

Jim E Riviere

List of Publications by Year in Descending Order

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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.

249
papers

8,432
citations

46
h-index

83
g-index

258
ext. papers

9,330
ext. citations

4.4
avg, IF

6.23
L-index

#	Paper	IF	Citations
249	Mechanisms of toxicity and residue considerations of rodenticide exposure in food Animals-a FARAD perspective.. <i>Journal of the American Veterinary Medical Association</i> , 2022 , 1-10	1	0
248	Update on withdrawal intervals following extralabel use of procaine penicillin G in cattle and swine. <i>Journal of the American Veterinary Medical Association</i> , 2022 , 1-6	1	0
247	Predicting Nanoparticle Delivery to Tumors Using Machine Learning and Artificial Intelligence Approaches.. <i>International Journal of Nanomedicine</i> , 2022 , 17, 1365-1379	7.3	2
246	Physiological parameter values for physiologically based pharmacokinetic models in food-producing animals. Part III: Sheep and goat. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2021 , 44, 456-477	1.4	6
245	Data-driven methodology for discovery and response to pulmonary symptomology in hypertension through statistical learning and data mining: Application to COVID-19 related pharmacovigilance. <i>ELife</i> , 2021 , 10,	8.9	1
244	Extraction of Chlorobenzenes and PCBs from Water by ZnO Nanoparticles. <i>Processes</i> , 2021 , 9, 1764	2.9	
243	Pulmonary adverse drug event data in hypertension with implications on COVID-19 morbidity. <i>Scientific Reports</i> , 2021 , 11, 13349	4.9	2
242	Development and Application of an Interactive Physiologically Based Pharmacokinetic (iPBPK) Model to Predict Oxytetracycline Tissue Distribution and Withdrawal Intervals in Market-Age Sheep and Goats. <i>Toxicological Sciences</i> , 2021 , 183, 253-268	4.4	3
241	Pharmacovigilance in patients with diabetes: A data-driven analysis identifying specific RAS antagonists with adverse pulmonary safety profiles that have implications for COVID-19 morbidity and mortality. <i>Journal of the American Pharmacists Association: JAPhA</i> , 2020 , 60, e145-e152	1.7	5
240	A study to assess the correlation between plasma, oral fluid and urine concentrations of flunixin meglumine with the tissue residue depletion profile in finishing-age swine. <i>BMC Veterinary Research</i> , 2020 , 16, 211	2.7	1
239	Meta-Analysis of Nanoparticle Delivery to Tumors Using a Physiologically Based Pharmacokinetic Modeling and Simulation Approach. <i>ACS Nano</i> , 2020 , 14, 3075-3095	16.7	68
238	Physiological parameter values for physiologically based pharmacokinetic models in food-producing animals. Part I: Cattle and swine. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2020 , 43, 385-420	1.4	11
237	Physiological parameter values for physiologically based pharmacokinetic models in food-producing animals. Part II: Chicken and turkey. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2020 , 44, 423	1.4	5
236	Integration of Food Animal Residue Avoidance Databank (FARAD) empirical methods for drug withdrawal interval determination with a mechanistic population-based interactive physiologically based pharmacokinetic (iPBPK) modeling platform: example for flunixin meglumine administration. <i>Archives of Toxicology</i> , 2019 , 93, 1865-1880	5.8	13
235	An integrated experimental and physiologically based pharmacokinetic modeling study of penicillin G in heavy sows. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019 , 42, 461-475	1.4	8
234	Development and application of a population physiologically based pharmacokinetic model for florfenicol and its metabolite florfenicol amine in cattle. <i>Food and Chemical Toxicology</i> , 2019 , 126, 285-294	4.7	11
233	Extralabel drug use in wildlife and game animals. <i>Journal of the American Veterinary Medical Association</i> , 2019 , 255, 555-568	1	1

232	Making Sense of Pharmacovigilance and Drug Adverse Event Reporting: Comparative Similarity Association Analysis Using AI Machine Learning Algorithms in Dogs and Cats. <i>Topics in Companion Animal Medicine</i> , 2019 , 37, 100366	1.1	7
231	Novel Data Sharing Agreement to Accelerate Big Data Translational Research Projects in the One Health Sphere. <i>Topics in Companion Animal Medicine</i> , 2019 , 37, 100367	1.1	4
230	Probabilistic risk assessment of gold nanoparticles after intravenous administration by integrating in vitro and in vivo toxicity with physiologically based pharmacokinetic modeling. <i>Nanotoxicology</i> , 2018 , 12, 453-469	5.3	16
229	Computational Approaches to Predicting Dermal Absorption of Complex Topical Mixtures 2018 , 269-290		
228	Probabilistic Physiologically Based Pharmacokinetic Model for Penicillin G in Milk From Dairy Cows Following Intramammary or Intramuscular Administrations. <i>Toxicological Sciences</i> , 2018 , 164, 85-100	4.4	19
227	Variation in fluoroquinolone pharmacodynamic parameter values among isolates of two bacterial pathogens of bovine respiratory disease. <i>Scientific Reports</i> , 2018 , 8, 10553	4.9	2
226	Modeling gold nanoparticle biodistribution after arterial infusion into perfused tissue: effects of surface coating, size and protein corona. <i>Nanotoxicology</i> , 2018 , 12, 1093-1112	5.3	12
225	Extralabel drug use in small ruminants. <i>Journal of the American Veterinary Medical Association</i> , 2018 , 253, 1001-1009	1	7
224	Influence of some plant extracts on the transdermal absorption and penetration of marker penetrants. <i>Cutaneous and Ocular Toxicology</i> , 2017 , 36, 60-66	1.8	6
223	Avoiding violative flunixin meglumine residues in cattle and swine. <i>Journal of the American Veterinary Medical Association</i> , 2017 , 250, 182-189	1	9
222	Zinc Oxide Nanoparticle-Poly I:C RNA Complexes: Implication as Therapeutics against Experimental Melanoma. <i>Molecular Pharmaceutics</i> , 2017 , 14, 614-625	5.6	24
221	Biological Surface Adsorption Index of Nanomaterials: Modelling Surface Interactions of Nanomaterials with Biomolecules. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 947, 207-253	3.6	3
220	Performance Assessment and Translation of Physiologically Based Pharmacokinetic Models From acslX to Berkeley Madonna, MATLAB, and R Language: Oxytetracycline and Gold Nanoparticles As Case Examples. <i>Toxicological Sciences</i> , 2017 , 158, 23-35	4.4	40
219	Surface chemistry of gold nanoparticles determines the biocorona composition impacting cellular uptake, toxicity and gene expression profiles in human endothelial cells. <i>Nanotoxicology</i> , 2017 , 11, 507-519	5.3	79
218	Guide to FARAD resources: historical and future perspectives. <i>Journal of the American Veterinary Medical Association</i> , 2017 , 250, 1131-1139	1	13
217	The Effects of Vehicle Mixtures on Transdermal Absorption: Thermodynamics, Mechanisms, Assessment, and Prediction 2017 , 95-117		1
216	Development and application of a population physiologically based pharmacokinetic model for penicillin G in swine and cattle for food safety assessment. <i>Food and Chemical Toxicology</i> , 2017 , 107, 74-87	4.7	36
215	Pharmacokinetics of Mequindox and Its Marker Residue 1,4-Bisdesoxyequindox in Swine Following Multiple Oral Gavage and Intramuscular Administration: An Experimental Study Coupled with Population Physiologically Based Pharmacokinetic Modeling. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 5768-5777	5.7	11

214	NanoEHS beyond Toxicity - Focusing on Biocorona. <i>Environmental Science: Nano</i> , 2017 , 7, 1433-1454	7.1	33
213	Modulation of chemical dermal absorption by 14 natural products: a quantitative structure permeation analysis of components often found in topical preparations. <i>Cutaneous and Ocular Toxicology</i> , 2017 , 36, 237-252	1.8	6
212	Biological and environmental surface interactions of nanomaterials: characterization, modeling, and prediction. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017 , 9, e1440	9.2	21
211	Protein corona modulation of hepatocyte uptake and molecular mechanisms of gold nanoparticle toxicity. <i>Nanotoxicology</i> , 2017 , 11, 64-75	5.3	79
210	A physiologically based pharmacokinetic model for polyethylene glycol-coated gold nanoparticles of different sizes in adult mice. <i>Nanotoxicology</i> , 2016 , 10, 162-72	5.3	44
209	Exploring Post-Treatment Reversion of Antimicrobial Resistance in Enteric Bacteria of Food Animals as a Resistance Mitigation Strategy. <i>Foodborne Pathogens and Disease</i> , 2016 , 13, 610-617	3.8	6
208	Human Food Safety Implications of Variation in Food Animal Drug Metabolism. <i>Scientific Reports</i> , 2016 , 6, 27907	4.9	22
207	Estimation of tulathromycin depletion in plasma and milk after subcutaneous injection in lactating goats using a nonlinear mixed-effects pharmacokinetic modeling approach. <i>BMC Veterinary Research</i> , 2016 , 12, 258	2.7	10
206	Oxidative stress response in canine in vitro liver, kidney and intestinal models with seven potential dietary ingredients. <i>Toxicology Letters</i> , 2016 , 241, 49-59	4.4	11
205	A computational framework for interspecies pharmacokinetics, exposure and toxicity assessment of gold nanoparticles. <i>Nanomedicine</i> , 2016 , 11, 107-19	5.6	73
204	Screening and Confirmatory Analyses of Flunixin in Tissues and Bodily Fluids after Intravenous or Intramuscular Administration to Cull Dairy Cows with or without Lipopolysaccharide Challenge. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 336-45	5.7	10
203	Health concerns and management of select veterinary drug residues. <i>Food and Chemical Toxicology</i> , 2016 , 88, 112-22	4.7	144
202	Pharmacokinetics and tissue elimination of flunixin in veal calves. <i>American Journal of Veterinary Research</i> , 2016 , 77, 634-40	1.1	8
201	Assessment of penetrant and vehicle mixture properties on transdermal permeability using a mixed effect pharmacokinetic model of ex vivo porcine skin. <i>Biopharmaceutics and Drug Disposition</i> , 2016 , 37, 387-396	1.7	2
200	Limitations of MIC as sole metric of pharmacodynamic response across the range of antimicrobial susceptibilities within a single bacterial species. <i>Scientific Reports</i> , 2016 , 6, 37907	4.9	21
199	Quantification of nanoparticle pesticide adsorption: computational approaches based on experimental data. <i>Nanotoxicology</i> , 2016 , 10, 1118-28	5.3	15
198	Gold and silver nanoparticle interactions with human proteins: impact and implications in biocorona formation. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 2075-2082	7.3	79
197	Excretory, Secretory, and Tissue Residues after Label and Extra-label Administration of Flunixin Meglumine to Saline- or Lipopolysaccharide-Exposed Dairy Cows. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 4893-901	5.7	20

196	Safety assessment of potential food ingredients in canine hepatocytes. <i>Food and Chemical Toxicology</i> , 2015 , 78, 105-15	4.7	6
195	Estimation of residue depletion of cyadox and its marker residue in edible tissues of pigs using physiologically based pharmacokinetic modelling. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015 , 32, 2002-17	3.2	6
194	Quantification of vehicle mixture effects on in vitro transdermal chemical flux using a random process diffusion model. <i>Journal of Controlled Release</i> , 2015 , 217, 74-81	11.7	6
193	Predicting Adsorption Affinities of Small Molecules on Carbon Nanotubes Using Molecular Dynamics Simulation. <i>ACS Nano</i> , 2015 , 9, 11761-74	16.7	63
192	Development and application of a multiroute physiologically based pharmacokinetic model for oxytetracycline in dogs and humans. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 233-43	3.9	40
191	Pharmacokinetics of metallic nanoparticles. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2015 , 7, 189-217	9.2	135
190	Pharmacokinetics, tissue distribution, and excretion of nomegestrol acetate in female rats. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2015 , 40, 435-42	2.7	6
189	Predicting the impact of biocorona formation kinetics on interspecies extrapolations of nanoparticle biodistribution modeling. <i>Nanomedicine</i> , 2015 , 10, 25-33	5.6	40
188	Comparison of pharmacokinetics and milk elimination of flunixin in healthy cows and cows with mastitis. <i>Journal of the American Veterinary Medical Association</i> , 2015 , 246, 118-25	1	33
187	Differential effects of some natural compounds on the transdermal absorption and penetration of caffeine and salicylic acid. <i>International Journal of Pharmaceutics</i> , 2015 , 483, 151-7	6.5	6
186	A framework for meta-analysis of veterinary drug pharmacokinetic data using mixed effect modeling. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 1230-9	3.9	21
185	Nanoparticle surface characterization and clustering through concentration-dependent surface adsorption modeling. <i>ACS Nano</i> , 2014 , 8, 9446-56	16.7	26
184	The application of allometric scaling principles to predict pharmacokinetic parameters across species. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2014 , 10, 1241-53	5.5	66
183	Development of a physiologically based pharmacokinetic model for flunixin in cattle (<i>Bos taurus</i>). <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2014 , 31, 1506-21	3.2	29
182	Residue Avoidance in Swine Production Systems 2014 , 221-231		
181	Physiologically Based Pharmacokinetic Modeling 2014 , 95-113		
180	Importance of Veterinary Drug Residues 2014 , 1-8		3
179	Population Pharmacokinetic Modeling to Predict Withdrawal Times 2014 , 81-94		

178	Residue Avoidance in Dairy Cattle Production Systems 2014 , 137-159		
177	Risk Management of Chemical Contaminants in Livestock 2014 , 303-312		
176	The Food Animal Residue Avoidance Databank 2014 , 289-301		1
175	Development of a mixed-effect pharmacokinetic model for vehicle modulated in vitro transdermal flux of topically applied penetrants. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 1002-12	3.9	7
174	Interspecies mixed-effect pharmacokinetic modeling of penicillin G in cattle and swine. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 4495-503	5.9	17
173	Pharmacokinetics and Biodistribution of Nanomaterials 2014 , 135-152		1
172	Comparison of ELISA and LC-MS/MS for the measurement of flunixin plasma concentrations in beef cattle after intravenous and subcutaneous administration. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 2679-86	5.7	13
171	Protein binding modulates the cellular uptake of silver nanoparticles into human cells: implications for in vitro to in vivo extrapolations?. <i>Toxicology Letters</i> , 2013 , 220, 286-93	4.4	93
170	Modeling the effect of experimental variables on the in vitro permeation of six model compounds across porcine skin. <i>International Journal of Pharmaceutics</i> , 2013 , 443, 58-67	6.5	11
169	Assessing vehicle effects on skin absorption using artificial membrane assays. <i>European Journal of Pharmaceutical Sciences</i> , 2013 , 50, 569-76	5.1	57
168	Limitations of MIC as the sole criterion in antimicrobial drug dosage regimen design: the need for full characterization of antimicrobial pharmacodynamic profile especially for drug-resistant organisms. <i>Veterinary Journal</i> , 2013 , 198, 15-8	2.5	9
167	Predicting skin permeability from complex vehicles. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 265-77	18.5	51
166	Computational approaches and metrics required for formulating biologically realistic nanomaterial pharmacokinetic models. <i>Computational Science & Discovery</i> , 2013 , 6, 014005		16
165	Effects of new sampling protocols on procaine penicillin G withdrawal intervals for cattle. <i>Journal of the American Veterinary Medical Association</i> , 2013 , 243, 1408-12	1	4
164	Assessing vehicle effects on skin absorption of non-volatile compounds using membrane-coated fiber arrays. <i>Cutaneous and Ocular Toxicology</i> , 2013 , 32, 283-9	1.8	2
163	Dynamics of nanoparticle-protein corona complex formation: analytical results from population balance equations. <i>PLoS ONE</i> , 2013 , 8, e64690	3.7	68
162	Vasomodulation influences on the transdermal delivery of Ibuprofen. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 4072-8	3.9	4
161	The effect of formulations and experimental conditions on in vitro human skin permeation-Data from updated EDETOX database. <i>International Journal of Pharmaceutics</i> , 2012 , 434, 280-91	6.5	26

160	Acute vascular effects of nanoparticle infusion in isolated perfused skin. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8, 428-31	6	6
159	Quantum dot penetration into viable human skin. <i>Nanotoxicology</i> , 2012 , 6, 173-85	5.3	89
158	Experimental factors affecting in vitro absorption of six model compounds across porcine skin. <i>Toxicology in Vitro</i> , 2012 , 26, 1191-8	3.6	14
157	Absorption 2012 , 25-52		1
156	Pharmacokinetics and tissue elimination of tulathromycin following subcutaneous administration in meat goats. <i>American Journal of Veterinary Research</i> , 2012 , 73, 1634-40	1.1	19
155	Lack of hydroxylated fullerene toxicity after intravenous administration to female Sprague-Dawley rats. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012 , 75, 367-73	3.2	16
154	In vitro biodistribution of silver nanoparticles in isolated perfused porcine skin flaps. <i>Journal of Applied Toxicology</i> , 2012 , 32, 913-9	4.1	11
153	Dermal toxicity 2012 , 337-350		3
152	Evaluation of factors important in modeling plasma concentrations of tetracycline hydrochloride administered in water in swine. <i>American Journal of Veterinary Research</i> , 2012 , 73, 1641-9	1.1	7
151	Mapping the surface adsorption forces of nanomaterials in biological systems. <i>ACS Nano</i> , 2011 , 5, 9074-8	16.7	114
150	Safety evaluation of sunscreen formulations containing titanium dioxide and zinc oxide nanoparticles in UVB sunburned skin: an in vitro and in vivo study. <i>Toxicological Sciences</i> , 2011 , 123, 264-80	4.4	274
149	Absorption 2011 , 39-71		
148	Compartmental Models 2011 , 143-186		1
147	Noncompartmental Models 2011 , 187-206		2
146	Nonlinear Models 2011 , 207-223		1
145	Physiological Models 2011 , 225-240		
144	Population Pharmacokinetic Models 2011 , 347-378		1
143	Tissue Residues and Withdrawal Times 2011 , 413-424		

142	Pharmacokinetics of tulathromycin following subcutaneous administration in meat goats. <i>Research in Veterinary Science</i> , 2011 , 90, 477-9	2.5	24
141	Predicting skin permeability from complex chemical mixtures: dependency of quantitative structure permeation relationships on biology of skin model used. <i>Toxicological Sciences</i> , 2011 , 119, 224-32	4.4	52
140	2011 ,		43
139	An index for characterization of nanomaterials in biological systems. <i>Nature Nanotechnology</i> , 2010 , 5, 671-5	28.7	277
138	Dermal Chemical Mixtures 2010 , 349-376		
137	Absorption 2010 , 877-892		2
136	Risks associated with melamine and related triazine contamination of food. <i>Emerging Health Threats Journal</i> , 2010 , 3, 7104		5
135	Surfactant effects on skin absorption of model organic chemicals: implications for dermal risk assessment studies. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2010 , 73, 725-37	3.2	9
134	New technologies for application to veterinary therapeutics. <i>Handbook of Experimental Pharmacology</i> , 2010 , 191-210	3.2	3
133	Disposition of melamine residues in blood and milk from dairy goats exposed to an oral bolus of melamine. <i>Food and Chemical Toxicology</i> , 2010 , 48, 2542-6	4.7	24
132	Evaluation of perfused porcine skin as a model system to quantitate tissue distribution of fullerene nanoparticles. <i>Toxicology Letters</i> , 2010 , 197, 1-6	4.4	13
131	Intrinsic biological property of colloidal fullerene nanoparticles (nC60): lack of lethality after high dose exposure to human epidermal and bacterial cells. <i>Toxicology Letters</i> , 2010 , 197, 128-34	4.4	36
130	Skin penetration and kinetics of pristine fullerenes (C60) topically exposed in industrial organic solvents. <i>Toxicology and Applied Pharmacology</i> , 2010 , 242, 29-37	4.6	77
129	Validated models for predicting skin penetration from different vehicles. <i>European Journal of Pharmaceutical Sciences</i> , 2010 , 41, 612-6	5.1	43
128	Dermal Absorption Modelling. <i>Environmental Pollution</i> , 2010 , 237-249	0	
127	Interaction of nanomaterials with skin: Aspects of absorption and biodistribution. <i>Nanotoxicology</i> , 2009 , 3, 188-193	5.3	32
126	Update on drugs prohibited from extralabel use in food animals. <i>Journal of the American Veterinary Medical Association</i> , 2009 , 235, 528-34	1	63
125	Pharmacokinetics of nanomaterials: an overview of carbon nanotubes, fullerenes and quantum dots. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2009 , 1, 26-34	9.2	87

124	Dermal permeation of biocides and aromatic chemicals in three generic formulations of metalworking fluids. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2009 , 72, 832-41	3.2	8
123	Comparison of quantum dot biodistribution with a blood-flow-limited physiologically based pharmacokinetic model. <i>Nano Letters</i> , 2009 , 9, 794-9	11.5	66
122	Elimination kinetics of tilmicosin following intramammary administration in lactating dairy cattle. <i>Journal of the American Veterinary Medical Association</i> , 2009 , 234, 245-8	1	3
121	Estimating meat withdrawal times in pigs exposed to melamine contaminated feed using a physiologically based pharmacokinetic model. <i>Regulatory Toxicology and Pharmacology</i> , 2008 , 51, 324-334	3.4	62
120	Extralabel use of nonsteroidal anti-inflammatory drugs in cattle. <i>Journal of the American Veterinary Medical Association</i> , 2008 , 232, 697-701	1	84
119	Pharmacokinetics of melamine in pigs following intravenous administration. <i>Food and Chemical Toxicology</i> , 2008 , 46, 1196-200	4.7	107
118	Quantification of chemical mixture interactions modulating dermal absorption using a multiple membrane fiber array. <i>Chemical Research in Toxicology</i> , 2008 , 21, 591-9	4	14
117	Sulfamethazine water medication pharmacokinetics and contamination in a commercial pig production unit. <i>Journal of Food Protection</i> , 2008 , 71, 584-9	2.5	9
116	Application of linear solvation energy relationships to a custom-made polyaniline solid-phase microextraction fiber and three commercial fibers. <i>Journal of Chromatography A</i> , 2008 , 1188, 108-17	4.5	8
115	Variables influencing interactions of untargeted quantum dot nanoparticles with skin cells and identification of biochemical modulators. <i>Nano Letters</i> , 2007 , 7, 1344-8	11.5	138
114	Partitioning behavior of aromatic components in jet fuel into diverse membrane-coated fibers. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2007 , 70, 1879-87	3.2	4
113	Predicting dermal permeability of biocides in commercial cutting fluids using a LSER approach. <i>Toxicology Letters</i> , 2007 , 175, 34-43	4.4	14
112	Biodistribution of quantum dot nanoparticles in perfused skin: evidence of coating dependency and periodicity in arterial extraction. <i>Nano Letters</i> , 2007 , 7, 2865-70	11.5	61
111	Surface coatings determine cytotoxicity and irritation potential of quantum dot nanoparticles in epidermal keratinocytes. <i>Journal of Investigative Dermatology</i> , 2007 , 127, 143-53	4.3	284
110	Biological stress response terminology: Integrating the concepts of adaptive response and preconditioning stress within a hormetic dose-response framework. <i>Toxicology and Applied Pharmacology</i> , 2007 , 222, 122-8	4.6	512
109	An experimentally based approach for predicting skin permeability of chemicals and drugs using a membrane-coated fiber array. <i>Toxicology and Applied Pharmacology</i> , 2007 , 221, 320-8	4.6	24
108	The future of veterinary therapeutics: a glimpse towards 2030. <i>Veterinary Journal</i> , 2007 , 174, 462-71	2.5	12
107	Membrane-coated fiber array approach for predicting skin permeability of chemical mixtures from different vehicles. <i>Toxicological Sciences</i> , 2007 , 99, 153-61	4.4	14

106	Current update on drugs for game bird species. <i>Journal of the American Veterinary Medical Association</i> , 2007 , 231, 1506-8	1	12
105	Name averaged, name pooled, and population pharmacokinetics of orally administered marbofloxacin in juvenile harbor seals. <i>Journal of the American Veterinary Medical Association</i> , 2007 , 230, 390-5	1	27
104	Physiologically based pharmacokinetic modeling 2007 , 42-50		
103	Dermal toxicity 2007 , 263-276		1
102	Regression method of the hydrophobicity ruler approach for determining octanol/water partition coefficients of very hydrophobic compounds. <i>Chemosphere</i> , 2007 , 66, 1086-93	8.4	7
101	Toxicity of jet fuel aliphatic and aromatic hydrocarbon mixtures on human epidermal keratinocytes: evaluation based on in vitro cytotoxicity and interleukin-8 release. <i>Archives of Toxicology</i> , 2006 , 80, 508-23 ^{5,8}	5.8	12
100	Extralabel use of penicillin in food animals. <i>Journal of the American Veterinary Medical Association</i> , 2006 , 229, 1401-3	1	23
99	Use of probabilistic modeling within a physiologically based pharmacokinetic model to predict sulfamethazine residue withdrawal times in edible tissues in swine. <i>Antimicrobial Agents and Chemotherapy</i> , 2006 , 50, 2344-51	5.9	70
98	Dermal Absorption/Toxicity of Organophosphates and Carbamates 2006 , 411-422		
97	Penetration of intact skin by quantum dots with diverse physicochemical properties. <i>Toxicological Sciences</i> , 2006 , 91, 159-65	4.4	388
96	Trace analysis of fullerenes in biological samples by simplified liquid-liquid extraction and high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2006 , 1129, 216-22	4.5	78
95	Development of a physiologic-based pharmacokinetic model for estimating sulfamethazine concentrations in swine and application to prediction of violative residues in edible tissues. <i>American Journal of Veterinary Research</i> , 2005 , 66, 1686-93	1.1	43
94	Multi-walled carbon nanotube interactions with human epidermal keratinocytes. <i>Toxicology Letters</i> , 2005 , 155, 377-84	4.4	645
93	Effect of formulation and route of administration on tissue residues and withdrawal times. <i>Journal of the American Veterinary Medical Association</i> , 2005 , 227, 1574-7	1	32
92	Pre-treatment effects of trichloroethylene on the dermal absorption of the biocide, triazine. <i>Toxicology Letters</i> , 2005 , 159, 252-60	4.4	5
91	Antidotes in food animal practice. <i>Journal of the American Veterinary Medical Association</i> , 2005 , 226, 884-7		10
90	Extralabel intramammary use of drugs in dairy cattle. <i>Journal of the American Veterinary Medical Association</i> , 2005 , 226, 1994-1996	1	17
89	Percutaneous Absorption of Chemical Mixtures. <i>Drugs and the Pharmaceutical Sciences</i> , 2005 , 155-163		1

88	Determination of the partition coefficients and absorption kinetic parameters of chemicals in a lipophilic membrane/water system by using a membrane-coated fiber technique. <i>European Journal of Pharmaceutical Sciences</i> , 2005 , 24, 15-23	5.1	9
87	Predicting skin permeability from complex chemical mixtures. <i>Toxicology and Applied Pharmacology</i> , 2005 , 208, 99-110	4.6	83
86	Effect of vehicles and sodium lauryl sulphate on xenobiotic permeability and stratum corneum partitioning in porcine skin. <i>Toxicology</i> , 2005 , 206, 325-35	4.4	21
85	Multivariate meta-analysis of pharmacokinetic studies of ampicillin trihydrate in cattle. <i>American Journal of Veterinary Research</i> , 2005 , 66, 108-12	1.1	5
84	Membrane uptake kinetics of jet fuel aromatic hydrocarbons from aqueous solutions studied by a membrane-coated fiber technique. <i>Toxicology Mechanisms and Methods</i> , 2005 , 15, 307-16	3.6	9
83	NDELA and nickel modulation of triazine disposition in skin. <i>Toxicology and Industrial Health</i> , 2005 , 21, 197-205	1.8	2
82	Aminoglycoside residues in food of animal origin. <i>Journal of the American Veterinary Medical Association</i> , 2005 , 227, 63-6	1	17
81	Chemical Mixtures 2005 , 283-303		1
80	Perfused Skin Models 2005 , 29-47		1
79	In Vivo Models 2005 , 49-70		
78	A Novel System Coefficient Approach for Systematic Assessment of Dermal Absorption from Chemical Mixtures 2005 , 71-88		
77	Drugs approved for small ruminants. <i>Journal of the American Veterinary Medical Association</i> , 2004 , 224, 520-3	1	19
76	Skin toxicity of jet fuels: ultrastructural studies and the effects of substance P. <i>Toxicology and Applied Pharmacology</i> , 2004 , 195, 339-47	4.6	37
75	A compartment model for the membrane-coated fiber technique used for determining the absorption parameters of chemicals into lipophilic membranes. <i>Pharmaceutical Research</i> , 2004 , 21, 1345-52	4.5	10
74	Characterization of polyacrylate membrane-coated fibers used in chemical absorption studies with programmed thermal treatment and FT-IR microscopy. <i>Analytical Chemistry</i> , 2004 , 76, 4245-50	7.8	6
73	Elimination kinetics of ceftiofur hydrochloride after intramammary administration in lactating dairy cows. <i>Journal of the American Veterinary Medical Association</i> , 2004 , 224, 1827-30	1	22
72	Comparative mixture effects of JP-8(100) additives on the dermal absorption and disposition of jet fuel hydrocarbons in different membrane model systems. <i>Toxicology Letters</i> , 2004 , 150, 351-65	4.4	26
71	Current approved drugs for aquatic species. <i>Journal of the American Veterinary Medical Association</i> , 2004 , 224, 50-1	1	9

70 Percutaneous Absorption of Complex Chemical Mixtures **2004**, 29-4069 Isolated Perfused Porcine Skin Flap **2004**, 563-58768 Percutaneous absorption of topical N,N-diethyl-m-toluamide (DEET): effects of exposure variables and coadministered toxicants. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2003**, 66, 133-51 3.2 2867 Update on FARAD food animal drug withholding recommendations. *Journal of the American Veterinary Medical Association*, **2003**, 223, 1277-8 1 2166 Evaluation of the advisory services provided by the Food Animal Residue Avoidance Databank. *Journal of the American Veterinary Medical Association*, **2003**, 223, 1596-8 1 465 A novel in-vitro technique for studying percutaneous permeation with a membrane-coated fiber and gas chromatography/mass spectrometry: part I. Performances of the technique and determination of the permeation rates and partition coefficients of chemical mixtures. *Pharmaceutical Research*, **2003**, 20, 275-82 4.5 1664 Pyridostigmine bromide modulates topical irritant-induced cytokine release from human epidermal keratinocytes and isolated perfused porcine skin. *Toxicology*, **2003**, 183, 15-28 4.4 2963 Percutaneous absorption of 2,6-di-tert-butyl-4-nitrophenol (DBNP) in isolated perfused porcine skin. *Toxicology in Vitro*, **2003**, 17, 289-92 3.6 1062 Dermal Disposition of Triazine in Cutting Fluid Mixtures. *Cutaneous and Ocular Toxicology*, **2003**, 22, 215-229 961 In Vitro Percutaneous Absorption of Nonylphenol (NP) and Nonylphenol Ethoxylates (NPE-4 and NPE-9) in Isolated Perfused Skin. *Cutaneous and Ocular Toxicology*, **2003**, 22, 1-11 460 Mixed-effects modeling of the interspecies pharmacokinetic scaling of oxytetracycline. *Journal of Pharmaceutical Sciences*, **2002**, 91, 331-41 3.9 1559 Analysis of N,N-diethyl-m-toluamide in porcine skin perfusates using solid-phase extraction disks and reversed-phase high-performance liquid chromatography. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2002**, 780, 45-52 3.2 458 Pyridostigmine bromide modulates the dermal disposition of [¹⁴C]permethrin. *Toxicology and Applied Pharmacology*, **2002**, 181, 164-73 4.6 2457 Physicochemical determinants of linear alkylbenzene sulfonate (LAS) disposition in skin exposed to aqueous cutting fluid mixtures. *Toxicology and Industrial Health*, **2002**, 18, 237-48 1.8 1556 The use of enzyme histochemistry in detecting cutaneous toxicity of three topically applied jet fuel mixtures. *Toxicology Mechanisms and Methods*, **2002**, 12, 17-34 3.6 855 Differential relationship between the carbon chain length of jet fuel aliphatic hydrocarbons and their ability to induce cytotoxicity vs. interleukin-8 release in human epidermal keratinocytes. *Toxicological Sciences*, **2002**, 69, 226-33 4.4 3754 Effect of chemical interactions in pentachlorophenol mixtures on skin and membrane transport. *Toxicological Sciences*, **2002**, 69, 295-305 4.4 3553 Extrapolated withdrawal-interval estimator (EWE) algorithm: a quantitative approach to establishing extralabel withdrawal times. *Regulatory Toxicology and Pharmacology*, **2002**, 36, 131-7 3.4 21

52	Gulf War related exposure factors influencing topical absorption of 14C-permethrin. <i>Toxicology Letters</i> , 2002 , 135, 61-71	4.4	16
51	THE USE OF ENZYME HISTOCHEMISTRY IN DETECTING CUTANEOUS TOXICITY OF THREE TOPICALLY APPLIED JET FUEL MIXTURES. <i>Toxicology Mechanisms and Methods</i> , 2002 , 12, 17-34	3.6	7
50	Mixture component effects on the in vitro dermal absorption of pentachlorophenol. <i>Archives of Toxicology</i> , 2001 , 75, 329-34	5.8	25
49	Use of methyl salicylate as a simulant to predict the percutaneous absorption of sulfur mustard. <i>Journal of Applied Toxicology</i> , 2001 , 21, 91-9	4.1	34
48	Effects of short-term high-dose and low-dose dermal exposure to Jet A, JP-8 and JP-8 + 100 jet fuels. <i>Journal of Applied Toxicology</i> , 2001 , 21, 485-94	4.1	42
47	Mixture effects of JP-8 additives on the dermal disposition of jet fuel components. <i>Toxicology and Applied Pharmacology</i> , 2001 , 175, 269-81	4.6	44
46	Enhanced systemic tissue distribution after dermal versus intravenous 3,3',4,4'-tetrachlorobiphenyl exposure: limited utility of radiolabel blood area under the curve and excretion data in dermal absorption calculations and tissue exposure assessment. <i>Toxicology and Applied Pharmacology</i> , 2001 , 177, 26-37	4.6	12
45	Effect of selective lipid extraction from different body regions on epidermal barrier function. <i>Pharmaceutical Research</i> , 2001 , 18, 992-8	4.5	43
44	Potential and problems of developing transdermal patches for veterinary applications. <i>Advanced Drug Delivery Reviews</i> , 2001 , 50, 175-203	18.5	114
43	Pesticide Disposition: Dermal Absorption 2001 , 515-530		0
42	COMPASS PLOTS: A COMBINATION OF STAR PLOT AND ANALYSIS OF MEANS TO VISUALIZE SIGNIFICANT INTERACTIONS IN COMPLEX TOXICOLOGY STUDIES 2000 , 10, 313-332		14
41	METHODS OF ASSESSING THE PERCUTANEOUS ABSORPTION OF VOLATILE CHEMICALS IN ISOLATED PERFUSED SKIN: STUDIES WITH CHLOROPENT AFLUOROBENZENE AND DICHLOROBENZENE 2000 , 10, 265-281		3
40	Comparative in vitro percutaneous absorption of nonylphenol and nonylphenol ethoxylates (NPE-4 and NPE-9) through human, porcine and rat skin. <i>Toxicology and Industrial Health</i> , 2000 , 16, 49-57	1.8	24
39	Dermal absorption and tissue disposition of 3,3',4,4'-tetrachlorobiphenyl (TCB) in an ex-vivo pig model: assessing the impact of dermal exposure variables. <i>International Journal of Occupational and Environmental Health</i> , 2000 , 6, 127-37		6
38	Extralabel use of ivermectin and moxidectin in food animals. <i>Journal of the American Veterinary Medical Association</i> , 2000 , 217, 668-71	1	28
37	Membrane transport of naphthalene and dodecane in jet fuel mixtures. <i>Toxicology and Industrial Health</i> , 2000 , 16, 225-238	1.8	28
36	The Food Animal Residue Avoidance Databank (FARAD). Past, present and future. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 1999 , 15, 75-88	4.6	7
35	Dermal absorption and distribution of topically dosed jet fuels jet-A, JP-8, and JP-8(100). <i>Toxicology and Applied Pharmacology</i> , 1999 , 160, 60-75	4.6	72

34	Estimating provisional acceptable residues for extralabel drug use in livestock. <i>Regulatory Toxicology and Pharmacology</i> , 1999 , 29, 287-99	3.4	19
33	Percutaneous absorption of salicylic acid, theophylline, 2, 4-dimethylamine, diethyl hexyl phthalic acid, and p-aminobenzoic acid in the isolated perfused porcine skin flap compared to man in vivo. <i>Toxicology and Applied Pharmacology</i> , 1998 , 151, 159-65	4.6	96
32	Pharmacokinetics and ovarian-stimulatory effects of equine and human chorionic gonadotropins administered singly and in combination in the domestic cat. <i>Biology of Reproduction</i> , 1997 , 57, 295-302	3.9	41
31	Cutaneous toxicity of the benzidine dye direct red 28 applied as mechanistically-defined chemical mixtures (MDCM) in perfused porcine skin. <i>Toxicology Letters</i> , 1997 , 93, 159-69	4.4	13
30	Pentachlorophenol dermal absorption and disposition from soil in swine: effects of occlusion and skin microorganism inhibition. <i>Toxicology and Applied Pharmacology</i> , 1997 , 147, 234-46	4.6	27
29	Electrically-assisted transdermal drug delivery. <i>Pharmaceutical Research</i> , 1997 , 14, 687-97	4.5	91
28	Interspecies allometric analysis of the comparative pharmacokinetics of 44 drugs across veterinary and laboratory animal species. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 1997 , 20, 453-63	1.4	100
27	Transdermal peptide delivery using electroporation. <i>Pharmaceutical Biotechnology</i> , 1997 , 10, 213-38		4
26	An in vitro-in vivo validation of the isolated perfused tumor and skin flap preparation as a model of cisplatin delivery to tumors. <i>Journal of Pharmacological and Toxicological Methods</i> , 1996 , 35, 173-7	1.7	7
25	The use of mechanistically defined chemical mixtures (MDCM) to assess component effects on the percutaneous absorption and cutaneous disposition of topically exposed chemicals. I. Studies with parathion mixtures in isolated perfused porcine skin. <i>Toxicology and Applied Pharmacology</i> , 1996 , 141, 473-86	4.6	36
24	The use of mechanistically defined chemical mixtures (MDCM) to assess mixture component effects on the percutaneous absorption and cutaneous disposition of topically exposed chemicals. II. Development of a general dermatopharmacokinetic model for use in risk assessment. <i>Toxicology and Applied Pharmacology</i> , 1996 , 141, 487-96	4.6	16
23	Isolated perfused porcine skin flap systems. <i>Pharmaceutical Biotechnology</i> , 1996 , 8, 387-407		3
22	The Pig as a Model for Cutaneous Pharmacology and Toxicology Research 1996 , 425-458		33
21	Pulsatile transdermal delivery of LHRH using electroporation: Drug delivery and skin toxicology. <i>Journal of Controlled Release</i> , 1995 , 36, 229-233	11.7	74
20	Evaluation of protective effects of sodium thiosulfate, cysteine, niacinamide and indomethacin on sulfur mustard-treated isolated perfused porcine skin. <i>Chemico-Biological Interactions</i> , 1995 , 96, 249-62	5	39
19	Detection of sulfur mustard bis (2-chloroethyl) sulfide and metabolites after topical application in the isolated perfused porcine skin flap. <i>Life Sciences</i> , 1995 , 56, 1385-94	6.8	11
18	A biophysically based dermatopharmacokinetic compartment model for quantifying percutaneous penetration and absorption of topically applied agents. I. Theory. <i>Journal of Pharmaceutical Sciences</i> , 1995 , 84, 599-608	3.9	24
17	Isoelectric focusing and capillary zone electrophoretic studies using luteinizing hormone releasing hormone and its analog. <i>Journal of Pharmaceutical Sciences</i> , 1994 , 83, 654-6	3.9	11

16	A "full-space" method for predicting in vivo transdermal plasma drug profiles reflecting both cutaneous and systemic variability. <i>Journal of Pharmaceutical Sciences</i> , 1994 , 83, 1062-4	3.9	7
15	Pharmacologic modulation of the cutaneous vasculature in the isolated perfused porcine skin flap. <i>Journal of Pharmaceutical Sciences</i> , 1994 , 83, 1682-9	3.9	19
14	Identification of the pathway of iontophoretic drug delivery: light and ultrastructural studies using mercuric chloride in pigs. <i>Pharmaceutical Research</i> , 1994 , 11, 251-6	4.5	68
13	Transdermal iontophoretic delivery of luteinizing hormone releasing hormone (LHRH): effect of repeated administration. <i>Pharmaceutical Research</i> , 1994 , 11, 1000-3	4.5	29
12	Transdermal Iontophoretic Peptide Delivery: In Vitro and In Vivo Studies with Luteinizing Hormone Releasing Hormone. <i>Journal of Pharmaceutical Sciences</i> , 1993 , 82, 240-243	3.9	41
11	Transdermal iontophoretic peptide delivery: in vitro and in vivo studies with luteinizing hormone releasing hormone. <i>Journal of Pharmaceutical Sciences</i> , 1993 , 82, 240-3	3.9	12
10	Effect of tumor presence on cisplatin and carboplatin: disposition in the isolated, perfused tumor and skin flap. <i>Cancer Chemotherapy and Pharmacology</i> , 1993 , 32, 31-8	3.5	3
9	Pharmacokinetic and phase I evaluation of carboplatin in dogs. <i>Journal of Veterinary Internal Medicine</i> , 1993 , 7, 235-40	3.1	57
8	Effect of humidity and occlusion on the percutaneous absorption of parathion in vitro. <i>Pharmaceutical Research</i> , 1993 , 10, 152-5	4.5	23
7	Topical penetration of piroxicam is dependent on the distribution of the local cutaneous vasculature. <i>Pharmaceutical Research</i> , 1993 , 10, 1326-31	4.5	51
6	Model systems in iontophoresis II transport efficacy. <i>Advanced Drug Delivery Reviews</i> , 1992 , 9, 265-287	18.5	59
5	Characterization of lewisite toxicity in isolated perfused skin. <i>Toxicology and Applied Pharmacology</i> , 1992 , 116, 189-201	4.6	22
4	The isolated perfused porcine skin flap as an in vitro model for percutaneous absorption and cutaneous toxicology. <i>Critical Reviews in Toxicology</i> , 1991 , 21, 329-44	5.7	77
3	Interspecies and interregional analysis of the comparative histologic thickness and laser Doppler blood flow measurements at five cutaneous sites in nine species. <i>Journal of Investigative Dermatology</i> , 1990 , 95, 582-6	4.3	171
2	Dermatotoxicology: Computational Risk Assessment 677-692		
1	Quantitative Structure-Permeability Relationships 27-38		