock Science</i> , 2020, 241, 104263.	0.6	2

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19	Repeated disinfectant use in broiler houses and pig nursery units does not affect disinfectant and antibiotic susceptibility in Escherichia coli field isolates. BMC Veterinary Research, 2020, 16, 140.	0.7	10
20	Performance and carcass, loin and ham quality in crossbreds from three terminal sire lines. Meat Science, 2020, 167, 108158.	2.7	5
21	Effect of ventilation control settings on ammonia and odour emissions from a pig rearing building. Biosystems Engineering, 2020, 192, 215-231.	1.9	17
22	Sustainability of Pork Production with Immunocastration in Europe. Sustainability, 2019, 11, 3335.	1.6	33
23	The effect of an 18-hour delay in solid feed provisioning on the feed intake and performance of piglets in the first weeks after weaning. Livestock Science, 2019, 228, 49-52.	0.6	1
24	Dietary fibre enrichment of supplemental feed modulates the development of the intestinal tract in suckling piglets. Journal of Animal Science and Biotechnology, 2019, 10, 83.	2.1	25
25	Monitoring of behavior, sex hormones and boar taint compounds during the vaccination program for immunocastration in three sire lines. Research in Veterinary Science, 2019, 124, 293-302.	0.9	12
26	Association between methylation potential and nutrient metabolism throughout the reproductive cycle of sows. Journal of Animal Physiology and Animal Nutrition, 2019, 103, 858-867.	1.0	4
27	The effect of PiÃ©train sire on the performance of the progeny of two commercial dam breeds: a pig intervention study. Animal, 2019, 13, 2125-2132.	1.3	3
28	On-Farm Claw Scoring in Sows Using a Novel Mobile Device. Sensors, 2019, 19, 1473.	2.1	6
29	Stakeholder-driven modelling the impact of animal profile and market conditions on optimal delivery weight in growing-finishing pig production. Agricultural Systems, 2018, 162, 34-45.	3.2	4
30	Optimising finishing pig delivery weight: participatory decision problem analysis. Animal Production Science, 2018, 58, 1141.	0.6	3
31	Review: Pork production with maximal nitrogen efficiency. Animal, 2018, 12, 1060-1067.	1.3	34
32	Online warning systems for individual fattening pigs based on their feeding pattern. Biosystems Engineering, 2018, 173, 143-156.	1.9	23
33	Effect of ventilation settings on ammonia emission in an experimental pig house equipped with artificial pigs. Biosystems Engineering, 2018, 176, 125-139.	1.9	12
34	183 The optimal SID lysine: crude protein ratio for maximal nitrogen efficiency in piglets.. Journal of Animal Science, 2018, 96, 300-301.	0.2	1
35	The effect of crude protein reduction on performance and nitrogen metabolism in piglets (four to Tj ETQq1 1 0.784314 rgBT /Overlook	0.2	20
36	On farm intervention studies on reduction of boar taint prevalence: Feeding strategies, presence of gilts and time in lairage. Research in Veterinary Science, 2018, 118, 508-516.	0.9	17

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37	Evaluation of performance models for farm-specific optimization of pig production. <i>Livestock Science</i> , 2017, 201, 99-108.	0.6	4
38	Chicory fructans in pig diet reduce skatole in back fat of entire male pigs. <i>Research in Veterinary Science</i> , 2017, 115, 340-344.	0.9	21
39	Olfactory evaluation of boar taint: effect of factors measured at slaughter and link with boar taint compounds. <i>Animal</i> , 2017, 11, 2084-2093.	1.3	5
40	Effect of rubber flooring on group-housed sows' gait and claw and skin lesions ¹ . <i>Journal of Animal Science</i> , 2016, 94, 2086-2096.	0.2	9
41	The effect of GnRH vaccination on performance, carcass, and meat quality and hormonal regulation in boars, barrows, and gilts ¹ . <i>Journal of Animal Science</i> , 2016, 94, 2811-2820.	0.2	44
42	Comparison of competitive exclusion with classical cleaning and disinfection on bacterial load in pig nursery units. <i>BMC Veterinary Research</i> , 2016, 12, 189.	0.7	12
43	The nutritive value of condensed wheat distillers solubles for cattle. <i>Animal</i> , 2016, 10, 1955-1964.	1.3	1
44	Immunocastrated male pigs: effect of 4 v. 6 weeks time post second injection on performance, carcass quality and meat quality. <i>Animal</i> , 2016, 10, 1466-1473.	1.3	23
45	Measuring the drinking behaviour of individual pigs housed in group using radio frequency identification (RFID). <i>Animal</i> , 2016, 10, 1557-1566.	1.3	48
46	Impact of parity on bone metabolism throughout the reproductive cycle in sows. <i>Animal</i> , 2016, 10, 1714-1721.	1.3	9
47	Marginal dietary zinc concentration affects claw conformation measurements but not histological claw characteristics in weaned pigs. <i>Veterinary Journal</i> , 2016, 209, 98-107.	0.6	8
48	Factors affecting mechanical nociceptive thresholds in healthy sows. <i>Veterinary Anaesthesia and Analgesia</i> , 2016, 43, 343-355.	0.3	17
49	A 10-day vacancy period after cleaning and disinfection has no effect on the bacterial load in pig nursery units. <i>BMC Veterinary Research</i> , 2016, 12, 236.	0.7	11
50	No indications that zinc and protein source affect Zn bioavailability in sows during late gestation fed adequate dietary Zn concentrations. <i>Animal Feed Science and Technology</i> , 2016, 213, 118-127.	1.1	3
51	Locomotion Disorders and Skin and Claw Lesions in Gestating Sows Housed in Dynamic versus Static Groups. <i>PLoS ONE</i> , 2016, 11, e0163625.	1.1	12
52	Fluctuation of potential zinc status biomarkers throughout a reproductive cycle of primiparous and multiparous sows. <i>British Journal of Nutrition</i> , 2015, 114, 544-552.	1.2	12
53	The effect of the MC4R gene on boar taint compounds, sexual maturity and behaviour in growing-finishing boars and gilts. <i>Animal</i> , 2015, 9, 1688-1697.	1.3	16
54	Effect of locomotion score on sows' performances in a feed reward collection test. <i>Animal</i> , 2015, 9, 1698-1703.	1.3	7

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55	Field experience with surgical castration with anaesthesia, analgesia, immunocastration and production of entire male pigs: performance, carcass traits and boar taint prevalence. <i>Animal</i> , 2015, 9, 500-508.	1.3	32
56	Evaluation of sampling strategies for estimating ammonia emission factors for pig fattening facilities. <i>Biosystems Engineering</i> , 2015, 140, 79-90.	1.9	7
57	Interaction between amino acids on the performances of individually housed piglets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2015, 99, 230-236.	1.0	20
58	An intervention study demonstrates effects of genotype on boar taint and performances of growing-finishing pigs. <i>Journal of Animal Science</i> , 2015, 93, 934.	0.2	9
59	Effect of grinding intensity and pelleting of the diet on indoor particulate matter concentrations and growth performance of weaning pigs. <i>Journal of Animal Science</i> , 2015, 93, 627-636.	0.2	12
60	Nutrient composition, digestibility and energy value of distillers dried grains with solubles and condensed distillers solubles fed to growing pigs and evaluation of prediction methods. <i>Animal Feed Science and Technology</i> , 2015, 210, 263-275.	1.1	11
61	Influence of hands-on experience on pig farmers' attitude towards alternatives for surgical castration of male piglets. <i>Research in Veterinary Science</i> , 2015, 103, 80-86.	0.9	11
62	The MC4R c.893G>A mutation: A marker for growth and leanness associated with boar taint odour in Belgian pig breeds. <i>Meat Science</i> , 2015, 101, 1-4.	2.7	10
63	5.5. Assessing the drinking behaviour of individual pigs using RFID registrations. , 2015, , 209-216.		2
64	Compensatory growth response and carcass quality after a period of lysine restriction in lean meat type barrows. <i>Archives of Animal Nutrition</i> , 2014, 68, 16-28.	0.9	9
65	Validation of a High Frequency Radio Frequency Identification (HF RFID) system for registering feeding patterns of growing-finishing pigs. <i>Computers and Electronics in Agriculture</i> , 2014, 102, 10-18.	3.7	69
66	The effect of different pen cleaning techniques and housing systems on indoor concentrations of particulate matter, ammonia and greenhouse gases (CO ₂ , CH ₄ , N ₂ O). <i>Livestock Science</i> , 2014, 159, 123-132.	0.6	13
67	Effect of fatty acid composition of the sow diet on the innate and adaptive immunity of the piglets after weaning. <i>Veterinary Journal</i> , 2014, 200, 287-293.	0.6	6
68	Comparison of the inter- and intra-observer repeatability of three gait-scoring scales for sows. <i>Animal</i> , 2014, 8, 650-659.	1.3	24
69	Effects of birth weight and maternal dietary fat source on the fatty acid profile of piglet tissue. <i>Animal</i> , 2014, 8, 1857-1866.	1.3	1
70	The energy and protein value of wheat, maize and blend DDGS for cattle and evaluation of prediction methods. <i>Animal</i> , 2014, 8, 1839-1850.	1.3	10
71	Effect of surgical castration, immunocastration and chicory-diet on the meat quality and palatability of boars. <i>Meat Science</i> , 2013, 94, 402-407.	2.7	46
72	Mechanical nociception thresholds in lame sows: Evidence of hyperalgesia as measured by two different methods. <i>Veterinary Journal</i> , 2013, 198, 386-390.	0.6	23

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73	Development of a system for automatic measurements of force and visual stance variables for objective lameness detection in sows: SowSIS. <i>Biosystems Engineering</i> , 2013, 116, 64-74.	1.9	36
74	Should n-3 polyunsaturated fatty acids be included in the feed of reproducing animals?. <i>Veterinary Journal</i> , 2013, 197, 525-526.	0.6	1
75	Impact of nutrition on lameness and claw health in sows. <i>Livestock Science</i> , 2013, 156, 24-35.	0.6	34
76	Orally fed seeds producing designer IgAs protect weaned piglets against enterotoxigenic <i>Escherichia coli</i> infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11809-11814.	3.3	114
77	Echium oil and linseed oil as alternatives for fish oil in the maternal diet: Blood fatty acid profiles and oxidative status of sows and piglets. <i>Journal of Animal Science</i> , 2013, 91, 3253-3264.	0.2	22
78	The Interaction Between Dietary Valine and Tryptophan Content and Their Effect on the Performance of Piglets. <i>Animals</i> , 2012, 2, 76-84.	1.0	2
79	Evaluation of various boar taint detection methods. <i>Animal</i> , 2012, 6, 1868-1877.	1.3	17
80	An experimental <i>Helicobacter suis</i> infection causes gastritis and reduced daily weight gain in pigs. <i>Veterinary Microbiology</i> , 2012, 160, 449-454.	0.8	48
81	Effect of feed processing on growth performance and gastric mucosa integrity in pigs from weaning until slaughter. <i>Animal Feed Science and Technology</i> , 2012, 175, 175-181.	1.1	22
82	Predicting the likelihood of developing boar taint: Early physical indicators in entire male pigs. <i>Meat Science</i> , 2012, 92, 382-385.	2.7	17
83	Effect of particle size distribution and dietary crude fibre content on growth performance and gastric mucosa integrity of growing-finishing pigs. <i>Veterinary Journal</i> , 2012, 192, 316-321.	0.6	35
84	Influence of soiling on boar taint in boars. <i>Meat Science</i> , 2011, 87, 175-179.	2.7	20
85	The sensitivity of Flemish citizens to androstenone: Influence of gender, age, location and smoking habits. <i>Meat Science</i> , 2011, 88, 548-552.	2.7	16
86	Effect of information provisioning on attitude toward surgical castration of male piglets and alternative strategies for avoiding boar taint. <i>Research in Veterinary Science</i> , 2011, 91, 327-332.	0.9	35
87	Influence of breed and slaughter weight on boar taint prevalence in entire male pigs. <i>Animal</i> , 2011, 5, 1283-1289.	1.3	41
88	Effect of amino acid level in the pig diet during growing and early finishing on growth response during the late finishing phase of lean meat type gilts. <i>Journal of the Science of Food and Agriculture</i> , 2011, 91, 1254-1258.	1.7	13
89	Considerations on the performance of immunocastrated male pigs. <i>Animal</i> , 2011, 5, 1119-1123.	1.3	40
90	Prediction of In Vivo Short-Chain Fatty Acid Production in Hindgut Fermenting Mammals: Problems and Pitfalls. <i>Critical Reviews in Food Science and Nutrition</i> , 2010, 50, 605-619.	5.4	19

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91	Effect of decreasing ideal protein levels on performance results and nitrogen efficiency of growing-finishing gilts. <i>Archives of Animal Nutrition</i> , 2010, 64, 1-11.	0.9	4
92	Effect of grinding intensity and crude fibre content of the feed on growth performance and gastric mucosa integrity of growing-finishing pigs. <i>Livestock Science</i> , 2010, 134, 152-154.	0.6	10
93	Absence of an effect of dietary fibre or clinoptilolite on boar taint in entire male pigs fed practical diets. <i>Meat Science</i> , 2009, 82, 346-352.	2.7	34
94	Effect of seven hours intermittent suckling and flavour recognition on piglet performance. <i>Archives of Animal Nutrition</i> , 2008, 62, 1-9.	0.9	8
95	Response of 40-70kg barrows and gilts to increasing ideal protein concentrations in the diet. <i>Archives of Animal Nutrition</i> , 2008, 62, 127-140.	0.9	5
96	Quantifying and comparing constitutive immunity across avian species. <i>Developmental and Comparative Immunology</i> , 2007, 31, 188-201.	1.0	287
97	Development and validation of a method for simultaneous analysis of the boar taint compounds indole, skatole and androstenone in pig fat using liquid chromatography-multiple mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1174, 132-137.	1.8	42
98	Food Allergy in Dogs and Cats: A Review. <i>Critical Reviews in Food Science and Nutrition</i> , 2006, 46, 259-273.	5.4	139
99	Lipid profile in eggs of Araucana hens compared with Lohmann Selected Leghorn and ISA Brown hens given diets with different fat sources. <i>British Poultry Science</i> , 2006, 47, 294-300.	0.8	37
100	Immunocompetence in organically fed finishing pigs: Effect of corn cob mix. <i>Veterinary Journal</i> , 2006, 171, 301-307.	0.6	2
101	The feeding of ad libitum dietary protein to organic growing-finishing pigs. <i>Veterinary Journal</i> , 2006, 171, 483-490.	0.6	13
102	Immunocompetence of fattening pigs fed organic versus conventional diets in organic versus conventional housing. <i>Veterinary Journal</i> , 2005, 169, 293-299.	0.6	15
103	Welfare, performance and meat quality of fattening pigs in alternative housing and management systems: a review. <i>Journal of the Science of Food and Agriculture</i> , 2005, 85, 709-719.	1.7	47
104	Evaluation of corn cob mix in organic finishing pig nutrition. <i>Journal of the Science of Food and Agriculture</i> , 2005, 85, 1543-1549.	1.7	5
105	Effects of substitution between fat and protein on feed intake and its regulatory mechanisms in broiler chickens: endocrine functioning and intermediary metabolism. <i>Poultry Science</i> , 2005, 84, 1051-1057.	1.5	54
106	Evaluation of Dry Ashing in Conjunction with Ion Chromatographic Determination of Transition Metal Ions in Pig Feed Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 1873-1877.	2.4	5
107	Performance and meat quality of organically versus conventionally fed and housed pigs from weaning till slaughtering. <i>Meat Science</i> , 2005, 69, 335-341.	2.7	36
108	The impact of prebiotics and salmonellosis on apparent nutrient digestibility and <i>Salmonella typhimurium</i> var. Copenhagen excretion in adult pigeons (<i>Columba livia domestica</i>). <i>Poultry Science</i> , 2004, 83, 1884-1890.	1.5	9

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109	Urolithiasis in finishing pigs. <i>Veterinary Journal</i> , 2004, 168, 317-322.	0.6	21
110	Performance, meat and carcass traits of fattening pigs with organic versus conventional housing and nutrition. <i>Livestock Science</i> , 2004, 87, 109-119.	1.2	45
111	Tomatoes have natural anti-thrombotic effects. <i>British Journal of Nutrition</i> , 2003, 90, 1031-1038.	1.2	104