Jay S Johnson

List of Publications by Year
in descending order

38 papers	835 citations	623734 14 h-index	501196 28 g-index
38 all docs	38 docs citations	38 times ranked	726 citing authors

#	Article	IF	Citations
1	Characterizing the effect of incrementally increasing dry bulb temperature on linear and nonlinear measures of heart rate variability in nonpregnant, mid-gestation, and late-gestation sows. Journal of Animal Science, 2022, 100, .	0.5	2
2	Electronically controlled cooling pads can improve litter growth performance and indirect measures of milk production in heat-stressed lactating sows. Journal of Animal Science, 2022, 100, .	0.5	2
3	In Utero Heat Stress Has Minimal Impacts on Processed Pork Products: A Comparative Study. Foods, 2022, 11, 1222.	4.3	2
4	Technical Note: A procedure to place urinary catheters in 1- and 6-week-old preweaned Holstein heifer calves for the in vivo evaluation of intestinal permeability. Journal of Animal Science, 2022, 100, .	0.5	1
5	Impact of L-glutamine as replacement of dietary antibiotics during post weaning and transport recovery on carcass and meat quality attributes in pigs. Livestock Science, 2021, 244, 104350.	1.6	4
6	Effects of Feed Removal during Acute Heat Stress on the Cytokine Response and Short-Term Growth Performance in Finishing Pigs. Animals, 2021, 11, 205.	2.3	2
7	Elucidating the involvement of apoptosis in postmortem proteolysis in porcine muscles from two production cycles using metabolomics approach. Scientific Reports, 2021, 11, 3465.	3.3	5
8	Impacts of in Utero Heat Stress on Carcass and Meat Quality Traits of Market Weight Gilts. Animals, 2021, 11, 717.	2.3	6
9	Replacing dietary antibiotics with 0.20% <scp>l</scp>-glutamine in swine nursery diets: impact on intestinal physiology and the microbiome following weaning and transport. Journal of Animal Science, 2021, 99, .	0.5	5
10	Thermoregulatory and physiological responses of nonpregnant, mid-gestation, and late-gestation sows exposed to incrementally increasing dry bulb temperature. Journal of Animal Science, 2021, 99, .	0.5	9
11	Evaluation of sow thermal preference across three stages of reproduction. Journal of Animal Science, 2021, 99, .	0.5	16
12	Characterizing the postnatal hypothalamicâ€“pituitaryâ€“adrenal axis response of in utero heat stressed pigs at 10 and 15Âweeks of age. Scientific Reports, 2021, 11, 22527.	3.3	3
13	Time course determination of the effects of rapid and gradual cooling after acute hyperthermia on body temperature and intestinal integrity in pigs. Journal of Thermal Biology, 2020, 87, 102481.	2.5	10
14	Evaluation and mitigation of the effects of in utero heat stress on piglet growth performance, postabsorptive metabolism, and stress response following weaning and transport. Journal of Animal Science, 2020, 98, .	0.5	11
15	Effects of increasing dietary L-glutamine to replace antibiotics on pig health and performance following weaning and transport. Translational Animal Science, 2020, 4, txaa157.	1.1	10
16	234 In utero heat stress alters the postnatal immune and metabolic response of growing pigs subjected to a lipopolysaccharide challenge. Journal of Animal Science, 2020, 98, 116-116.	0.5	3
17	Large-Scale Phenotyping of Livestock Welfare in Commercial Production Systems: A New Frontier in Animal Breeding. Frontiers in Genetics, 2020, 11, 793.	2.3	67
18	Replacing dietary antibiotics with 0.20% l-glutamine and synbiotics following weaning and transport in pigs. Journal of Animal Science, 2020, 98, .	0.5	8

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19	In utero heat stress alters the postnatal innate immune response of pigs. Journal of Animal Science, 2020, 98, .	0.5	9
20	Effects of feed removal on thermoregulation and intestinal morphology in pigs recovering from acute hyperthermia. Journal of Animal Science, 2020, 98, .	0.5	6
21	Effects of Three Distinct 2-Week Long Diet Strategies After Transport on Weaned Pigs' Short and Long-Term Welfare Markers, Behaviors, and Microbiota. Frontiers in Veterinary Science, 2020, 7, 140.	2.2	8
22	In utero heat stress alters postnatal phenotypes in swine. Theriogenology, 2020, 154, 110-119.	2.1	28
23	PHYSIOLOGY SYMPOSIUM: Postnatal consequences of in utero heat stress in pigs1,2. Journal of Animal Science, 2019, 97, 962-971.	0.5	30
24	Effects of pen location on thermoregulation and growth performance in grow-finish pigs during late summer1. Translational Animal Science, 2019, 3, 1375-1382.	1.1	9
25	Evaluating the Effects of In Utero Heat Stress on Piglet Physiology and Behavior Following Weaning and Transport. Animals, 2019, 9, 191.	2.3	8
26	Technical note: development of an indirect calorimetry system to determine heat production in individual lactating sows1. Journal of Animal Science, 2019, 97, 1609-1618.	0.5	13
27	Replacing dietary antibiotics with 0.20% L-glutamine in swine nursery diets: Impact on health and productivity of pigs following weaning and transport. Journal of Animal Science, 2019, 97, 2035-2052.	0.5	20
28	Effect of Floor Cooling on Behavior and Heart Rate of Late Lactation Sows Under Acute Heat Stress. Frontiers in Veterinary Science, 2018, 5, 223.	2.2	41
29	Heat stress: impact on livestock well-being and productivity and mitigation strategies to alleviate the negative effects. Animal Production Science, 2018, 58, 1404.	1.3	57
30	Early life thermal stress: Impact on future thermotolerance, stress response, behavior, and intestinal morphology in piglets exposed to a heat stress challenge during simulated transport1. Journal of Animal Science, 2018, 96, 1640-1653.	0.5	23
31	Characterizing body temperature and activity changes at the onset of estrus in replacement gilts. Livestock Science, 2017, 199, 22-24.	1.6	17
32	Effects of Nesting Material on Energy Homeostasis in BALB/cAnNCrl, C57BL/6NCrl, and Crl:CD1(ICR) Mice Housed at 20 Â°C. Journal of the American Association for Laboratory Animal Science, 2017, 56, 254-259.	1.2	9
33	Rapid cooling after acute hyperthermia alters intestinal morphology and increases the systemic inflammatory response in pigs. Journal of Applied Physiology, 2016, 120, 1249-1259.	2.5	37
34	Effects of rapid temperature fluctuations prior to breeding on reproductive efficiency in replacement gilts. Journal of Thermal Biology, 2016, 61, 29-37.	2.5	14
35	The impact of in utero heat stress and nutrient restriction on progeny body composition. Journal of Thermal Biology, 2015, 53, 143-150.	2.5	16
36	Gestational Heat Stress Alters Postnatal Offspring Body Composition Indices and Metabolic Parameters in Pigs. PLoS ONE, 2014, 9, e110859.	2.5	56

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37	Effects of mammalianin uteroheat stress on adolescent body temperature. International Journal of Hyperthermia, 2013, 29, 696-702.	2.5	33
38	Heat Stress Reduces Intestinal Barrier Integrity and Favors Intestinal Glucose Transport in Growing Pigs. PLoS ONE, 2013, 8, e70215.	2.5	235