

Kenneth J Stalder

List of Publications by Year in descending order

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98
papers

2,308
citations

257429

24
h-index

265191

42
g-index

104
all docs

104
docs citations

104
times ranked

1946
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-Wide Association Study Identifies Loci for Body Composition and Structural Soundness Traits in Pigs. PLoS ONE, 2011, 6, e14726.	2.5	189
2	A whole-genome association study for pig reproductive traits. Animal Genetics, 2012, 43, 18-26.	1.7	152
3	Influence of lipid content on pork sensory quality within pH classification1. Journal of Animal Science, 2007, 85, 1074-1079.	0.5	104
4	Effects of breed, sex, and halothane genotype on fatty acid composition of pork longissimus muscle1. Journal of Animal Science, 2007, 85, 583-591.	0.5	80
5	Nitrogen-Corrected Apparent Metabolizable Energy Value of Crude Glycerol for Laying Hens. Poultry Science, 2008, 87, 104-107.	3.4	74
6	Whole-genome association analyses for lifetime reproductive traits in the pig. Journal of Animal Science, 2011, 89, 988-995.	0.5	74
7	The value of precision feeding technologies for grow-finish swine. Livestock Science, 2010, 129, 13-23.	1.6	68
8	Factors associated with fatigued, injured, and dead pig frequency during transport and lairage at a commercial abattoir1. Journal of Animal Science, 2009, 87, 1156-1166.	0.5	66
9	Large-scale association study for structural soundness and leg locomotion traits in the pig. Genetics Selection Evolution, 2009, 41, 14.	3.0	52
10	National Pork Producers Council Maternal Line National Genetic Evaluation Program: A comparison of sow longevity and trait associations with sow longevity1. Journal of Animal Science, 2006, 84, 2590-2595.	0.5	48
11	A descriptive survey of lesions from cull sows harvested at two Midwestern U.S. facilities. Preventive Veterinary Medicine, 2007, 82, 198-212.	1.9	48
12	Association of calf growth traits with production characteristics in dairy cattle. Journal of Dairy Science, 2016, 99, 8347-8355.	3.4	48
13	Pharmacokinetics of flunixin meglumine in mature swine after intravenous, intramuscular and oral administration. BMC Veterinary Research, 2013, 9, 165.	1.9	46
14	Factors associated with sow stayability in 6 genotypes1. Journal of Animal Science, 2010, 88, 3486-3492.	0.5	42
15	Nitrogen Excretion and Ammonia Emissions from Pigs Fed Modified Diets. Journal of Environmental Quality, 2006, 35, 1297-1308.	2.0	40
16	Validation of a lameness model in sows using physiological and mechanical measurements1. Journal of Animal Science, 2013, 91, 130-136.	0.5	40
17	Genetic associations for gilt growth, compositional, and structural soundness traits with sow longevity and lifetime reproductive performance1. Journal of Animal Science, 2013, 91, 1570-1579.	0.5	39
18	Results from six generations of selection for intramuscular fat in Duroc swine using real-time ultrasound. I. Direct and correlated phenotypic responses to selection1. Journal of Animal Science, 2009, 87, 2774-2780.	0.5	38

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19	The effect of hoof abnormalities on sow behavior and performance. <i>Livestock Science</i> , 2012, 145, 230-238.	1.6	38
20	Associations between two gene markers and indicator traits affecting fresh and dry-cured ham processing quality. <i>Meat Science</i> , 2005, 69, 451-457.	5.5	31
21	Length of productive life of crossbred sows is affected by farm management, leg conformation, sow's own prolificacy, sow's origin parity and genetics. <i>Animal</i> , 2007, 1, 745-750.	3.3	30
22	Effect of growth and compositional traits on first parity and lifetime reproductive performance in U.S. Landrace sows. <i>Livestock Science</i> , 2005, 97, 151-159.	1.2	29
23	Effects of drying methods on nitrogen and energy concentrations in pig feces and urine, and poultry excreta ¹ . <i>Journal of Animal Science</i> , 2011, 89, 2624-2630.	0.5	28
24	Measuring the efficacy of flunixin meglumine and meloxicam for lame sows using nociceptive threshold tests. <i>Animal Welfare</i> , 2014, 23, 219-229.	0.7	28
25	Genetic (co)variances and breeding value estimation of Gompertz growth curve parameters in Finnish Yorkshire boars, gilts and barrows. <i>Journal of Animal Breeding and Genetics</i> , 2008, 125, 168-175.	2.0	26
26	Results from six generations of selection for intramuscular fat in Duroc swine using real-time ultrasound. II. Genetic parameters and trends ¹ . <i>Journal of Animal Science</i> , 2010, 88, 69-79.	0.5	26
27	Pressure algometry and thermal sensitivity for assessing pain sensitivity and effects of flunixin meglumine and sodium salicylate in a transient lameness model in sows. <i>Livestock Science</i> , 2013, 157, 245-253.	1.6	26
28	Net Present Value Analysis of Sow Longevity and the Economic Sensitivity of Net Present Value to Changes in Production, Market Price, Feed Cost, and Replacement Gilt Costs in a Farrow-to-Finish Operation. <i>The Professional Animal Scientist</i> , 2000, 16, 33-40.	0.7	25
29	Genetic associations of sow longevity with age at first farrowing, number of piglets weaned, and wean to insemination interval in the Finnish Landrace swine population ¹ . <i>Journal of Animal Science</i> , 2008, 86, 3324-3329.	0.5	25
30	Kinematics as objective tools to evaluate lameness phases in multiparous sows. <i>Livestock Science</i> , 2014, 165, 120-128.	1.6	25
31	Pharmacokinetics of meloxicam in mature swine after intravenous and oral administration. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2015, 38, 265-270.	1.3	25
32	Measuring the efficacy of flunixin meglumine and meloxicam for lame sows using a GAITFour pressure mat and an embedded microcomputer-based force plate system ¹ . <i>Journal of Animal Science</i> , 2015, 93, 2100-2110.	0.5	25
33	The Correlation of Chemical and Physical Corn Kernel Traits with Production Performance in Broiler Chickens and Laying Hens. <i>Poultry Science</i> , 2008, 87, 665-676.	3.4	24
34	2011 AND 2012 EARLY CAREERS ACHIEVEMENT AWARDS: Farm and pig factors affecting welfare during the marketing process ^{1,2} . <i>Journal of Animal Science</i> , 2013, 91, 2481-2491.	0.5	24
35	Impact of dominance effects on sow longevity. <i>Journal of Animal Breeding and Genetics</i> , 2006, 123, 355-361.	2.0	23
36	Litter-of-origin trait effects on gilt development ¹ . <i>Journal of Animal Science</i> , 2016, 94, 96-105.	0.5	23

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37	Genetic markers for the production of US country hams. <i>Journal of Animal Breeding and Genetics</i> , 2008, 125, 248-257.	2.0	21
38	Effects of breed, sex and halothane genotype on fatty acid composition of triacylglycerols and phospholipids in pork longissimus muscle. <i>Journal of Animal Breeding and Genetics</i> , 2009, 126, 259-268.	2.0	21
39	Variance components and heritabilities for sow productivity traits estimated from purebred versus crossbred sows. <i>Journal of Animal Breeding and Genetics</i> , 2005, 122, 318-324.	2.0	20
40	Deposition rates and accretion patterns of intramuscular fat, loin muscle area, and backfat of Duroc pigs sired by boars from two time periods ¹ . <i>Journal of Animal Science</i> , 2007, 85, 1540-1546.	0.5	20
41	Evaluation of Current Reasons for Removal of Sows from Commercial Farms. <i>The Professional Animal Scientist</i> , 2009, 25, 1-7.	0.7	20
42	Behavioural evaluation of analgesic efficacy for pain mitigation in lame sows. <i>Animal Welfare</i> , 2015, 24, 93-99.	0.7	20
43	Wean-to-finish feeder space availability effects on nursery and finishing pig performance and total tract digestibility in a commercial setting when feeding dried distillers grains with solubles ¹ . <i>Journal of Animal Science</i> , 2015, 93, 1905-1915.	0.5	20
44	Short communication: The effect of 4 antiseptic compounds on umbilical cord healing and infection rates in the first 24 hours in dairy calves from a commercial herd. <i>Journal of Dairy Science</i> , 2015, 98, 5726-5728.	3.4	20
45	Effects of Facility System Design on the Stress Responses and Market Losses of Market Weight Pigs During Loading and Unloading ¹ . <i>The Professional Animal Scientist</i> , 2010, 26, 9-17.	0.7	19
46	Genetic analysis of sow longevity and sow lifetime reproductive traits using censored data. <i>Journal of Animal Breeding and Genetics</i> , 2016, 133, 138-144.	2.0	18
47	Phenotypic correlations among quality traits of fresh and dry-cured hams. <i>Meat Science</i> , 2007, 77, 182-189.	5.5	17
48	Identification of genetic markers associated with fatness and leg weakness traits in the pig. <i>Animal Genetics</i> , 2009, 40, 967-970.	1.7	17
49	Impact of an experimental <i>PRRSV</i> and <i>S. treptococcus suis</i> coinfection on the pharmacokinetics of ceftiofur hydrochloride after intramuscular injection in pigs. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2015, 38, 475-481.	1.3	17
50	Economic values of pork production related traits in Finland. <i>Agricultural and Food Science</i> , 2007, 16, 79.	0.9	17
51	The correlation of chemical and physical corn kernel traits with growth performance and carcass characteristics in pigs ¹ . <i>Journal of Animal Science</i> , 2008, 86, 592-601.	0.5	16
52	Age at puberty, ovulation rate, and uterine length of developing gilts fed two lysine and three metabolizable energy concentrations from 100 to 260 d of age ¹ . <i>Journal of Animal Science</i> , 2015, 93, 3521-3527.	0.5	16
53	Accuracy of sow culling classifications reported by lay personnel on commercial swine farms. <i>Journal of the American Veterinary Medical Association</i> , 2007, 231, 433-436.	0.5	15
54	Evaluation of the Thin Agar Layer Method for the Recovery of Pressure-Injured and Heat-Injured <i>Listeria monocytogenes</i> . <i>Journal of Food Protection</i> , 2014, 77, 828-831.	1.7	14

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55	Using classification trees to detect induced sow lameness with a transient model. <i>Animal</i> , 2014, 8, 1000-1009.	3.3	14
56	Identification of genetic markers for productive life in commercial sows ¹ . <i>Journal of Animal Science</i> , 2009, 87, 2187-2195.	0.5	13
57	The Accuracy and Repeatability of Sow Body Condition Scoring ¹ . <i>The Professional Animal Scientist</i> , 2009, 25, 415-425.	0.7	13
58	Comparison among gilts, physical castrates, entire males, and immunological castrates in terms of growth performance, nitrogen and phosphorus retention, and carcass fat iodine value ¹ . <i>Journal of Animal Science</i> , 2015, 93, 5702-5710.	0.5	13
59	Genetic parameters for growth, body composition, and structural soundness traits in commercial gilts ¹ . <i>Journal of Animal Science</i> , 2013, 91, 2034-2046.	0.5	12
60	Using first and second parity number born alive information to estimate later reproductive performance in sows. <i>Livestock Science</i> , 2017, 196, 22-27.	1.6	12
61	Effects of Presorting on Stress Responses at Loading and Unloading and the Impact on Transport Losses from Market-Weight Pigs ¹ . <i>The Professional Animal Scientist</i> , 2010, 26, 603-610.	0.7	11
62	Total cost estimation for implementing genome-enabled selection in a multi-level swine production system. <i>Genetics Selection Evolution</i> , 2014, 46, 32.	3.0	10
63	Genetic and phenotypic relationships among reproductive and post-weaning traits from a commercial swine breeding company. <i>Livestock Science</i> , 2012, 145, 183-188.	1.6	9
64	Validating behavioral sampling techniques for lame sows administered flunixin meglumine and meloxicam. <i>Livestock Science</i> , 2016, 191, 103-107.	1.6	9
65	Genetic relationship between purebred and crossbred sow longevity. <i>Journal of Animal Science and Biotechnology</i> , 2016, 7, 51.	5.3	9
66	Loading gantry versus traditional chute for the finisher pig: Effect on welfare at the time of loading and performance measures and transport losses at the harvest facility ¹ . <i>Journal of Animal Science</i> , 2012, 90, 4028-4036.	0.5	8
67	Estimation of deviations from predicted lactation feed intake and the effect on reproductive performance. <i>Livestock Science</i> , 2013, 154, 184-192.	1.6	8
68	The use of a covariate reduces experimental error in nutrient digestion studies in growing pigs ¹ . <i>Journal of Animal Science</i> , 2013, 91, 804-810.	0.5	7
69	Measuring birth weight and umbilical cord diameter at birth to predict subsequent performance in swine. <i>Translational Animal Science</i> , 2021, 5, txa214.	1.1	7
70	Using the Genetic Lag Value to Determine the Optimal Maximum Parity for Culling in Commercial Swine Breeding Herds ¹ . <i>The Professional Animal Scientist</i> , 2010, 26, 404-411.	0.7	6
71	Establishing Sprinkling Requirements on Trailers Transporting Market Weight Pigs in Warm and Hot Weather. <i>Animals</i> , 2014, 4, 164-183.	2.3	6
72	Optimal dietary energy and amino acids for gilt development: Growth, body composition, feed intake, and carcass composition traits. <i>Journal of Animal Science</i> , 2015, 93, 1187.	0.5	6

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73	An Economic Analysis of Feeding Cull Sows11This paper of the Iowa Agriculture and Home Economics Experiment Station, Ames, Iowa, Project No. 3801, was supported by Hatch Act and State of Iowa Funds. Additional funding was provided by the National Pork Board, Project No. (05-081).. The Professional Animal Scientist, 2008, 24, 355-362.	0.7	5
74	The <i>COL9A1</i> gene is associated with longissimus dorsi muscle area in the pig. Animal Genetics, 2009, 40, 788-788.	1.7	5
75	SREBP pathway genes as candidate markers in country ham production. Italian Journal of Animal Science, 2010, 9, e7.	1.9	5
76	Effects of a premolt calcium and low-energy molt program on laying hen behavior and heterophil-to-lymphocyte ratios. Poultry Science, 2010, 89, 2317-2325.	3.4	5
77	Effects of grow-finish group size on stress responses at loading and unloading and the effect on transport losses from market-weight pigs1. The Professional Animal Scientist, 2011, 27, 477-484.	0.7	5
78	Effects of a premolt calcium and low-energy molt program on laying hen performance, egg quality, and economics. Poultry Science, 2012, 91, 292-303.	3.4	4
79	Relationship between litters per sow per year sire breeding values and sire progeny means for farrowing rate, removal parity and lifetime born alive. Journal of Animal Breeding and Genetics, 2013, 130, 64-71.	2.0	4
80	Establishing Bedding Requirements on Trailers Transporting Market Weight Pigs in Warm Weather. Animals, 2014, 4, 476-493.	2.3	4
81	Development and refinement of a technique for short-term intravascular auricular vein catheter placement in mature sows. Laboratory Animals, 2014, 48, 78-81.	1.0	4
82	Sow behavioral responses to transient, chemically induced synovitis lameness. Acta Agriculturae Scandinavica - Section A: Animal Science, 2015, 65, 122-125.	0.2	4
83	How do sow postures change when lameness is induced using a chemical synovitis model?. Livestock Science, 2016, 192, 55-59.	1.6	4
84	Dynamic space utilization for lame and non-lame gestating sows estimated by the lying-standing sequence. Livestock Science, 2019, 223, 1-7.	1.6	3
85	Characterization of the lying and rising sequence in lame and non-lame sows. Applied Animal Behaviour Science, 2020, 226, 104976.	1.9	3
86	Development of an Air Sparged Continuous Flow Reactor for Struvite Precipitation from Two Different Liquid Swine Manure Storage Systems. , 2007, , .		2
87	Objective evaluation of female feet and leg joint conformation at time of selection and post first parity in swine1. Journal of Animal Science, 2018, 96, 3549-3557.	0.5	2
88	Genetic evaluation of sow survival in Thailand commercial farms using random regression models. Livestock Science, 2020, 233, 103970.	1.6	2
89	Identifying early indicator traits for sow longevity using a linear-threshold model in Thai Large White and Landrace females. Animal Bioscience, 2021, 34, 20-25.	2.0	2
90	The Use of Attractants to Stimulate Neonatal Piglet Interest in Rope Enrichment. Animals, 2022, 12, 211.	2.3	2

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91	Breeding Values, Accuracies, and Rank Changes Using Purebred and Combined Purebred and Crossbred Information in Swine. <i>The Professional Animal Scientist</i> , 2006, 22, 183-188.	0.7	1
92	Influence of corn co-products on the behavioral repertoire of growing-finishing swine. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2008, 58, 209-213.	0.2	1
93	Cull sow knife-separable lean content evaluation at harvest and lean mass content prediction equation development. <i>Meat Science</i> , 2012, 91, 312-317.	5.5	1
94	Flooring preference and behavior in sound and lame sows. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2016, 66, 115-118.	0.2	1
95	Effects of Removal and Remixing of Heavyweight Pigs on Performance to Slaughter Weights ^{11A} contribution of the University of Nebraska Agricultural Research Division, Lincoln, NE 68583. Journal series no. 14679. <i>The Professional Animal Scientist</i> , 2006, 22, 189-193.	0.7	0
96	U.S. Products. , 0, , 369-386.		0
97	Effect of Environmental Factors on the Frequency of Fatigued, Injured, and Dead Pigs at a Commercial Abattoir. , 2008, , .		0
98	Risky behaviors performed by the piglet 72 hours after parturition that can contribute to pre-weaning mortality when housed in farrowing huts. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2009, 59, 53-58.	0.2	0