

# Jay S Johnson

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Heat Stress Reduces Intestinal Barrier Integrity and Favors Intestinal Glucose Transport in Growing Pigs. <i>PLoS ONE</i> , 2013, 8, e70215.	2.5	235
2	Large-Scale Phenotyping of Livestock Welfare in Commercial Production Systems: A New Frontier in Animal Breeding. <i>Frontiers in Genetics</i> , 2020, 11, 793.	2.3	67
3	Heat stress: impact on livestock well-being and productivity and mitigation strategies to alleviate the negative effects. <i>Animal Production Science</i> , 2018, 58, 1404.	1.3	57
4	Gestational Heat Stress Alters Postnatal Offspring Body Composition Indices and Metabolic Parameters in Pigs. <i>PLoS ONE</i> , 2014, 9, e110859.	2.5	56
5	Effect of Floor Cooling on Behavior and Heart Rate of Late Lactation Sows Under Acute Heat Stress. <i>Frontiers in Veterinary Science</i> , 2018, 5, 223.	2.2	41
6	Rapid cooling after acute hyperthermia alters intestinal morphology and increases the systemic inflammatory response in pigs. <i>Journal of Applied Physiology</i> , 2016, 120, 1249-1259.	2.5	37
7	Effects of mammalian in utero heat stress on adolescent body temperature. <i>International Journal of Hyperthermia</i> , 2013, 29, 696-702.	2.5	33
8	PHYSIOLOGY SYMPOSIUM: Postnatal consequences of in utero heat stress in pigs <sup>1,2</sup> . <i>Journal of Animal Science</i> , 2019, 97, 962-971.	0.5	30
9	In utero heat stress alters postnatal phenotypes in swine. <i>Theriogenology</i> , 2020, 154, 110-119.	2.1	28
10	Early life thermal stress: Impact on future thermotolerance, stress response, behavior, and intestinal morphology in piglets exposed to a heat stress challenge during simulated transport <sup>1</sup> . <i>Journal of Animal Science</i> , 2018, 96, 1640-1653.	0.5	23
11	Replacing dietary antibiotics with 0.20% L-glutamine in swine nursery diets: Impact on health and productivity of pigs following weaning and transport. <i>Journal of Animal Science</i> , 2019, 97, 2035-2052.	0.5	20
12	Characterizing body temperature and activity changes at the onset of estrus in replacement gilts. <i>Livestock Science</i> , 2017, 199, 22-24.	1.6	17
13	The impact of in utero heat stress and nutrient restriction on progeny body composition. <i>Journal of Thermal Biology</i> , 2015, 53, 143-150.	2.5	16
14	Evaluation of sow thermal preference across three stages of reproduction. <i>Journal of Animal Science</i> , 2021, 99, .	0.5	16
15	Effects of rapid temperature fluctuations prior to breeding on reproductive efficiency in replacement gilts. <i>Journal of Thermal Biology</i> , 2016, 61, 29-37.	2.5	14
16	Technical note: development of an indirect calorimetry system to determine heat production in individual lactating sows <sup>1</sup> . <i>Journal of Animal Science</i> , 2019, 97, 1609-1618.	0.5	13
17	Evaluation and mitigation of the effects of in utero heat stress on piglet growth performance, postabsorptive metabolism, and stress response following weaning and transport. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	11
18	Time course determination of the effects of rapid and gradual cooling after acute hyperthermia on body temperature and intestinal integrity in pigs. <i>Journal of Thermal Biology</i> , 2020, 87, 102481.	2.5	10

#	ARTICLE	IF	CITATIONS
19	Effects of increasing dietary L-glutamine to replace antibiotics on pig health and performance following weaning and transport. <i>Translational Animal Science</i> , 2020, 4, txa157.	1.1	10
20	Effects of pen location on thermoregulation and growth performance in grow-finish pigs during late summer. <i>Translational Animal Science</i> , 2019, 3, 1375-1382.	1.1	9
21	In utero heat stress alters the postnatal innate immune response of pigs. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	9
22	Thermoregulatory and physiological responses of nonpregnant, mid-gestation, and late-gestation sows exposed to incrementally increasing dry bulb temperature. <i>Journal of Animal Science</i> , 2021, 99, .	0.5	9
23	Effects of Nesting Material on Energy Homeostasis in BALB/cAnNCrI, C57BL/6NCrI, and CrI:CD1(ICR) Mice Housed at 20 °C. <i>Journal of the American Association for Laboratory Animal Science</i> , 2017, 56, 254-259.	1.2	9
24	Evaluating the Effects of In Utero Heat Stress on Piglet Physiology and Behavior Following Weaning and Transport. <i>Animals</i> , 2019, 9, 191.	2.3	8
25	Replacing dietary antibiotics with 0.20% L-glutamine and synbiotics following weaning and transport in pigs. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	8
26	Effects of Three Distinct 2-Week Long Diet Strategies After Transport on Weaned Pigs' Short and Long-Term Welfare Markers, Behaviors, and Microbiota. <i>Frontiers in Veterinary Science</i> , 2020, 7, 140.	2.2	8
27	Effects of feed removal on thermoregulation and intestinal morphology in pigs recovering from acute hyperthermia. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	6
28	Impacts of in Utero Heat Stress on Carcass and Meat Quality Traits of Market Weight Gilts. <i>Animals</i> , 2021, 11, 717.	2.3	6
29	Elucidating the involvement of apoptosis in postmortem proteolysis in porcine muscles from two production cycles using metabolomics approach. <i>Scientific Reports</i> , 2021, 11, 3465.	3.3	5
30	Replacing dietary antibiotics with 0.20% L-glutamine in swine nursery diets: impact on intestinal physiology and the microbiome following weaning and transport. <i>Journal of Animal Science</i> , 2021, 99, .	0.5	5
31	Impact of L-glutamine as replacement of dietary antibiotics during post weaning and transport recovery on carcass and meat quality attributes in pigs. <i>Livestock Science</i> , 2021, 244, 104350.	1.6	4
32	234 In utero heat stress alters the postnatal immune and metabolic response of growing pigs subjected to a lipopolysaccharide challenge. <i>Journal of Animal Science</i> , 2020, 98, 116-116.	0.5	3
33	Characterizing the postnatal hypothalamic-pituitary-adrenal axis response of in utero heat stressed pigs at 10 and 15 weeks of age. <i>Scientific Reports</i> , 2021, 11, 22527.	3.3	3
34	Effects of Feed Removal during Acute Heat Stress on the Cytokine Response and Short-Term Growth Performance in Finishing Pigs. <i>Animals</i> , 2021, 11, 205.	2.3	2
35	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. <i>Journal of Animal Science</i> , 2022, 100, .	0.5	2
36	Electronically controlled cooling pads can improve litter growth performance and indirect measures of milk production in heat-stressed lactating sows. <i>Journal of Animal Science</i> , 2022, 100, .	0.5	2

#	ARTICLE	IF	CITATIONS
37	In Utero Heat Stress Has Minimal Impacts on Processed Pork Products: A Comparative Study. Foods, 2022, 11, 1222.	4.3	2
38	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