

Sam Millet

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

2,448
citations

218592

26
h-index

243529

44
g-index

114
all docs

114
docs citations

114
times ranked

2501
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying and comparing constitutive immunity across avian species. <i>Developmental and Comparative Immunology</i> , 2007, 31, 188-201.	1.0	287
2	Food Allergy in Dogs and Cats: A Review. <i>Critical Reviews in Food Science and Nutrition</i> , 2006, 46, 259-273.	5.4	139
3	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
4	Tomatoes have natural anti-thrombotic effects. <i>British Journal of Nutrition</i> , 2003, 90, 1031-1038.	1.2	104
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	The effect of GnRH vaccination on performance, carcass, and meat quality and hormonal regulation in boars, barrows, and gilts. <i>Journal of Animal Science</i> , 2016, 94, 2811-2820.	0.2	44
13	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
14	Influence of breed and slaughter weight on boar taint prevalence in entire male pigs. <i>Animal</i> , 2011, 5, 1283-1289.	1.3	41
15	Considerations on the performance of immunocastrated male pigs. <i>Animal</i> , 2011, 5, 1119-1123.	1.3	40
16	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
17	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
18	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

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19	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
20	Effect of particle size distribution and dietary crude fibre content on growth performance and gastric mucosa integrity of growingâ€“finishing pigs. <i>Veterinary Journal</i> , 2012, 192, 316-321.	0.6	35
21	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
22	Impact of nutrition on lameness and claw health in sows. <i>Livestock Science</i> , 2013, 156, 24-35.	0.6	34
23	Review: Pork production with maximal nitrogen efficiency. <i>Animal</i> , 2018, 12, 1060-1067.	1.3	34
24	Sustainability of Pork Production with Immunocastration in Europe. <i>Sustainability</i> , 2019, 11, 3335.	1.6	33
25	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
26	Dietary fibre enrichment of supplemental feed modulates the development of the intestinal tract in suckling piglets. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 83.	2.1	25
27	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
28	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
29	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
30	Online warning systems for individual fattening pigs based on their feeding pattern. <i>Biosystems Engineering</i> , 2018, 173, 143-156.	1.9	23
31	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
32	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
33	Urolithiasis in finishing pigs. <i>Veterinary Journal</i> , 2004, 168, 317-322.	0.6	21
34	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
35	Influence of soiling on boar taint in boars. <i>Meat Science</i> , 2011, 87, 175-179.	2.7	20
36	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

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37	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
38	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
39	Evaluation of various boar taint detection methods. <i>Animal</i> , 2012, 6, 1868-1877.	1.3	17
40	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
41	Factors affecting mechanical nociceptive thresholds in healthy sows. <i>Veterinary Anaesthesia and Analgesia</i> , 2016, 43, 343-355.	0.3	17
42	On farm intervention studies on reduction of boar taint prevalence: Feeding strategies, presence of gilts and time in lairage. <i>Research in Veterinary Science</i> , 2018, 118, 508-516.	0.9	17
43	Effect of ventilation control settings on ammonia and odour emissions from a pig rearing building. <i>Biosystems Engineering</i> , 2020, 192, 215-231.	1.9	17
44	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
45	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
46	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
47	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
48	The feeding of ad libitum dietary protein to organic growing-finishing pigs. <i>Veterinary Journal</i> , 2006, 171, 483-490.	0.6	13
49	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
50	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
51	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
52	Effect of grinding intensity and pelleting of the diet on indoor particulate matter concentrations and growth performance of weanling pigs. <i>Journal of Animal Science</i> , 2015, 93, 627-636.	0.2	12
53	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
54	Effect of ventilation settings on ammonia emission in an experimental pig house equipped with artificial pigs. <i>Biosystems Engineering</i> , 2018, 176, 125-139.	1.9	12

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55	Monitoring of behavior, sex hormones and boar taint compounds during the vaccination program for immunocastration in three sire lines. <i>Research in Veterinary Science</i> , 2019, 124, 293-302.	0.9	12
56	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
57	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
58	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
59	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
60	Effect of grinding intensity and crude fibre content of the feed on growth performance and gastric mucosa integrity of growingâ€“finishing pigs. <i>Livestock Science</i> , 2010, 134, 152-154.	0.6	10
61	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
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	Repeated disinfectant use in broiler houses and pig nursery units does not affect disinfectant and antibiotic susceptibility in <i>Escherichia coli</i> field isolates. <i>BMC Veterinary Research</i> , 2020, 16, 140.	0.7	10
64	Fibre supplementation to preâ€“weaning piglet diets did not improve the resilience towards a postâ€“weaning enterotoxigenic <i>E. coli</i> challenge. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2021, 105, 260-271.	1.0	10
65	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
66	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
67	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
68	An intervention study demonstrates effects of genotype on boar taint and performances of growingâ€“finishing pigs. <i>Journal of Animal Science</i> , 2015, 93, 934.	0.2	9
69	Effect of rubber flooring on group-housed sows' gait and claw and skin lesions1. <i>Journal of Animal Science</i> , 2016, 94, 2086-2096.	0.2	9
70	Impact of parity on bone metabolism throughout the reproductive cycle in sows. <i>Animal</i> , 2016, 10, 1714-1721.	1.3	9
71	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
72	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

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73	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
74	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
75	Effect of locomotion score on sows' performances in a feed reward collection test. <i>Animal</i> , 2015, 9, 1698-1703.	1.3	7
76	Evaluation of sampling strategies for estimating ammonia emission factors for pig fattening facilities. <i>Biosystems Engineering</i> , 2015, 140, 79-90.	1.9	7
77	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
78	On-Farm Claw Scoring in Sows Using a Novel Mobile Device. <i>Sensors</i> , 2019, 19, 1473.	2.1	6
79	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
80	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
81	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
82	Response of 40-70 kg barrows and gilts to increasing ideal protein concentrations in the diet. <i>Archives of Animal Nutrition</i> , 2008, 62, 127-140.	0.9	5
83	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
84	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
85	Performance and carcass, loin and ham quality in crossbreds from three terminal sire lines. <i>Meat Science</i> , 2020, 167, 108158.	2.7	5
86	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
87	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
88	Evaluation of performance models for farm-specific optimization of pig production. <i>Livestock Science</i> , 2017, 201, 99-108.	0.6	4
89	Stakeholder-driven modelling the impact of animal profile and market conditions on optimal delivery weight in growing-finishing pig production. <i>Agricultural Systems</i> , 2018, 162, 34-45.	3.2	4
90	Association between methylation potential and nutrient metabolism throughout the reproductive cycle of sows. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 858-867.	1.0	4

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91	On-farm prevalence of and potential risk factors for boar taint. <i>Animal</i> , 2021, 15, 100141.	1.3	4
92	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
93	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
94	Optimising finishing pig delivery weight: participatory decision problem analysis. <i>Animal Production Science</i> , 2018, 58, 1141.	0.6	3
95	The effect of PiÅ©train sire on the performance of the progeny of two commercial dam breeds: a pig intervention study. <i>Animal</i> , 2019, 13, 2125-2132.	1.3	3
96	Developing and Understanding Olfactory Evaluation of Boar Taint. <i>Animals</i> , 2020, 10, 1684.	1.0	3
97	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
98	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
99	Immunocompetence in organically fed finishing pigs: Effect of corn cob mix. <i>Veterinary Journal</i> , 2006, 171, 301-307.	0.6	2
100	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
101	Factors influencing claw lesion scoring in sows. <i>Preventive Veterinary Medicine</i> , 2020, 175, 104859.	0.7	2
102	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
103	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
104	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
105	5.5. Assessing the drinking behaviour of individual pigs using RFID registrations. , 2015, , 209-216.		2
106	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
107	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
108	The nutritive value of condensed wheat distillers solubles for cattle. <i>Animal</i> , 2016, 10, 1955-1964.	1.3	1

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109	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
110	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
111	The effects of salt and protein level on the performance and fecal consistency of piglets between 4 and 9 weeks of age. Livestock Science, 2021, 247, 104478.	0.6	1