

Heather K Knych

List of Publications by Year in descending order

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Version: 2024-02-01

122
papers

1,075
citations

586496

16
h-index

721071

23
g-index

122
all docs

122
docs citations

122
times ranked

846
citing authors

#	ARTICLE	IF	CITATIONS
1	The pharmacokinetics of a fentanyl matrix patch applied at three different anatomical locations in horses. <i>Equine Veterinary Journal</i> , 2022, 54, 153-158.	0.9	4
2	Oral prednisolone achieves measurable concentrations in equine synovial fluid within 3 hours of administration: Preliminary observations. <i>Equine Veterinary Education</i> , 2022, 34, .	0.3	0
3	Anesthetic Pharmacology of the Mint Extracts L-Carvone and Methyl Salicylate. <i>Pharmacology</i> , 2022, 107, 167-178.	0.9	4
4	Pharmacokinetics of pimobendan following oral administration to New Zealand White rabbits (<i>Oryctolagus cuniculus</i>). <i>American Journal of Veterinary Research</i> , 2022, 83, 356-363.	0.3	4
5	Detection and residence time of bisphosphonates in bone of horses. <i>Journal of Veterinary Diagnostic Investigation</i> , 2022, 34, 23-27.	0.5	4
6	Absorption of grapiprant in red-tailed hawks (<i>Buteo jamaicensis</i>) is decreased when administered with food. <i>American Journal of Veterinary Research</i> , 2022, 83, .	0.3	1
7	Pharmacokinetics, adverse effects and effects on thermal nociception following administration of three doses of codeine to horses. <i>BMC Veterinary Research</i> , 2022, 18, .	0.7	3
8	Pharmacokinetics of butorphanol tartrate in a poloxamer P407 gel formulation administered to orange-winged Amazon parrots (<i>Amazona amazonica</i>). <i>American Journal of Veterinary Research</i> , 2022, 83, .	0.3	1
9	Pharmacokinetics of cannabidiol in a randomized crossover trial in senior horses. <i>American Journal of Veterinary Research</i> , 2022, 83, .	0.3	6
10	Pharmacokinetics and anti-inflammatory effects of flunixin meglumine as a sole agent and in combination with phenylbutazone in exercised Thoroughbred horses. <i>Equine Veterinary Journal</i> , 2021, 53, 102-116.	0.9	8
11	Identification and characterization of the enzymes responsible for the metabolism of the non-steroidal anti-inflammatory drugs, flunixin meglumine and phenylbutazone, in horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2021, 44, 36-46.	0.6	2
12	Drug content on receipt and over time for compounded formulations of famciclovir. <i>Journal of Feline Medicine and Surgery</i> , 2021, 23, 519-525.	0.6	4
13	Pharmacokinetics and pharmacodynamics of meperidine after intramuscular and subcutaneous administration in horses. <i>Veterinary Surgery</i> , 2021, 50, 410-417.	0.5	3
14	Investigation of Equine In Vivo and In Vitro Derived Metabolites of the Selective Androgen Receptor Modulator (SARM) ACP-105 for Improved Doping Control. <i>Metabolites</i> , 2021, 11, 85.	1.3	9
15	Functional phenotyping of the CYP2D6 probe drug codeine in the horse. <i>BMC Veterinary Research</i> , 2021, 17, 77.	0.7	3
16	Preliminary study of the stability of dexamethasone when added to commercial veterinary ear cleaners over a 90 day period. <i>Veterinary Dermatology</i> , 2021, 32, 168.	0.4	3
17	Pharmacokinetics and pharmacodynamics of intravenous continuous rate infusion and repeated intramuscular administration of dexmedetomidine in standing horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2021, 44, 533-543.	0.6	1
18	Equine antimicrobial therapy: Current and past issues facing practitioners. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2021, 44, 270-279.	0.6	6

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19	Pharmacokinetics and effects on arachidonic acid metabolism of low doses of cannabidiol following oral administration to horses. <i>Drug Testing and Analysis</i> , 2021, 13, 1305-1317.	1.6	22
20	SARCOCYSTOSIS IN A CAPTIVE FLOCK OF THICK-BILLED PARROTS (<i>RHYNCHOPSITTA PACHYRHYNCHA</i>) FROM 2005 TO 2016: MORBIDITY, MORTALITY, DIAGNOSTICS, AND MANAGEMENT STRATEGIES. <i>Journal of Zoo and Wildlife Medicine</i> , 2021, 52, 206-216.	0.3	1
21	Pharmacokinetics of transdermal flunixin meglumine and effects on biomarkers of inflammation in horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2021, 44, 745-753.	0.6	7
22	Effect of a Larger Flush Volume on Bioavailability and Efficacy of Umbilical Venous Epinephrine during Neonatal Resuscitation in Ovine Asphyxial Arrest. <i>Children</i> , 2021, 8, 464.	0.6	10
23	Species Differences in Metabolism of Soluble Epoxide Hydrolase Inhibitor, EC1728, Highlight the Importance of Clinically Relevant Screening Mechanisms in Drug Development. <i>Molecules</i> , 2021, 26, 5034.	1.7	3
24	Pharmacokinetics of grapiprant administered to red-tailed hawks (<i>Buteo jamaicensis</i>) after food was withheld for 24 hours. <i>American Journal of Veterinary Research</i> , 2021, 82, 912-919.	0.3	3
25	Pharmacokinetics and Efficacy of a Long-lasting, Highly Concentrated Buprenorphine Solution in Rats. <i>Journal of the American Association for Laboratory Animal Science</i> , 2021, 60, 667-674.	0.6	4
26	Transcriptomic Markers of Recombinant Human Erythropoietin Micro-Dosing in Thoroughbred Horses. <i>Genes</i> , 2021, 12, 1874.	1.0	3
27	Pharmacokinetics and pharmacodynamics of hydromorphone after intravenous and intramuscular administration in horses. <i>Veterinary Anaesthesia and Analgesia</i> , 2020, 47, 210-218.	0.3	11
28	Concentrations of medetomidine enantiomers and vatinoxan, an α_2 -adrenoceptor antagonist, in plasma and central nervous tissue after intravenous coadministration in dogs. <i>Veterinary Anaesthesia and Analgesia</i> , 2020, 47, 47-52.	0.3	15
29	Meperidine pharmacokinetics and effects on physiologic parameters and thermal threshold following intravenous administration of three doses to horses. <i>BMC Veterinary Research</i> , 2020, 16, 368.	0.7	6
30	Pharmacokinetics and pharmacodynamics of clodronate disodium evaluated in plasma, synovial fluid and urine. <i>Equine Veterinary Journal</i> , 2020, 52, 725-732.	0.9	11
31	Equine uridine diphospho-glucuronosyltransferase 1A1, 2A1, 2B4, 2B31: cDNA cloning, expression and initial characterization of morphine metabolism. <i>Veterinary Anaesthesia and Analgesia</i> , 2020, 47, 763-772.	0.3	4
32	Sedative effects and pharmacokinetics of detomidine when administered intravenously and intravaginally as a gel in alpacas. <i>Veterinary Anaesthesia and Analgesia</i> , 2020, 47, 773-780.	0.3	2
33	Effect of Meperidine on Equine Blood Histamine, Tryptase, and Immunoglobulin-E Concentrations. <i>Frontiers in Veterinary Science</i> , 2020, 7, 584922.	0.9	2
34	Pharmacokinetic and Efficacy Study of Acyclovir Against Cyprinid Herpesvirus 3 in <i>Cyprinus carpio</i> . <i>Frontiers in Veterinary Science</i> , 2020, 7, 587952.	0.9	6
35	Serum concentrations, pharmacokinetic/pharmacodynamic modeling, and effects of dexamethasone on inflammatory mediators following intravenous and oral administration to exercised horses. <i>Drug Testing and Analysis</i> , 2020, 12, 1087-1101.	1.6	9
36	Metabolism, pharmacokinetics and selected pharmacodynamic effects of codeine following a single oral administration to horses. <i>Veterinary Anaesthesia and Analgesia</i> , 2020, 47, 694-704.	0.3	3

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37	Physiologic effects of furosemide in combination with water restriction when administered at 4 and 24 hours prior to high-intensity treadmill training. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2020, 43, 565-576.	0.6	0
38	Pharmacokinetics and clinical effects of xylazine and dexmedetomidine in horses recovering from isoflurane anesthesia. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2020, 43, 369-376.	0.6	8
39	Pharmacokinetics of maropitant citrate after oral administration of multiple doses in adult horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2020, 43, 282-287.	0.6	1
40	Pharmacokinetics, sedation and hemodynamic changes following the administration of oral transmucosal detomidine gel in cats. <i>Journal of Feline Medicine and Surgery</i> , 2020, 22, 1184-1190.	0.6	1
41	Pharmacokinetics of multiple doses of chloramphenicol in fed adult horses. <i>Veterinary Journal</i> , 2020, 257, 105446.	0.6	2
42	Evaluation of Orally Administered Atorvastatin on Plasma Lipid and Biochemistry Profiles in Hypercholesterolemic Hispaniolan Amazon Parrots (<i>Amazona ventralis</i>). , 2020, 34, 32.		5
43	Pharmacokinetics of a Single Dose of Oral Meloxicam in Rehabilitated Wild Brown Pelicans (<i>Pelecanus</i>) Tj ETQq1 1 0.784314 ggBT /Over		
44	Pharmacokinetics of Intravenous and Oral Phenobarbital Sodium in Healthy Goats. <i>Frontiers in Veterinary Science</i> , 2020, 7, 86.	0.9	1
45	Pharmacokinetics of intravenous flumetasone and effects on plasma hydrocortisone concentrations and inflammatory mediators in the horse. <i>Equine Veterinary Journal</i> , 2019, 51, 238-245.	0.9	7
46	Characterization of the in vitro CYP450 mediated metabolism of the polymorphic CYP2D6 probe drug codeine in horses. <i>Biochemical Pharmacology</i> , 2019, 168, 184-192.	2.0	13
47	Pharmacokinetics of hydroxyzine and cetirizine following oral administration of hydroxyzine to exercised Thoroughbred horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019, 42, 617-623.	0.6	3
48	Evaluation of the sedative effects and pharmacokinetics of detomidine gel administered intravaginally to horses. <i>Veterinary Anaesthesia and Analgesia</i> , 2019, 46, 772-779.	0.3	4
49	Pharmacokinetics of single doses of maropitant citrate in adult horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019, 42, 487-491.	0.6	3
50	Detection, pharmacokinetics, and selected pharmacodynamic effects of methamphetamine following a single transmucosal and intravenous administration to exercised Thoroughbred horses. <i>Drug Testing and Analysis</i> , 2019, 11, 1431-1443.	1.6	3
51	Pharmacokinetics of chloramphenicol base in horses and comparison to compounded formulations. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019, 42, 609-616.	0.6	2
52	Pharmacokinetics and selected pharmacodynamics of morphine and its active metabolites in horses after intravenous administration of four doses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019, 42, 401-410.	0.6	24
53	Pharmacokinetics of a Long-lasting, Highly Concentrated Buprenorphine Solution after Subcutaneous Administration in Rhesus Macaques (<i>Macaca mulatta</i>). <i>Journal of the American Association for Laboratory Animal Science</i> , 2019, 58, 501-509.	0.6	15
54	Plasma and synovial fluid concentrations and cartilage toxicity of bupivacaine following intra-articular administration of a liposomal formulation to horses. <i>Equine Veterinary Journal</i> , 2019, 51, 408-414.	0.9	16

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55	The pharmacokinetics and pharmacodynamics of intravenous hydromorphone in horses. <i>Veterinary Anaesthesia and Analgesia</i> , 2019, 46, 395-404.	0.3	16
56	In vitro and in vivo GABAA Receptor Interaction of the Propanidid Metabolite 4-(2-[Diethylamino]-2-Oxoethoxy)-3-Methoxy-Benzeneacetic Acid. <i>Pharmacology</i> , 2019, 103, 10-16.	0.9	3
57	Phenylbutazone blood and urine concentrations, pharmacokinetics, and effects on biomarkers of inflammation in horses following intravenous and oral administration of clinical doses. <i>Drug Testing and Analysis</i> , 2019, 11, 792-803.	1.6	9
58	Pharmacokinetics, pharmacodynamics, and metabolism of acepromazine following intravenous, oral, and sublingual administration to exercised Thoroughbred horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2018, 41, 522-535.	0.6	8
59	Detection and pharmacokinetics of grapiprant following oral administration to exercised Thoroughbred horses. <i>Drug Testing and Analysis</i> , 2018, 10, 1237-1243.	1.6	14
60	Expression of inflammatory and structural matrix genes in synovial fluid following intra-articular administration of isoflupredone acetate to exercised horses. <i>Equine Veterinary Journal</i> , 2018, 50, 504-512.	0.9	3
61	Pharmacokinetics and efficacy of intravenous famotidine in adult cattle. <i>Journal of Veterinary Internal Medicine</i> , 2018, 32, 1283-1289.	0.6	13
62	Time required to achieve maximum concentration of amikacin in synovial fluid of the distal interphalangeal joint after intravenous regional limb perfusion in horses. <i>American Journal of Veterinary Research</i> , 2018, 79, 282-286.	0.3	24
63	Pharmacokinetics of furosemide administered 4 and 24 hours prior to high-speed exercise in horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2018, 41, 224-229.	0.6	9
64	Pharmacokinetics and antinociceptive effects of the soluble epoxide hydrolase inhibitor TUCB in horses with experimentally induced radiocarpal synovitis. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2018, 41, 230-238.	0.6	21
65	Effectiveness of furosemide in attenuating exercise-induced pulmonary haemorrhage in horses when administered at 4 and 24 h prior to high-speed training. <i>Equine Veterinary Journal</i> , 2018, 50, 350-355.	0.9	7
66	Equine in vivo -derived metabolites of the SARM LGD-4033 and comparison with human and fungal metabolites. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1074-1075, 91-98.	1.2	21
67	and threo ethylphenidate concentrations, pharmacokinetics, and pharmacodynamics in horses. <i>Drug Testing and Analysis</i> , 2018, 10, 1508-1517.	1.6	1
68	5 α -dihydroprogesterone concentrations and synthesis in non-pregnant mares. <i>Journal of Endocrinology</i> , 2018, 238, 25-32.	1.2	5
69	Pharmacokinetics and Pharmacodynamics of Morphine and its Major Metabolites Following Intravenous Administration of Four Doses to Horses. <i>FASEB Journal</i> , 2018, 32, 683.9.	0.2	0
70	Cytokine, catabolic enzyme and structural matrix gene expression in synovial fluid following intra-articular administration of triamcinolone acetonide in exercised horses. <i>Equine Veterinary Journal</i> , 2017, 49, 107-115.	0.9	11
71	Disposition of the anti-ulcer medications ranitidine, cimetidine, and omeprazole following administration of multiple doses to exercised Thoroughbred horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2017, 40, 92-96.	0.6	2
72	Pharmacokinetic and pharmacodynamic properties of pergolide mesylate following long-term administration to horses with pituitary pars intermedia dysfunction. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2017, 40, 158-164.	0.6	20

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91	Drug Residues after Intravenous Anesthesia and Intrathecal Lidocaine Hydrochloride Euthanasia in Horses. <i>Journal of Veterinary Internal Medicine</i> , 2016, 30, 1322-1326.	0.6	6
92	Differential expression of skeletal muscle genes following administration of clenbuterol to exercised horses. <i>BMC Genomics</i> , 2016, 17, 596.	1.2	4
93	Disposition of isoflupredone acetate in plasma, urine and synovial fluid following intra-articular administration to exercised Thoroughbred horses. <i>Drug Testing and Analysis</i> , 2016, 8, 141-147.	1.6	4
94	Effects of acepromazine or dexmedetomidine on fentanyl disposition in dogs during recovery from isoflurane anesthesia. <i>Veterinary Anaesthesia and Analgesia</i> , 2016, 43, 35-43.	0.3	3
95	Clearance of corticosteroids following intra-articular administration of clinical doses to racehorses. <i>Equine Veterinary Education</i> , 2016, 28, 140-144.	0.3	4
96	Pharmacokinetics of methocarbamol and phenylbutazone in exercised Thoroughbred horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2016, 39, 469-477.	0.6	8
97	Pharmacokinetics of guaifenesin following administration of multiple doses to exercised Thoroughbred horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2016, 39, 416-419.	0.6	2
98	Plasma concentrations, analgesic and physiological assessments in horses with chronic laminitis treated with two doses of oral tramadol. <i>Equine Veterinary Journal</i> , 2016, 48, 528-531.	0.9	17
99	Pharmacokinetics of ketoprofen enantiomers following intravenous and oral administration to exercised Thoroughbred horses. <i>Veterinary Journal</i> , 2016, 207, 196-198.	0.6	7
100	Evidence for polymorphism in the cytochrome P450 2D50 gene in horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2016, 39, 245-254.	0.6	18
101	Disposition, behavioural and physiological effects of escalating doses of intravenously administered fentanyl to young foals. <i>Equine Veterinary Journal</i> , 2015, 47, 592-598.	0.9	14
102	Endogenous concentrations, pharmacokinetics, and selected pharmacodynamic effects of a single dose of exogenous GABA in horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2015, 38, 113-122.	0.6	6
103	Pharmacokinetics and selected pharmacodynamics of cobalt following a single intravenous administration to horses. <i>Drug Testing and Analysis</i> , 2015, 7, 619-625.	1.6	33
104	Characterization of equine urinary metabolites of selective androgen receptor modulators (SARMs) S1, S4 and S22 for doping control purposes. <i>Drug Testing and Analysis</i> , 2015, 7, 673-683.	1.6	32
105	Effects of age on the pharmacokinetics and selected pharmacodynamics of intravenously administered fentanyl in foals. <i>Equine Veterinary Journal</i> , 2015, 47, 72-77.	0.9	5
106	Pharmacokinetics and effects on thromboxane B ₂ production following intravenous administration of flunixin meglumine to exercised thoroughbred horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2015, 38, 313-320.	0.6	9
107	<i>Analgesic Pharmacology</i> , 2015, , 55-57.		1
108	Disposition and metabolic profile of the weak androgen Dehydroepiandrosterone (DHEA) following administration as part of a nutritional supplement to exercised horses. <i>Drug Testing and Analysis</i> , 2015, 7, 39-47.	1.6	5

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109	Pharmacokinetics of Ceftiofur Crystalline Free Acid in Male Rhesus Macaques (<i>Macaca mulatta</i>) after Subcutaneous Administration. <i>Journal of the American Association for Laboratory Animal Science</i> , 2015, 54, 557-63.	0.6	10
110	Effects of three antagonists on selected pharmacodynamic effects of sublingually administered detomidine in the horse. <i>Veterinary Anaesthesia and Analgesia</i> , 2014, 41, 36-47.	0.3	8
111	Preliminary pharmacokinetics of morphine and its major metabolites following intravenous administration of four doses to horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2014, 37, 374-381.	0.6	29
112	Detection and pharmacokinetics of three formulations of firocoxib following multiple administrations to horses. <i>Equine Veterinary Journal</i> , 2014, 46, 734-738.	0.9	25
113	Disposition of methylprednisolone acetate in plasma, urine, and synovial fluid following intra-articular administration to exercised thoroughbred horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2014, 37, 125-132.	0.6	16
114	Pharmacokinetics and physiological effects of repeated oral administrations of tramadol in horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2014, 37, 269-278.	0.6	15
115	Detection, pharmacokinetics and cardiac effects following administration of clenbuterol to exercised horses. <i>Equine Veterinary Journal</i> , 2014, 46, 380-385.	0.9	5
116	Pharmacokinetics and pharmacodynamics of butorphanol following intravenous administration to the horse. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2013, 36, 21-30.	0.6	42
117	Pharmacokinetics of triamcinolone acetonide following intramuscular and intra-articular administration to exercised Thoroughbred horses. <i>Equine Veterinary Journal</i> , 2013, 45, 715-720.	0.9	27
118	Pharmacokinetics and selected pharmacodynamic effects of tramadol following intravenous administration to the horse. <i>Equine Veterinary Journal</i> , 2013, 45, 490-496.	0.9	15
119	Pharmacokinetics and pharmacodynamics of tramadol in horses following oral administration. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2013, 36, 389-398.	0.6	21
120	The effects of yohimbine on the pharmacokinetic parameters of detomidine in the horse. <i>Veterinary Anaesthesia and Analgesia</i> , 2012, 39, 221-229.	0.3	11
121	Pharmacokinetics of grapiprant and effects on TNF- α concentrations following oral administration to horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 0, , .	0.6	2
122	Pharmacokinetics of maropitant citrate in Rhode Island Red chickens (<i>Gallus gallus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (d Therapeutics, 0, , .	0.6	2