

# Patrick Gorden

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,161  
citations

471509

17  
h-index

414414

32  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1135  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial Community Profiling of Milk Samples as a Means to Understand Culture-Negative Bovine Clinical Mastitis. PLoS ONE, 2013, 8, e61959.	2.5	132
2	Control, Management, and Prevention of Bovine Respiratory Disease in Dairy Calves and Cows. Veterinary Clinics of North America - Food Animal Practice, 2010, 26, 243-259.	1.2	107
3	Deep Sequencing Analysis Reveals Temporal Microbiota Changes Associated with Development of Bovine Digital Dermatitis. Infection and Immunity, 2014, 82, 3359-3373.	2.2	92
4	Intentionally induced intestinal barrier dysfunction causes inflammation, affects metabolism, and reduces productivity in lactating Holstein cows. Journal of Dairy Science, 2017, 100, 4113-4127.	3.4	73
5	Characterizing effects of feed restriction and glucagon-like peptide 2 administration on biomarkers of inflammation and intestinal morphology. Journal of Dairy Science, 2017, 100, 9402-9417.	3.4	58
6	The pharmacokinetics of transdermal flunixin meglumine in Holstein calves. Journal of Veterinary Pharmacology and Therapeutics, 2016, 39, 612-615.	1.3	54
7	Randomized noninferiority clinical trial evaluating 3 commercial dry cow mastitis preparations: I. Quarter-level outcomes. Journal of Dairy Science, 2013, 96, 4419-4435.	3.4	43
8	Digital dermatitis: Natural lesion progression and regression in Holstein dairy cattle over 3 years. Journal of Dairy Science, 2016, 99, 3718-3731.	3.4	43
9	Randomized controlled non-inferiority trial investigating the effect of 2 selective dry-cow therapy protocols on antibiotic use at dry-off and dry period intramammary infection dynamics. Journal of Dairy Science, 2020, 103, 6473-6492.	3.4	41
10	A Highly Effective Protocol for the Rapid and Consistent Induction of Digital Dermatitis in Holstein Calves. PLoS ONE, 2016, 11, e0154481.	2.5	36
11	The impact of transdermal flunixin meglumine on biomarkers of pain in calves when administered at the time of surgical castration without local anesthesia. Livestock Science, 2018, 212, 1-6.	1.6	35
12	Effect of the ratio of zinc amino acid complex to zinc sulfate on the performance of Holstein cows. Journal of Dairy Science, 2014, 97, 4392-4404.	3.4	34
13	Molecular epidemiology of coagulase-negative <i>Staphylococcus</i> species isolated at different lactation stages from dairy cattle in the United States. PeerJ, 2019, 7, e6749.	2.0	32
14	Randomized controlled trial investigating the effect of 2 selective dry-cow therapy protocols on udder health and performance in the subsequent lactation. Journal of Dairy Science, 2020, 103, 6493-6503.	3.4	31
15	Efficacy of vaccination with a <i>Klebsiella pneumoniae</i> siderophore receptor protein vaccine for reduction of <i>Klebsiella</i> mastitis in lactating cattle. Journal of Dairy Science, 2018, 101, 10398-10408.	3.4	28
16	Effects of transdermal flunixin meglumine on pain biomarkers at dehorning in calves <sup>1</sup> . Journal of Animal Science, 2017, 95, 1993-2000.	0.5	21
17	The effects of zinc amino acid complex on biomarkers of gut integrity, inflammation, and metabolism in heat-stressed ruminants. Journal of Dairy Science, 2021, 104, 2410-2421.	3.4	20
18	Evaluating effects of zinc hydroxychloride on biomarkers of inflammation and intestinal integrity during feed restriction. Journal of Dairy Science, 2020, 103, 11911-11929.	3.4	18

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19	Altered plasma pharmacokinetics of ceftiofur hydrochloride in cows affected with severe clinical mastitis. <i>Journal of Dairy Science</i> , 2016, 99, 505-514.	3.4	17
20	Partial budget analysis of culture- and algorithm-guided selective dry cow therapy. <i>Journal of Dairy Science</i> , 2021, 104, 5652-5664.	3.4	17
21	The role of thecal androgen production in the regulation of estradiol biosynthesis by dominant bovine follicles during the first follicular wave <sup>1,2</sup> . <i>Journal of Animal Science</i> , 2005, 83, 597-603.	0.5	16
22	Effects of transdermal flunixin meglumine on experimentally induced lameness in adult dairy cattle. <i>Journal of Dairy Science</i> , 2019, 102, 6418-6430.	3.4	15
23	Evaluation of rapid culture, a predictive algorithm, esterase somatic cell count and lactate dehydrogenase to detect intramammary infection in quarters of dairy cows at dry-off. <i>Preventive Veterinary Medicine</i> , 2020, 179, 104982.	1.9	14
24	Whole-genome analysis of <i>Klebsiella pneumoniae</i> from bovine mastitis milk in the U.S.. <i>Environmental Microbiology</i> , 2022, 24, 1183-1199.	3.8	13
25	Effects of transdermal flunixin meglumine on pain biomarkers at dehorning in calves. <i>Journal of Animal Science</i> , 2017, 95, 1993.	0.5	13
26	A study to examine the relationship between metritis severity and depletion of oxytetracycline in plasma and milk after intrauterine infusion. <i>Journal of Dairy Science</i> , 2016, 99, 8314-8322.	3.4	12
27	Comparison of milk and plasma pharmacokinetics of meloxicam in postpartum versus mid-lactation Holstein cows. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2018, 41, 463-468.	1.3	12
28	Pharmacokinetics of multiple doses of transdermal flunixin meglumine in adult Holstein dairy cows. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2018, 41, 490-493.	1.3	11
29	Effect of age on the pharmacokinetics and pharmacodynamics of flunixin meglumine following intravenous and transdermal administration to Holstein calves. <i>American Journal of Veterinary Research</i> , 2018, 79, 568-575.	0.6	11
30	Comparative plasma and interstitial fluid pharmacokinetics and tissue residues of ceftiofur crystalline-free acid in cattle with induced coliform mastitis. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2018, 41, 848-860.	1.3	11
31	Pneumatic dart delivery of tulathromycin in calves results in lower antimicrobial concentrations and increased biomarkers of stress and injection site inflammation compared with subcutaneous injection. <i>Journal of Animal Science</i> , 2018, 96, 3089-3101.	0.5	11
32	Randomized controlled trial comparison of analgesic drugs for control of pain associated with induced lameness in lactating dairy cattle. <i>Journal of Dairy Science</i> , 2021, 104, 2040-2055.	3.4	10
33	Comparative plasma and interstitial fluid pharmacokinetics of flunixin meglumine and ceftiofur hydrochloride following individual and co-administration in dairy cows. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2018, 41, 76-82.	1.3	9
34	Rapid Communication: Use of pressure mat gait analysis in measuring pain following normal parturition in dairy cows. <i>Journal of Animal Science</i> , 2019, 97, 846-850.	0.5	9
35	Elimination kinetics of cephalixin sodium in milk after an 8-day extended therapy program of daily intramammary infusion in healthy lactating Holstein-Friesian cows. <i>Journal of Dairy Science</i> , 2013, 96, 4455-4464.	3.4	8
36	Lactation stage impacts the glycolytic function of bovine CD4 <sup>+</sup> T cells during ex vivo activation. <i>Scientific Reports</i> , 2020, 10, 4045.	3.3	8

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37	Management and design of hospital pens relative to behavior of the compromised dairy cow: A questionnaire survey of Iowa dairy farms. <i>Applied Animal Behaviour Science</i> , 2016, 175, 50-55.	1.9	7
38	Comparative Pharmacokinetics of Meloxicam Between Healthy Post-partum vs. Mid-lactation Dairy Cattle. <i>Frontiers in Veterinary Science</i> , 2020, 7, 548.	2.2	7
39	Randomized noninferiority clinical trial evaluating 3 commercial dry cow mastitis preparations: II. Cow health and performance in early lactation. <i>Journal of Dairy Science</i> , 2013, 96, 6390-6399.	3.4	5
40	The impact of pain on the pharmacokinetics of transdermal flunixin meglumine administered at the time of cautery dehorning in Holstein calves. <i>Veterinary Anaesthesia and Analgesia</i> , 2018, 45, 849-857.	0.6	5
41	An Observational Study of the Effects of Therapeutic Hoof Blocks on the Locomotion, Behavior, and Production of Healthy Dairy Cattle. <i>Journal of Applied Animal Welfare Science</i> , 2015, 18, 363-374.	1.0	4
42	Plasma Pharmacokinetics of Cannabidiol Following Oral Administration of Cannabidiol Oil to Dairy Calves. <i>Frontiers in Veterinary Science</i> , 2022, 9, 789495.	2.2	4
43	1175 The effects of zinc amino acid complex on biomarkers of gut integrity and metabolism in heat-stressed steers. <i>Journal of Animal Science</i> , 2016, 94, 564-564.	0.5	3
44	Tissue residue depletion and estimation of extralabel meat withdrawal intervals for tulathromycin in calves after pneumatic dart administration. <i>Journal of Animal Science</i> , 2019, 97, 3714-3726.	0.5	3
45	21 Evaluation of Transdermal Flunixin Meglumine on Experimentally Induced Lameness in Adult Dairy Cattle.. <i>Journal of Animal Science</i> , 2018, 96, 11-11.	0.5	2
46	Short communication: Determination of the milk pharmacokinetics and depletion of milk residues of flunixin following transdermal administration to lactating Holstein cows. <i>Journal of Dairy Science</i> , 2019, 102, 11465-11469.	3.4	2
47	<i>Salmonella enterica</i> serovar Brandenburg abortions in dairy cattle. <i>Journal of Veterinary Diagnostic Investigation</i> , 2022, 34, 864-869.	1.1	2
48	PSXI-20 Milking collar activity data is associated with health events and feed intake in lactating Holstein cattle. <i>Journal of Animal Science</i> , 2020, 98, 392-393.	0.5	1
49	Embedded microcomputer-based force plate system validation when evaluating lameness severity differentiation under an induced synovitis model in lactating dairy cattle. <i>Animal</i> , 2021, 15, 100415.	3.3	1
50	022 Effects of transdermal flunixin meglumine on pain biomarkers at dehorning. <i>Journal of Animal Science</i> , 2016, 94, 10-11.	0.5	0
51	065 A study to examine the relationship between uterine pathology and depletion of oxytetracycline in plasma and milk after intrauterine infusion. <i>Journal of Animal Science</i> , 2016, 94, 30-30.	0.5	0
52	17 The Impact of Transdermal Flunixin Meglumine on Biomarkers of Pain in Calves When Administered at the Time of Surgical Castration without Local Anesthesia.. <i>Journal of Animal Science</i> , 2018, 96, 9-9.	0.5	0
53	PSI-4 Comparison of analgesics for control of lameness-associated pain in lactating dairy cattle. <i>Journal of Animal Science</i> , 2019, 97, 162-163.	0.5	0
54	11 Use of pressure mat gait analysis in measuring pain following normal parturition in dairy cows. <i>Journal of Animal Science</i> , 2019, 97, 5-5.	0.5	0

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55	PSXI-16 Inclusion of automated sensor data as a predictor of feed intake increases the variance explained by a random forest model. Journal of Animal Science, 2020, 98, 394-395.	0.5	0