

Heather K Knych

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113
papers

647
citations

14
h-index

18
g-index

122
ext. papers

876
ext. citations

2
avg, IF

4.41
L-index

#	Paper	IF	Citations
113	Pharmacokinetics and pharmacodynamics of butorphanol following intravenous administration to the horse. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2013 , 36, 21-30	1.4	33
112	Pharmacokinetics and selected pharmacodynamics of cobalt following a single intravenous administration to horses. <i>Drug Testing and Analysis</i> , 2015 , 7, 619-25	3.5	29
111	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, 673-83	3.5	22
110	Pharmacokinetics of triamcinolone acetonide following intramuscular and intra-articular administration to exercised Thoroughbred horses. <i>Equine Veterinary Journal</i> , 2013 , 45, 715-20	2.4	19
109	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, 374-81	1.4	19
108	Detection and pharmacokinetics of three formulations of firocoxib following multiple administrations to horses. <i>Equine Veterinary Journal</i> , 2014 , 46, 734-8	2.4	19
107	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	1.1	18
106	Investigation of the selective androgen receptor modulators S1, S4 and S22 and their metabolites in equine plasma using high-resolution mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 833-42	2.2	18
105	Pharmacokinetics and pharmacodynamics of tramadol in horses following oral administration. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2013 , 36, 389-98	1.4	17
104	Pharmacokinetics of detomidine following intravenous or oral-transmucosal administration and sedative effects of the oral-transmucosal treatment in dogs. <i>American Journal of Veterinary Research</i> , 2016 , 77, 413-20	1.1	16
103	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	1.4	14
102	Nonsteroidal Anti-inflammatory Drug Use in Horses. <i>Veterinary Clinics of North America Equine Practice</i> , 2017 , 33, 1-15	1.9	14
101	Pharmacokinetics and selected pharmacodynamic effects of tramadol following intravenous administration to the horse. <i>Equine Veterinary Journal</i> , 2013 , 45, 490-6	2.4	14
100	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	3.2	14
99	Evidence for polymorphism in the cytochrome P450 2D50 gene in horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2016 , 39, 245-54	1.4	13
98	Effects of constant rate infusions of dexmedetomidine or MK-467 on the minimum alveolar concentration of sevoflurane in dogs. <i>Veterinary Anaesthesia and Analgesia</i> , 2017 , 44, 755-765	1.3	13
97	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, 125-32	1.4	13

96	Pharmacokinetics and antinociceptive effects of the soluble epoxide hydrolase inhibitor t-TUCB in horses with experimentally induced radiocarpal synovitis. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2018 , 41, 230-238	1.4	12
95	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, 528-31	2.4	12
94	Pharmacokinetics and physiological effects of repeated oral administrations of tramadol in horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2014 , 37, 269-78	1.4	11
93	Pharmacokinetic and pharmacodynamics of xylazine administered to exercised thoroughbred horses. <i>Drug Testing and Analysis</i> , 2017 , 9, 713-720	3.5	11
92	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	2.4	11
91	Pharmacokinetics of butorphanol tartrate in a long-acting poloxamer 407 gel formulation administered to Hispaniolan Amazon parrots (<i>Amazona ventralis</i>). <i>American Journal of Veterinary Research</i> , 2017 , 78, 688-694	1.1	10
90	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	1.4	10
89	Disposition, behavioural and physiological effects of escalating doses of intravenously administered fentanyl to young foals. <i>Equine Veterinary Journal</i> , 2015 , 47, 592-8	2.4	10
88	Pharmacokinetics and efficacy of intravenous famotidine in adult cattle. <i>Journal of Veterinary Internal Medicine</i> , 2018 , 32, 1283-1289	3.1	9
87	The effects of yohimbine on the pharmacokinetic parameters of detomidine in the horse. <i>Veterinary Anaesthesia and Analgesia</i> , 2012 , 39, 221-9	1.3	9
86	Pharmacokinetics and effects on thromboxane B2 production following intravenous administration of flunixin meglumine to exercised thoroughbred horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2015 , 38, 313-20	1.4	8
85	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	1.4	8
84	The pharmacokinetics and pharmacodynamics of intravenous hydromorphone in horses. <i>Veterinary Anaesthesia and Analgesia</i> , 2019 , 46, 395-404	1.3	8
83	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	2.4	7
82	In vitro characterization of a formulation of butorphanol tartrate in a poloxamer 407 base intended for use as a parenterally administered slow-release analgesic agent. <i>American Journal of Veterinary Research</i> , 2017 , 78, 677-687	1.1	7
81	Detection and pharmacokinetics of grapiprant following oral administration to exercised Thoroughbred horses. <i>Drug Testing and Analysis</i> , 2018 , 10, 1237	3.5	7
80	Pharmacokinetics of methocarbamol and phenylbutazone in exercised Thoroughbred horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2016 , 39, 469-77	1.4	7
79	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	6	7

78	Concentrations of medetomidine enantiomers and vatinoxan, an β -adrenoceptor antagonist, in plasma and central nervous tissue after intravenous coadministration in dogs. <i>Veterinary Anaesthesia and Analgesia</i> , 2020 , 47, 47-52	1.3	7
77	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	2.4	6
76	Effect of dexmedetomidine on the minimum infusion rate of propofol preventing movement in dogs. <i>Veterinary Anaesthesia and Analgesia</i> , 2017 , 44, 1287-1295	1.3	6
75	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, 113-121	1.4	6
74	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	1.3	6
73	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	3.5	6
72	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	1.4	5
71	Detection, pharmacokinetics and cardiac effects following administration of clenbuterol to exercised horses. <i>Equine Veterinary Journal</i> , 2014 , 46, 380-5	2.4	5
70	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	1.3	5
69	Drug Residues after Intravenous Anesthesia and Intrathecal Lidocaine Hydrochloride Euthanasia in Horses. <i>Journal of Veterinary Internal Medicine</i> , 2016 , 30, 1322-6	3.1	5
68	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	1.3	5
67	Effects of age on the pharmacokinetics and selected pharmacodynamics of intravenously administered fentanyl in foals. <i>Equine Veterinary Journal</i> , 2015 , 47, 72-7	2.4	4
66	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	3.5	4
65	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	3.5	4
64	Clearance of corticosteroids following intra-articular administration of clinical doses to racehorses. <i>Equine Veterinary Education</i> , 2016 , 28, 140-144	0.6	4
63	5 α -Dihydroprogesterone concentrations and synthesis in non-pregnant mares. <i>Journal of Endocrinology</i> , 2018 , 238, 25-32	4.7	4
62	Evaluation of the sedative effects and pharmacokinetics of detomidine gel administered intravaginally to horses. <i>Veterinary Anaesthesia and Analgesia</i> , 2019 , 46, 772-779	1.3	4
61	Pharmacokinetics and pharmacodynamics of intravenous romifidine and propranolol administered alone or in combination for equine sedation. <i>Veterinary Anaesthesia and Analgesia</i> , 2017 , 44, 86-97	1.3	4

60	Pharmacokinetics of a Novel, Transdermal Fentanyl Solution in Rhesus Macaques (). <i>Journal of the American Association for Laboratory Animal Science</i> , 2017 , 56, 443-451	1.3	4
59	Pharmacokinetics and pharmacodynamics of hydromorphone after intravenous and intramuscular administration in horses. <i>Veterinary Anaesthesia and Analgesia</i> , 2020 , 47, 210-218	1.3	4
58	Serum, milk, and tissue monensin concentrations in cattle with adequate and potentially toxic dietary levels of monensin: pharmacokinetics and diagnostic interpretation. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2016 , 39, 363-72	1.4	4
57	Effects of age on the pharmacokinetics of tramadol and its active metabolite, O-desmethyltramadol following intravenous administration to foals. <i>Equine Veterinary Journal</i> , 2016 , 48, 65-71	2.4	4
56	Differential expression of skeletal muscle genes following administration of clenbuterol to exercised horses. <i>BMC Genomics</i> , 2016 , 17, 596	4.5	4
55	Pharmacokinetics of betamethasone in plasma, urine, and synovial fluid following intra-articular administration to exercised thoroughbred horses. <i>Drug Testing and Analysis</i> , 2017 , 9, 1385-1391	3.5	3
54	Pharmacokinetics and pharmacodynamics of meldonium in exercised thoroughbred horses. <i>Drug Testing and Analysis</i> , 2017 , 9, 1392-1399	3.5	3
53	Pharmacokinetic and Efficacy Study of Acyclovir Against Cyprinid Herpesvirus 3 in. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 587952	3.1	3
52	Pharmacokinetics of ketoprofen enantiomers following intravenous and oral administration to exercised Thoroughbred horses. <i>Veterinary Journal</i> , 2016 , 207, 196-8	2.5	3
51	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	2.4	3
50	Pharmacokinetics of dextromethorphan and its metabolites in horses following a single oral administration. <i>Drug Testing and Analysis</i> , 2017 , 9, 880-887	3.5	3
49	Pharmacokinetics and pharmacodynamics of clodronate disodium evaluated in plasma, synovial fluid and urine. <i>Equine Veterinary Journal</i> , 2020 , 52, 725-732	2.4	3
48	Elimination of cetirizine following administration of multiple doses to exercised thoroughbred horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2016 , 39, 522-4	1.4	3
47	Dextromethorphan and debrisoquine metabolism and polymorphism of the gene for cytochrome P450 isozyme 2D50 in Thoroughbreds. <i>American Journal of Veterinary Research</i> , 2016 , 77, 1029-35	1.1	3
46	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, 141-7	3.5	3
45	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	2.3	3
44	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	3.5	3
43	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	1.4	2

42	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	3.5	2
41	Effect of Meperidine on Equine Blood Histamine, Tryptase, and Immunoglobulin-E Concentrations. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 584922	3.1	2
40	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	1.4	2
39	Pharmacokinetics of guaifenesin following administration of multiple doses to exercised Thoroughbred horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2016 , 39, 416-9	1.4	2
38	Evaluation of Orally Administered Atorvastatin on Plasma Lipid and Biochemistry Profiles in Hypercholesterolemic Hispaniolan Amazon Parrots () 2020 , 34, 32-40		2
37	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	2.7	2
36	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	1.3	2
35	Equine antimicrobial therapy: Current and past issues facing practitioners. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2021 , 44, 270-279	1.4	2
34	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	2.4	2
33	Pharmacokinetics of single doses of maropitant citrate in adult horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019 , 42, 487-491	1.4	1
32	Pharmacokinetics of chloramphenicol base in horses and comparison to compounded formulations. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019 , 42, 609-616	1.4	1
31	Analgesic Pharmacology 2015 , 55-57		1
30	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	1.3	1
29	Pharmacokinetics of multiple doses of chloramphenicol in fed adult horses. <i>Veterinary Journal</i> , 2020 , 257, 105446	2.5	1
28	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	2.4	1
27	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	1.3	1
26	The pharmacokinetics of a fentanyl matrix patch applied at three different anatomical locations in horses. <i>Equine Veterinary Journal</i> , 2022 , 54, 153-158	2.4	1
25	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,	2.8	1

24	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	1.3	1
23	Pharmacokinetics and pharmacodynamics of meperidine after intramuscular and subcutaneous administration in horses. <i>Veterinary Surgery</i> , 2021 , 50, 410-417	1.7	1
22	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,	5.6	1
21	Pharmacokinetics and selected pharmacodynamics of romifidine following low-dose intravenous administration in combination with exercise to quarter horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2017 , 40, 569-574	1.4	0
20	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	1.4	0
19	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	2.3	0
18	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	1.4	0
17	Anesthetic Pharmacology of the Mint Extracts L-Carvone and Methyl Salicylate.. <i>Pharmacology</i> , 2022 , 1-12	2.3	0
16	Pharmacokinetics of pimobendan following oral administration to New Zealand White rabbits (<i>Oryctolagus cuniculus</i>).. <i>American Journal of Veterinary Research</i> , 2022 , 1-8	1.1	0
15	Detection and residence time of bisphosphonates in bone of horses.. <i>Journal of Veterinary Diagnostic Investigation</i> , 2022 , 34, 23-27	1.5	0
14	Pharmacokinetics of grapiprant administered to red-tailed hawks () after food was withheld for 24 hours. <i>American Journal of Veterinary Research</i> , 2021 , 82, 912-919	1.1	0
13	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	1.3	0
12	SARCOCYSTOSIS IN A CAPTIVE FLOCK OF THICK-BILLED PARROTS () FROM 2005 TO 2016: MORBIDITY, MORTALITY, DIAGNOSTICS, AND MANAGEMENT STRATEGIES. <i>Journal of Zoo and Wildlife Medicine</i> , 2021 , 52, 206-216	0.9	0
11	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	1.4	0
10	Drug content on receipt and over time for compounded formulations of famciclovir. <i>Journal of Feline Medicine and Surgery</i> , 2021 , 23, 519-525	2.3	0
9	Functional phenotyping of the CYP2D6 probe drug codeine in the horse. <i>BMC Veterinary Research</i> , 2021 , 17, 77	2.7	0
8	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-e39	1.8	0
7	L- and D-threo ethylphenidate concentrations, pharmacokinetics, and pharmacodynamics in horses. <i>Drug Testing and Analysis</i> , 2018 , 10, 1508-1517	3.5	0

6	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	1.4
5	Pharmacokinetics of Intravenous and Oral Phenobarbital Sodium in Healthy Goats. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 86	3.1
4	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	0.9
3	Pharmacokinetics of a Single Dose of Oral Meloxicam in Rehabilitated Wild Brown Pelicans () 2020 , 34, 329-337	
2	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	1.4
1	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	1.4