

Michael D Kleinhenz

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

609
citations

686830

13
h-index

713013

21
g-index

63
all docs

63
docs citations

63
times ranked

410
citing authors

#	ARTICLE	IF	CITATIONS
1	The pharmacokinetics of transdermal flunixin meglumine in Holstein calves. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2016, 39, 612-615.	0.6	54
2	Nutrient concentrations, digestibility, and cannabinoid concentrations of industrial hemp plant components. <i>Applied Animal Science</i> , 2020, 36, 489-494.	0.4	43
3	The impact of transdermal flunixin meglumine on biomarkers of pain in calves when administered at the time of surgical castration without local anesthesia. <i>Livestock Science</i> , 2018, 212, 1-6.	0.6	35
4	Plasma concentrations of eleven cannabinoids in cattle following oral administration of industrial hemp (<i>Cannabis sativa</i>). <i>Scientific Reports</i> , 2020, 10, 12753.	1.6	32
5	An Update on the Assessment and Management of Pain Associated with Lameness in Cattle. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2017, 33, 389-411.	0.5	31
6	Efficacy of vaccination with a <i>Klebsiella pneumoniae</i> siderophore receptor protein vaccine for reduction of <i>Klebsiella</i> mastitis in lactating cattle. <i>Journal of Dairy Science</i> , 2018, 101, 10398-10408.	1.4	28
7	Association between antimicrobial drug class for treatment and retreatment of bovine respiratory disease (BRD) and frequency of resistant BRD pathogen isolation from veterinary diagnostic laboratory samples. <i>PLoS ONE</i> , 2019, 14, e0219104.	1.1	22
8	Effects of transdermal flunixin meglumine on pain biomarkers at dehorning in calves ¹ . <i>Journal of Animal Science</i> , 2017, 95, 1993-2000.	0.2	21
9	Pharmacokinetics and pharmacodynamics of intravenous and transdermal flunixin meglumine in meat goats. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019, 42, 309-317.	0.6	21
10	Altered plasma pharmacokinetics of ceftiofur hydrochloride in cows affected with severe clinical mastitis. <i>Journal of Dairy Science</i> , 2016, 99, 505-514.	1.4	17
11	Invited Review: On-farm pain management of food production animals. <i>Applied Animal Science</i> , 2021, 37, 77-87.	0.4	17
12	Fecal microbiota changes associated with dehorning and castration stress primarily affects light-weight dairy calves. <i>PLoS ONE</i> , 2019, 14, e0210203.	1.1	16
13	Effects of transdermal flunixin meglumine on experimentally induced lameness in adult dairy cattle. <i>Journal of Dairy Science</i> , 2019, 102, 6418-6430.	1.4	15
14	Effects of transdermal flunixin meglumine on pain biomarkers at dehorning in calves. <i>Journal of Animal Science</i> , 2017, 95, 1993.	0.2	13
15	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.	1.4	12
16	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.	0.6	12
17	Off-Target drug effects resulting in altered gene expression events with epigenetic and Quasi-Epigenetic origins. <i>Pharmacological Research</i> , 2016, 107, 229-233.	3.1	11
18	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.	0.6	11

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19	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.	0.3	11
20	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.	0.6	11
21	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.	0.2	11
22	Short term feeding of industrial hemp with a high cannabidiolic acid (CBDA) content increases lying behavior and reduces biomarkers of stress and inflammation in Holstein steers. <i>Scientific Reports</i> , 2022, 12, 3683.	1.6	11
23	Comparison of the effect of tildipirosin administered alone or in combination with transdermal flunixin on the performance, health, activity, and well-being of transported feedlot calves on arrival at the feedlot. <i>Translational Animal Science</i> , 2020, 4, 452-459.	0.4	10
24	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.	1.4	10
25	Analgesic Comparison of Flunixin Meglumine or Meloxicam for Soft-Tissue Surgery in Sheep: A Pilot Study. <i>Animals</i> , 2021, 11, 423.	1.0	10
26	Effect of bupivacaine liposome suspension administered as a cornual nerve block on indicators of pain and distress during and after cauterly dehorning in dairy calves. <i>Journal of Dairy Science</i> , 2022, 105, 1603-1617.	1.4	10
27	Comparative plasma and interstitial fluid pharmacokinetics of flunixin meglumine and ceftiofur hydrochloride following individual and coadministration in dairy cows. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2018, 41, 76-82.	0.6	9
28	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.	0.2	9
29	Pharmacokinetics and pharmacodynamics of intravenous and transdermal flunixin meglumine in alpacas. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019, 42, 572-579.	0.6	7
30	Association between antimicrobial drug class selection for treatment and retreatment of bovine respiratory disease and health, performance, and carcass quality outcomes in feedlot cattle. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	6
31	The impact of pain on the pharmacokinetics of transdermal flunixin meglumine administered at the time of cauterly dehorning in Holstein calves. <i>Veterinary Anaesthesia and Analgesia</i> , 2018, 45, 849-857.	0.3	5
32	Analgesic efficacy of an intravenous constant rate infusion of a morphine-lidocaine-ketamine combination in Holstein calves undergoing umbilical herniorrhaphy. <i>American Journal of Veterinary Research</i> , 2020, 81, 25-32.	0.3	5
33	Pharmacokinetics of an intravenous constant rate infusion of a morphine-lidocaine-ketamine combination in Holstein calves undergoing umbilical herniorrhaphy. <i>American Journal of Veterinary Research</i> , 2020, 81, 17-24.	0.3	5
34	Development and evaluation of two different lameness models in meat goats, a pilot study. <i>Translational Animal Science</i> , 2020, 4, txaa193.	0.4	5
35	Comparative Pharmacokinetics and Tissue Concentrations of Flunixin Meglumine and Meloxicam in Tilapia (<i>Oreochromis spp.</i>). <i>Fishes</i> , 2021, 6, 68.	0.7	5
36	The effect of breed, sex, and oral meloxicam administration on pain biomarkers following hot-iron branding in Hereford and Angus calves. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	5

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37	Assessment of pain associated with bovine respiratory disease and its mitigation with flunixin meglumine in cattle with induced bacterial pneumonia. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	5
38	Assessment of diagnostic accuracy of biomarkers to assess lung consolidation in calves with induced bacterial pneumonia using receiver operating characteristic curves. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	5
39	Evaluating the utility of a CO2 surgical laser for piglet castration to reduce pain and improve wound healing: a pilot study. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	4
40	Evaluation of a carbon dioxide laser scalpel for disbudding Holstein calves: A pilot study. <i>JDS Communications</i> , 2021, 2, 223-226.	0.5	4
41	Failure to Eliminate Persistent <i>Anaplasma marginale</i> Infection from Cattle Using Labeled Doses of Chlortetracycline and Oxytetracycline Antimicrobials. <i>Veterinary Sciences</i> , 2021, 8, 283.	0.6	4
42	Targeted mutagenesis in <i>Anaplasma marginale</i> to define virulence and vaccine development against bovine anaplasmosis. <i>PLoS Pathogens</i> , 2022, 18, e1010540.	2.1	4
43	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.	0.2	3
44	Transmammary delivery of firocoxib to piglets reduces stress and improves average daily gain after castration, tail docking, and teeth clipping1. <i>Journal of Animal Science</i> , 2019, 97, 2750-2768.	0.2	3
45	Development of a subcutaneous ear implant to deliver an anaplasmosis vaccine to dairy steers. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	3
46	A field trial comparing four oral nonsteroidal anti-inflammatory drugs on controlling cauterly dehorning pain and stress in calves. <i>Translational Animal Science</i> , 2021, 5, txab041.	0.4	3
47	21 Evaluation of Transdermal Flunixin Meglumine on Experimentally Induced Lameness in Adult Dairy Cattle.. <i>Journal of Animal Science</i> , 2018, 96, 11-11.	0.2	2
48	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.	1.4	2
49	Pharmacokinetics and tissue concentrations of firocoxib in sows following oral administration. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2020, 43, 491-498.	0.6	2
50	PSV-1 A Subcutaneous Ear Implant to Deliver an Anaplasmosis Vaccine to Dairy Steers. <i>Journal of Animal Science</i> , 2020, 98, 156-157.	0.2	2
51	Effect of bupivacaine liposome suspension administered as a local anesthetic block on indicators of pain and distress during and after surgical castration in dairy calves. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	2
52	Assessment of statewide and within-herd seroprevalence of <i>Anaplasma marginale</i> antibodies in 12 <i>Bos taurus</i> and <i>Bos indicus</i> cow herds and the association with sporadic outbreaks of bovine anaplasmosis in Florida. <i>Applied Animal Science</i> , 2021, 37, 689-696.	0.4	2
53	Pharmacokinetics and ex vivo pharmacodynamics of oral firocoxib administration in New Zealand White rabbits (<i>Oryctolagus cuniculus</i>). <i>American Journal of Veterinary Research</i> , 2022, 83, .	0.3	2
54	Comparison of lidocaine alone or in combination with a local nerve block of ethanol, bupivacaine liposome suspension, or oral meloxicam to extend analgesia after scoop dehorning in Holstein calves. <i>JDS Communications</i> , 2022, 3, 189-194.	0.5	1

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55	17 The Impact of Transdermal Flunixin Meglumine on Biomarkers of Pain in Calves When Administered at the Time of Surgical Castration without Local Anesthesia.. Journal of Animal Science, 2018, 96, 9-9.	0.2	0
56	PSI-4 Comparison of analgesics for control of lameness-associated pain in lactating dairy cattle. Journal of Animal Science, 2019, 97, 162-163.	0.2	0
57	10 A field study to investigate the effect of Zuprevo administered alone or in combination with banamine transdermal on the health and well-being of transported feedlot calves on arrival at the feedlot. Journal of Animal Science, 2019, 97, 6-6.	0.2	0
58	11 Use of pressure mat gait analysis in measuring pain following normal parturition in dairy cows. Journal of Animal Science, 2019, 97, 5-5.	0.2	0
59	317 Survey of veterinary student attitudes toward animal welfare and pain. Journal of Animal Science, 2019, 97, 7-7.	0.2	0
60	179 A Comparison of Local Anesthetic Effectiveness in Reducing Pain Associated with Dehorning in Dairy Calves. Journal of Animal Science, 2021, 99, 2-3.	0.2	0
61	180 Comparative Pharmacokinetics of Flunixin Meglumine and Meloxicam in Tilapia (Oreochromis Spp.). Journal of Animal Science, 2021, 99, 3-3.	0.2	0
62	215 Assessment of the Diagnostic Sensitivity and Specificity of Pain Biomarkers in Cattle Using Receiver Operating Characteristic Curves. Journal of Animal Science, 2020, 98, 7-8.	0.2	0
63	Behavioral and performance response associated with administration of intravenous flunixin meglumine or oral meloxicam immediately prior to surgical castration in bull calves. Journal of Animal Science, 2022, , .	0.2	0