

Frans G M Russel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6204288/publications.pdf>

Version: 2024-02-01

280
papers

11,121
citations

31976

53
h-index

46799

89
g-index

291
all docs

291
docs citations

291
times ranked

12316
citing authors

#	ARTICLE	IF	CITATIONS
1	The MRP4/ABCC4 Gene Encodes a Novel Apical Organic Anion Transporter in Human Kidney Proximal Tubules. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 595-603.	6.1	433
2	Multidrug resistance protein 4 (MRP4/ABCC4): a versatile efflux transporter for drugs and signalling molecules. <i>Trends in Pharmacological Sciences</i> , 2008, 29, 200-207.	8.7	366
3	Diuretic efficacy of high dose furosemide in severe heart failure: Bolus injection versus continuous infusion. <i>Journal of the American College of Cardiology</i> , 1996, 28, 376-382.	2.8	246
4	The breast cancer resistance protein transporter ABCG2 is expressed in the human kidney proximal tubule apical membrane. <i>Kidney International</i> , 2008, 73, 220-225.	5.2	233
5	Molecular Aspects of Renal Anionic Drug Transport. <i>Annual Review of Physiology</i> , 2002, 64, 563-594.	13.1	224
6	Interaction of Nonsteroidal Anti-Inflammatory Drugs with Multidrug Resistance Protein (MRP) 2/ABCC2- and MRP4/ABCC4-Mediated Methotrexate Transport. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 229-235.	2.5	208
7	INTRAVENOUSLY ADMINISTERED SHORT INTERFERING RNA ACCUMULATES IN THE KIDNEY AND SELECTIVELY SUPPRESSES GENE FUNCTION IN RENAL PROXIMAL TUBULES. <i>Drug Metabolism and Disposition</i> , 2006, 34, 1393-1397.	3.3	203
8	Human organic anion transporter MRP4 (ABCC4) is an efflux pump for the purine end metabolite urate with multiple allosteric substrate binding sites. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, F327-F333.	2.7	201
9	Statin-Induced Myopathy Is Associated with Mitochondrial Complex III Inhibition. <i>Cell Metabolism</i> , 2015, 22, 399-407.	16.2	180
10	Usage patterns of personal care products: Important factors for exposure assessment. <i>Food and Chemical Toxicology</i> , 2013, 55, 8-17.	3.6	169
11	Novel conditionally immortalized human proximal tubule cell line expressing functional influx and efflux transporters. <i>Cell and Tissue Research</i> , 2010, 339, 449-457.	2.9	167
12	The Role of ATP Binding Cassette Transporters in Tissue Defense and Organ Regeneration. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 328, 3-9.	2.5	154
13	Selective iNOS inhibition for the treatment of sepsis-induced acute kidney injury. <i>Nature Reviews Nephrology</i> , 2009, 5, 629-640.	9.6	151
14	Controlled release of rhBMP-2 loaded poly(dl-lactic-co-glycolic acid)/calcium phosphate cement composites in vivo. <i>Journal of Controlled Release</i> , 2005, 106, 162-171.	9.9	146
15	Multidrug Resistance Protein 4 (MRP4/ABCC4) Regulates cAMP Cellular Levels and Controls Human Leukemia Cell Proliferation and Differentiation. <i>Journal of Biological Chemistry</i> , 2011, 286, 6979-6988.	3.4	142
16	Contribution of Multidrug Resistance Protein 2 (MRP2/ABCC2) to the Renal Excretion of p-aminohippurate (PAH) and Identification of MRP4 (ABCC4) as a Novel PAH Transporter. <i>Journal of the American Society of Nephrology: JASN</i> , 2004, 15, 2828-2835.	6.1	140
17	Alkaline phosphatase treatment improves renal function in severe sepsis or septic shock patients*. <i>Critical Care Medicine</i> , 2009, 37, 417-e1.	0.9	140
18	Molecular pharmacology of renal organic anion transporters. <i>American Journal of Physiology - Renal Physiology</i> , 2000, 279, F216-F232.	2.7	133

#	ARTICLE	IF	CITATIONS
19	Thiazide-Induced Vasodilation in Humans Is Mediated by Potassium Channel Activation. <i>Hypertension</i> , 1998, 32, 1071-1076.	2.7	116
20	Mechanisms and clinical implications of renal drug excretion*. <i>Drug Metabolism Reviews</i> , 2001, 33, 299-351.	3.6	114
21	Uremic Toxins Inhibit Transport by Breast Cancer Resistance Protein and Multidrug Resistance Protein 4 at Clinically Relevant Concentrations. <i>PLoS ONE</i> , 2011, 6, e18438.	2.5	113
22	In vivo release of rhBMP-2 loaded porous calcium phosphate cement pretreated with albumin. <i>Journal of Materials Science: Materials in Medicine</i> , 2006, 17, 919-927.	3.6	112
23	Breast Cancer Resistance Protein (Bcrp1/Abcg2) Limits Net Intestinal Uptake of Quercetin in Rats by Facilitating Apical Efflux of Glucuronides. <i>Molecular Pharmacology</i> , 2005, 67, 1999-2006.	2.3	108
24	Continuous infusion of furosemide in the treatment of patients with congestive heart failure and diuretic resistance. <i>Journal of Internal Medicine</i> , 1994, 235, 329-334.	6.0	105
25	Multidrug resistance-associated protein 4 regulates cAMP-dependent signaling pathways and controls human and rat SMC proliferation. <i>Journal of Clinical Investigation</i> , 2008, 118, 2747-2757.	8.2	105
26	Mechanisms of renal anionic drug transport. <i>European Journal of Pharmacology</i> , 2008, 585, 245-255.	3.5	104
27	Mechanisms of drug transfer across the human placenta. <i>International Journal of Clinical Pharmacy</i> , 1998, 20, 139-148.	1.4	100
28	Direct Vascular Effects of Furosemide in Humans. <i>Circulation</i> , 1997, 96, 1847-1852.	1.6	98
29	Curcumin-induced fibroblast apoptosis and <i>in vitro</i> wound contraction are regulated by antioxidants and heme oxygenase: implications for scar formation. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 712-725.	3.6	96
30	Endocrine Disruptors Differentially Target ATP-Binding Cassette Transporters in the Blood-Testis Barrier and Affect Leydig Cell Testosterone Secretion In Vitro. <i>Toxicological Sciences</i> , 2013, 136, 382-391.	3.1	96
31	Saturable Pharmacokinetics in the Renal Excretion of Drugs. <i>Clinical Pharmacokinetics</i> , 1989, 16, 38-54.	3.5	92
32	Disease-Associated Changes in Drug Transporters May Impact the Pharmacokinetics and/or Toxicity of Drugs: A White Paper From the International Transporter Consortium. <i>Clinical Pharmacology and Therapeutics</i> , 2018, 104, 900-915.	4.7	91
33	Physiologically-based pharmacokinetic models for children: Starting to reach maturation?. , 2020, 211, 107541.		90
34	Interaction of sulphonylurea derivatives with vascular ATP-sensitive potassium channels in humans. <i>Diabetologia</i> , 1996, 39, 1083-1090.	6.3	89
35	Brothers in Arms: ABCA1- and ABCG1-Mediated Cholesterol Efflux as Promising Targets in Cardiovascular Disease Treatment. <i>Pharmacological Reviews</i> , 2020, 72, 152-190.	16.0	89
36	Upregulation of Renal Inducible Nitric Oxide Synthase during Human Endotoxemia and Sepsis Is Associated with Proximal Tubule Injury. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2006, 1, 853-862.	4.5	85

#	ARTICLE	IF	CITATIONS
37	Effect of hypouricaemic and hyperuricaemic drugs on the renal urate efflux transporter, multidrug resistance protein 4. <i>British Journal of Pharmacology</i> , 2008, 155, 1066-1075.	5.4	81
38	Therapeutic implications of renal anionic drug transporters. , 2010, 126, 200-216.		81
39	The ABCs of multidrug resistance in malaria. <i>Trends in Parasitology</i> , 2010, 26, 440-446.	3.3	81
40	The kinetic and biological activity of different loaded rhBMP-2 calcium phosphate cement implants in rats. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 87A, 780-791.	4.0	80
41	Inhibitory Potential of Antifungal Drugs on ATP-Binding Cassette Transporters P-Glycoprotein, MRP1 to MRP5, BCRP, and BSEP. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3372-3379.	3.2	80
42	Reducing Renal Uptake of Radiolabeled Peptides Using Albumin Fragments. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1506-1511.	5.0	78
43	Molecular cloning and expression of a cyclic AMP-activated chloride conductance regulator: a novel ATP-binding cassette transporter.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 5401-5406.	7.1	73
44	Screening of Drug-Transporter Interactions in a 3D Microfluidic Renal Proximal Tubule on a Chip. <i>AAPS Journal</i> , 2018, 20, 87.	4.4	72
45	In vivo evidence for KCa channel opening properties of acetazolamide in the human vasculature. <i>British Journal of Pharmacology</i> , 2001, 132, 443-450.	5.4	71
46	Impaired Renal Secretion of Substrates for the Multidrug Resistance Protein 2 in Mutant Transporter-Deficient (TR ^{-/-}) Rats. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 2741-2749.	6.1	63
47	Effect of Drugs on Renal Development. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2011, 6, 212-217.	4.5	62
48	Involvement of VDAC, Bax and Ceramides in the Efflux of AIF from Mitochondria during Curcumin-Induced Apoptosis. <i>PLoS ONE</i> , 2009, 4, e6688.	2.5	62
49	ABC transporter expression profiling after ischemic reperfusion injury in mouse kidney. <i>Kidney International</i> , 2006, 69, 2186-2193.	5.2	61
50	Interaction of immunosuppressive drugs with human organic anion transporter (OAT) 1 and OAT3, and multidrug resistance-associated protein (MRP) 2 and MRP4. <i>Translational Research</i> , 2013, 162, 398-409.	5.0	61
51	Function and Regulation of Multidrug Resistance Proteins (MRPs) in the Renal Elimination of Organic Anions. <i>Drug Metabolism Reviews</i> , 2005, 37, 443-471.	3.6	57
52	Theophylline Improves Hypoglycemia Unawareness in Type 1 Diabetes. <i>Diabetes</i> , 2002, 51, 790-796.	0.6	56
53	Na,K-ATPase activity modulates Src activation: A role for ATP/ADP ratio. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 1269-1273.	2.6	56
54	Regulatory Pathways for ATP-binding Cassette Transport Proteins in Kidney Proximal Tubules. <i>AAPS Journal</i> , 2012, 14, 883-894.	4.4	56

#	ARTICLE	IF	CITATIONS
55	Drug-Drug Interactions between Rosuvastatin and Oral Antidiabetic Drugs Occurring at the Level of OATP1B1. <i>Drug Metabolism and Disposition</i> , 2013, 41, 592-601.	3.3	56
56	Vascular effects of loop diuretics. <i>Cardiovascular Research</i> , 1996, 32, 988-997.	3.8	55
57	Cathepsin L is crucial for the development of early experimental diabetic nephropathy. <i>Kidney International</i> , 2016, 90, 1012-1022.	5.2	55
58	Implementation of a Human Renal Proximal Tubule on a Chip for Nephrotoxicity and Drug Interaction Studies. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 1601-1614.	3.3	54
59	Diuretic efficiency of furosemide during continuous administration versus bolus injection in healthy volunteers. <i>Clinical Pharmacology and Therapeutics</i> , 1992, 51, 440-444.	4.7	53
60	Combination Diuretic Therapy in Severe Congestive Heart Failure. <i>Drugs</i> , 1998, 55, 165-172.	10.9	50
61	Blockade of vascular ATP-sensitive potassium channels reduces the vasodilator response to ischaemia in humans. <i>Diabetologia</i> , 1996, 39, 1562-1568.	6.3	49
62	Expression and immunolocalization of multidrug resistance protein 2 in rabbit small intestine. <i>European Journal of Pharmacology</i> , 2000, 400, 195-198.	3.5	49
63	Nephrotoxicants Induce Endothelin Release and Signaling in Renal Proximal Tubules: Effect on Drug Efflux. <i>Molecular Pharmacology</i> , 2001, 59, 1433-1440.	2.3	49
64	Flow stimulates drug transport in a human kidney proximal tubule-on-a-chip independent of primary cilia. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129433.	2.4	48
65	Localization of breast cancer resistance protein (Bcrp) in endocrine organs and inhibition of its transport activity by steroid hormones. <i>Cell and Tissue Research</i> , 2012, 349, 551-563.	2.9	47
66	AMAP, the alleged non-toxic isomer of acetaminophen, is toxic in rat and human liver. <i>Archives of Toxicology</i> , 2013, 87, 155-165.	4.2	46
67	Hyperuricemia influences tryptophan metabolism via inhibition of multidrug resistance protein 4 (MRP4) and breast cancer resistance protein (BCRP). <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1715-1722.	3.8	46
68	Short- and Long-Term Influences of Heavy Metals on Anionic Drug Efflux from Renal Proximal Tubule. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 301, 578-585.	2.5	45
69	Nitric oxide differentially regulates renal ATP-binding cassette transporters during endotoxemia. <i>Pflugers Archiv European Journal of Physiology</i> , 2007, 454, 321-334.	2.8	45
70	Mitoenergetic Dysfunction Triggers a Rapid Compensatory Increase in Steady-State Glucose Flux. <i>Biophysical Journal</i> , 2015, 109, 1372-1386.	0.5	45
71	Multidrug resistance protein Mrp2 mediates ATP-dependent transport of classic renal organic anion <i>p</i> -aminohippurate. <i>American Journal of Physiology - Renal Physiology</i> , 2000, 279, F713-F717.	2.7	44
72	Functional Role of Arginine 375 in Transmembrane Helix 6 of Multidrug Resistance Protein 4 (MRP4/ABCC4). <i>Molecular Pharmacology</i> , 2008, 74, 964-971.	2.3	44

#	ARTICLE	IF	CITATIONS
73	Statins Affect Skeletal Muscle Performance: Evidence for Disturbances in Energy Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 75-84.	3.6	44
74	Atovaquone and quinine anti-malarials inhibit ATP binding cassette transporter activity. <i>Malaria Journal</i> , 2014, 13, 359.	2.3	43
75	The Role of Efflux Pumps in Tuberculosis Treatment and Their Promise as a Target in Drug Development: Unraveling the Black Box. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 271-291.	9.4	43
76	Prediction of Fetal Darunavir Exposure by Integrating Human Ex-Vivo Placental Transfer and Physiologically Based Pharmacokinetic Modeling. <i>Clinical Pharmacokinetics</i> , 2018, 57, 705-716.	3.5	43
77	Safety of drug use in patients with a primary mitochondrial disease: An international Delphi-based consensus. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 800-818.	3.6	42
78	Localization of the ATP-binding cassette (ABC) transport proteins PfMRP1, PfMRP2, and PfMDR5 at the <i>Plasmodium falciparum</i> plasma membrane. <i>Malaria Journal</i> , 2009, 8, 205.	2.3	41
79	Statin Lactonization by Uridine 5- α -Diphospho-glucuronosyltransferases (UGTs). <i>Molecular Pharmaceutics</i> , 2015, 12, 4048-4055.	4.6	41
80	Potential role for adenosine in the pathogenesis of the vascular complications of hyperhomocysteinemia. <i>Cardiovascular Research</i> , 2003, 59, 271-276.	3.8	40
81	Hypothermia causes a marked injury to rat proximal tubular cells that is aggravated by all currently used preservation solutions. <i>Cryobiology</i> , 2003, 47, 82-91.	0.7	40
82	Interaction of fluvastatin with the liver-specific Na ⁺ -dependent taurocholate cotransporting polypeptide (NTCP). <i>European Journal of Pharmaceutical Sciences</i> , 2011, 44, 487-496.	4.0	40
83	Physiologically Based Modelling of Darunavir/Ritonavir Pharmacokinetics During Pregnancy. <i>Clinical Pharmacokinetics</i> , 2016, 55, 381-396.	3.5	40
84	Rhodamine 123 accumulates extensively in the isolated perfused rat kidney and is secreted by the organic cation system. <i>European Journal of Pharmacology</i> , 1997, 321, 315-323.	3.5	39
85	Nasal absorption of hydroxocobalamin in healthy elderly adults. <i>British Journal of Clinical Pharmacology</i> , 1998, 45, 83-86.	2.4	38
86	Modulatory effects of hormones, drugs, and toxic events on renal organic anion transport. <i>Biochemical Pharmacology</i> , 2003, 65, 1393-1405.	4.4	38
87	Inhibitory potential of tuberculosis drugs on ATP-binding cassette drug transporters. <i>Tuberculosis</i> , 2016, 96, 150-157.	1.9	38
88	Biomarker discovery with SELDI-TOF MS in human urine associated with early renal injury: evaluation with computational analytical tools. <i>Nephrology Dialysis Transplantation</i> , 2007, 22, 2932-2943.	0.7	37
89	Role of NO in endothelin-regulated drug transport in the renal proximal tubule. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 282, F458-F464.	2.7	36
90	Atrial Natriuretic Peptide. <i>Clinical Pharmacokinetics</i> , 1993, 24, 28-45.	3.5	35

#	ARTICLE	IF	CITATIONS
91	Pharmacokinetics of spiramycin in the rhesus monkey: transplacental passage and distribution in tissue in the fetus. <i>Antimicrobial Agents and Chemotherapy</i> , 1994, 38, 1922-1929.	3.2	35
92	Plasma Patterns of Tumor Necrosis Factor- α (TNF) and TNF Soluble Receptors During Acute Meningococcal Infections and the Effect of Plasma Exchange. <i>Clinical Infectious Diseases</i> , 1998, 26, 918-923.	5.8	35
93	Role of multidrug resistance protein 2 (MRP2) in glutathione-bimane efflux from Caco-2 and rat renal proximal tubule cells. <i>British Journal of Pharmacology</i> , 2001, 134, 931-938.	5.4	35
94	<i>HMOX1</i> promoter polymorphism modulates the relationship between disease activity and joint damage in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2008, 58, 3388-3393.	6.7	35
95	Review article: direct-acting antivirals for the treatment of HCV during pregnancy and lactation - implications for maternal dosing, foetal exposure, and safety for mother and child. <i>Alimentary Pharmacology and Therapeutics</i> , 2019, 50, 738-750.	3.7	35
96	A Randomized Trial of Distal Diuretics versus Dietary Sodium Restriction for Hypertension in Chronic Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 650-662.	6.1	35
97	Placental transfer of the HIV integrase inhibitor dolutegravir in an <i>ex vivo</i> human cotyledon perfusion model. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 480-483.	3.0	34
98	Expression of Organic Anion Transporter 1 or 3 in Human Kidney Proximal Tubule Cells Reduces Cisplatin Sensitivity. <i>Drug Metabolism and Disposition</i> , 2018, 46, 592-599.	3.3	34
99	Placental Folate Transport and Binding are not Impaired in Pregnancies Complicated by Fetal Growth Restriction. <i>Placenta</i> , 2004, 25, 588-593.	1.5	33
100	Nitric oxide down-regulates the expression of organic cation transporters (OCT) 1 and 2 in rat kidney during endotoxemia. <i>European Journal of Pharmacology</i> , 2008, 584, 390-397.	3.5	33
101	Transporters: Importance in Drug Absorption, Distribution, and Removal. , 2010, , 27-49.		33
102	Regulation of P-Glycoprotein in Renal Proximal Tubule Epithelial Cells by LPS and TNF- α . <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-10.	3.0	33
103	Aggregate dermal exposure to cyclic siloxanes in personal care products: Implications for risk assessment. <i>Environment International</i> , 2015, 74, 231-239.	10.0	33
104	Therapeutic effects of the mitochondrial ROS-redox modulator KH176 in a mammalian model of Leigh Disease. <i>Scientific Reports</i> , 2017, 7, 11733.	3.3	33
105	Cannabinoid Type 1 Receptor Antagonists Modulate Transport Activity of Multidrug Resistance-Associated Proteins MRP1, MRP2, MRP3, and MRP4. <i>Drug Metabolism and Disposition</i> , 2011, 39, 1294-1302.	3.3	32
106	Interaction of Digitalis-Like Compounds with Liver Uptake Transporters NTCP, OATP1B1, and OATP1B3. <i>Molecular Pharmaceutics</i> , 2014, 11, 1844-1855.	4.6	32
107	Increased Apical Insertion of the Multidrug Resistance Protein 2 (MRP2/ABCC2) in Renal Proximal Tubules following Gentamicin Exposure. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 318, 1194-1202.	2.5	31
108	Assessment of Maternal and Fetal Dolutegravir Exposure by Integrating <i>Ex Vivo</i> Placental Perfusion Data and Physiologically-Based Pharmacokinetic Modeling. <i>Clinical Pharmacology and Therapeutics</i> , 2020, 107, 1352-1361.	4.7	30

#	ARTICLE	IF	CITATIONS
109	In Silico Identification of Potential Cholestasis-Inducing Agents via Modeling of Na ⁺ -Dependent Taurocholate Cotransporting Polypeptide Substrate Specificity. <i>Toxicological Sciences</i> , 2012, 129, 35-48.	3.1	29
110	Phenylalanine 368 of multidrug resistance-associated protein 4 (MRP4/ABCC4) plays a crucial role in substrate-specific transport activity. <i>Biochemical Pharmacology</i> , 2012, 84, 366-373.	4.4	29
111	Renal glucuronidation and multidrug resistance protein 2-/ multidrug resistance protein 4-mediated efflux of mycophenolic acid: interaction with cyclosporine and tacrolimus. <i>Translational Research</i> , 2014, 164, 46-56.	5.0	29
112	Multidrug resistance protein 4/ ATP binding cassette transporter 4: a new potential therapeutic target for acute myeloid leukemia. <i>Oncotarget</i> , 2014, 5, 9308-9321.	1.8	29
113	Solid-phase extraction of furosemide from plasma and urine and subsequent analysis by high-performance liquid chromatography. <i>Biomedical Applications</i> , 1989, 496, 234-241.	1.7	28
114	P-glycoprotein-deficient mice have proximal tubule dysfunction but are protected against ischemic renal injury. <i>Kidney International</i> , 2007, 72, 1233-1241.	5.2	28
115	<i>In Silico</i> Identification and <i>In Vitro</i> Validation of Potential Cholestatic Compounds through 3D Ligand-Based Pharmacophore Modeling of BSEP Inhibitors. <i>Chemical Research in Toxicology</i> , 2014, 27, 873-881.	3.3	28
116	The Heme-Heme Oxygenase System in Wound Healing; Implications for Scar Formation. <i>Current Drug Targets</i> , 2010, 11, 1571-1585.	2.1	28
117	Interaction of Digitalis-Like Compounds with P-Glycoprotein. <i>Toxicological Sciences</i> , 2013, 131, 502-511.	3.1	27
118	Chloroquine Dosing Recommendations for Pediatric COVID-19 Supported by Modeling and Simulation. <i>Clinical Pharmacology and Therapeutics</i> , 2020, 108, 248-252.	4.7	27
119	Isolated perfused rat kidney as a tool in the investigation of renal handling and effects of nonsteroidal antiinflammatory drugs. <i>Journal of Pharmacological Methods</i> , 1990, 24, 89-103.	0.7	26
120	Cardiovascular effects of sulphonylurea derivatives. <i>Diabetes Research and Clinical Practice</i> , 1996, 31, S55-S59.	2.8	26
121	Modeling mitochondrial dysfunctions in the brain: from mice to men. <i>Journal of Inherited Metabolic Disease</i> , 2012, 35, 193-210.	3.6	26
122	Alternating Hemiplegia of Childhood mutations have a differential effect on Na ⁺ ,K ⁺ -ATPase activity and ouabain binding. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1010-1016.	3.8	26
123	Development of a physiologically-based pharmacokinetic pediatric brain model for prediction of cerebrospinal fluid drug concentrations and the influence of meningitis. <i>PLoS Computational Biology</i> , 2019, 15, e1007117.	3.2	26
124	Physiologically based pharmacokinetic model for the renal clearance of phenolsulfonphthalein and the interaction with probenecid and salicylic acid in the dog. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1987, 15, 349-368.	0.6	25
125	Vascular effects of glibenclamide vs. glimepiride and metformin in Type 2 diabetic patients. <i>Diabetic Medicine</i> , 2002, 19, 136-143.	2.3	25
126	Involvement of guanylyl cyclase and cGMP in the regulation of Mrp2-mediated transport in the proximal tubule. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, F33-F38.	2.7	25

#	ARTICLE	IF	CITATIONS
127	Mass Spectrometry Analysis of Hepcidin Peptides in Experimental Mouse Models. <i>PLoS ONE</i> , 2011, 6, e16762.	2.5	25
128	Application of urine proteomics for biomarker discovery in drug-induced liver injury. <i>Critical Reviews in Toxicology</i> , 2014, 44, 823-841.	3.9	25
129	Developmental patterns in human bloodâ€“brain barrier and bloodâ€“cerebrospinal fluid barrier ABC drug transporter expression. <i>Histochemistry and Cell Biology</i> , 2020, 154, 265-273.	1.7	25
130	Characterization of P-glycoprotein and multidrug resistance proteins in rat kidney and intestinal cell lines. <i>European Journal of Pharmaceutical Sciences</i> , 2007, 30, 36-44.	4.0	24
131	Biomarkers for methotrexate-induced liver injury: Urinary protein profiling of psoriasis patients. <i>Toxicology Letters</i> , 2013, 221, 219-224.	0.8	24
132	Multidrug ATP binding cassette transporters are essential for hepatic development of <i>Plasmodium</i> sporozoites. <i>Cellular Microbiology</i> , 2016, 18, 369-383.	2.1	24
133	Moxifloxacin Is a Potent <i>In Vitro</i> Inhibitor of OCT- and MATE-Mediated Transport of Metformin and Ethambutol. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 7105-7114.	3.2	24
134	Combination of methotrexate and sulphasalazine in patients with rheumatoid arthritis: pharmacokinetic analysis and relationship to clinical response. <i>British Journal of Clinical Pharmacology</i> , 1996, 42, 195-200.	2.4	23
135	Insights into the Role of Bone Marrow-Derived Stem Cells in Renal Repair. <i>Kidney and Blood Pressure Research</i> , 2008, 31, 104-110.	2.0	23
136	Na ⁺ and H ⁺ gradient-dependent transport of p-aminohippurate in membrane vesicles from dog kidney cortex. <i>Biochemical Pharmacology</i> , 1988, 37, 2639-2649.	4.4	22
137	Short-Term Exposure of Renal Proximal Tubules to Gentamicin Increases Long-Term Multidrug Resistance Protein 2 (Abcc2) Transport Function and Reduces Nephrotoxicant Sensitivity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 315, 912-920.	2.5	22
138	Vitamin A equivalency and apparent absorption of β -carotene in ileostomy subjects using a dual-isotope dilution technique. <i>British Journal of Nutrition</i> , 2010, 103, 1836-1843.	2.3	22
139	Glutathione Status and the Renal Elimination of Inorganic Mercury in the Mrp2 ^{-/-} Mouse. <i>PLoS ONE</i> , 2013, 8, e73559.	2.5	22
140	cCMP is a substrate for MRP5. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2014, 387, 893-895.	3.0	22
141	Exposure to Total and Protein-Unbound Rifampin Is Not Affected by Malnutrition in Indonesian Tuberculosis Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 3233-3239.	3.2	22
142	To be or not to be pink(1): contradictory findings in an animal model for Parkinson's disease. <i>Brain Communications</i> , 2019, 1, fcz016.	3.3	22
143	Uremic solutes modulate hepatic bile acid handling and induce mitochondrial toxicity. <i>Toxicology in Vitro</i> , 2019, 56, 52-61.	2.4	22
144	Effects of Tolbutamide on Vascular ATP-Sensitive Potassium Channels in Humans. <i>Hormone and Metabolic Research</i> , 1996, 28, 512-516.	1.5	21

#	ARTICLE	IF	CITATIONS
145	Probenecid interferes with renal oxidative metabolism: A potential pitfall in its use as an inhibitor of drug transport. <i>British Journal of Pharmacology</i> , 2000, 131, 57-62.	5.4	21
146	Uremic Solutes in Chronic Kidney Disease and Their Role in Progression. <i>PLoS ONE</i> , 2016, 11, e0168117.	2.5	20
147	First reported use of elvitegravir and cobicistat during pregnancy. <i>Aids</i> , 2016, 30, 807-808.	2.2	20
148	Placental disposition of the immunosuppressive drug tacrolimus in renal transplant recipients and in ex vivo perfused placental tissue. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 119, 244-248.	4.0	20
149	Ontogeny of Small Intestinal Drug Transporters and Metabolizing Enzymes Based on Targeted Quantitative Proteomics. <i>Drug Metabolism and Disposition</i> , 2021, 49, 1038-1046.	3.3	20
150	Ion-pair solid-phase extraction of cimetidine from plasma and subsequent analysis by high-performance liquid chromatography. <i>Biomedical Applications</i> , 1994, 661, 173-177.	1.7	19
151	Vitamin A equivalency of β -carotene in healthy adults: limitation of the extrinsic dual-isotope dilution technique to measure matrix effect. <i>British Journal of Nutrition</i> , 2009, 101, 1837-1845.	2.3	19
152	Semi-mechanistic physiologically-based pharmacokinetic modeling of clinical glibenclamide pharmacokinetics and drug-drug-interactions. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 49, 819-828.	4.0	19
153	Gait analysis in a mouse model resembling Leigh disease. <i>Behavioural Brain Research</i> , 2016, 296, 191-198.	2.2	19
154	Editor's Highlight: Placental Disposition and Effects of Crizotinib: An Ex Vivo Study in the Isolated Dual-Side Perfused Human Cotyledon. <i>Toxicological Sciences</i> , 2017, 157, 500-509.	3.1	19
155	Toxicokinetics of a urinary metabolite of tebuconazole following controlled oral and dermal administration in human volunteers. <i>Archives of Toxicology</i> , 2019, 93, 2545-2553.	4.2	19
156	Oxidative degradation of cyclophosphamide using thermal plasma activation and UV/H ₂ O ₂ treatment in tap water. <i>Environmental Research</i> , 2020, 182, 109046.	7.5	19
157	Human multidrug resistance protein 4 (MRP4) is a cellular efflux transporter for paracetamol glutathione and cysteine conjugates. <i>Archives of Toxicology</i> , 2020, 94, 3027-3032.	4.2	19
158	Toxicity of anticancer drugs in human placental tissue explants and trophoblast cell lines. <i>Archives of Toxicology</i> , 2021, 95, 557-571.	4.2	19
159	Heme Oxygenase-1 and Breast Cancer Resistance Protein Protect Against Hemeinduced Toxicity. <i>Current Pharmaceutical Design</i> , 2013, 19, 2698-2707.	1.9	19
160	SEVERE PLASMODIUM FALCIPARUM MALARIA IN CAMEROON: ASSOCIATED WITH THE GLUTATHIONE S-TRANSFERASE M1 NULL GENOTYPE. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006, 75, 827-829.	1.4	19
161	Physiologically based pharmacokinetic model for the renal clearance of iodopyracet and the interaction with probenecid in the dog. <i>Biopharmaceutics and Drug Disposition</i> , 1989, 10, 137-152.	1.9	18
162	Glibenclamide depletes ATP in renal proximal tubular cells by interfering with mitochondrial metabolism. <i>British Journal of Pharmacology</i> , 2005, 145, 1069-1075.	5.4	18

#	ARTICLE	IF	CITATIONS
163	Na ⁺ ,K ⁺ -ATPase Isoform Selectivity for Digitalis-Like Compounds Is Determined by Two Amino Acids in the First Extracellular Loop. <i>Chemical Research in Toxicology</i> , 2014, 27, 2082-2092.	3.3	18
164	Assessment of Placental Disposition of Infliximab and Etanercept in Women With Autoimmune Diseases and in the <i>Ex Vivo</i> Perfused Placenta. <i>Clinical Pharmacology and Therapeutics</i> , 2020, 108, 99-106.	4.7	18
165	The hepatocyte export carrier inhibition assay improves the separation of hepatotoxic from non-hepatotoxic compounds. <i>Chemico-Biological Interactions</i> , 2022, 351, 109728.	4.0	18
166	Quantitative urine collection in renal clearance studies in the dog. <i>Journal of Pharmacological Methods</i> , 1987, 17, 125-136.	0.7	17
167	Short-term beneficial effects of methylene blue on kidney damage in septic shock patients. <i>Intensive Care Medicine</i> , 2008, 34, 350-354.	8.2	17
168	Rapid, Nongenomic Stimulation of Multidrug Resistance Protein 2 (Mrp2) Activity by Glucocorticoids in Renal Proximal Tubule. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 338, 362-371.	2.5	17
169	Acute Acetaminophen Intoxication Leads to Hepatic Iron Loading by Decreased Hepcidin Synthesis. <i>Toxicological Sciences</i> , 2012, 129, 225-233.	3.1	17
170	Exploiting Transport Activity of P-Glycoprotein at the Blood-Brain Barrier for the Development of Peripheral Cannabinoid Type 1 Receptor Antagonists. <i>Molecular Pharmaceutics</i> , 2012, 9, 1351-1360.	4.6	17
171	Mitochondrial ADP/ATP exchange inhibition: a novel off-target mechanism underlying ibipinabant-induced myotoxicity. <i>Scientific Reports</i> , 2015, 5, 14533.	3.3	17
172	PfMDR2 and PfMDR5 are dispensable for Plasmodium falciparum asexual parasite multiplication but change in vitro susceptibility to anti-malarial drugs. <i>Malaria Journal</i> , 2015, 14, 76.	2.3	17
173	Flucloxacillin Results in Suboptimal Plasma Voriconazole Concentrations. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	17
174	Proguanil and cycloguanil are organic cation transporter and multidrug and toxin extrusion substrates. <i>Malaria Journal</i> , 2017, 16, 422.	2.3	17
175	A physiologically based kidney model for the renal clearance of ranitidine and the interaction with cimetidine and probenecid in the dog. , 1998, 19, 199-208.		16
176	Kinetics of atrial natriuretic peptide in young and elderly subjects. <i>European Journal of Clinical Pharmacology</i> , 1992, 42, 449-452.	1.9	16
177	Absorption of High Dose Furosemide (Frusemide) in Congestive Heart Failure. <i>Clinical Pharmacokinetics</i> , 1992, 22, 308-318.	3.5	15
178	Uptake of choline into syncytial micro villus membrane vesicles of human term placenta. <i>Biochemical Pharmacology</i> , 1994, 47, 453-456.	4.4	15
179	Feline hepatic biotransformation of diazepam: Differences between cats and dogs. <i>Research in Veterinary Science</i> , 2015, 103, 119-125.	1.9	15
180	Parenteral bilirubin in healthy volunteers: a reintroduction in translational research. <i>British Journal of Clinical Pharmacology</i> , 2018, 84, 268-279.	2.4	15

#	ARTICLE	IF	CITATIONS
181	Effects of clofibrate and KH176 on life span and motor function in mitochondrial complex I-deficient mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165727.	3.8	15
182	Thermal plasma activation and UV/H ₂ O ₂ oxidative degradation of pharmaceutical residues. <i>Environmental Research</i> , 2021, 195, 110884.	7.5	15
183	Familial hemiplegic migraine mutations affect Na,K-ATPase domain interactions. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 2173-2179.	3.8	14
184	Delayed cutaneous wound closure in HO-2 deficient mice despite normal HO-1 expression. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 2488-2498.	3.6	14
185	Urine collection methods for non-toilet-trained children in biological monitoring studies: Validation of a disposable diaper for characterization of tebuconazole exposure. <i>Toxicology Letters</i> , 2018, 298, 201-206.	0.8	14
186	Organic anion transporters 1 and 3 influence cellular energy metabolism in renal proximal tubule cells. <i>Biological Chemistry</i> , 2019, 400, 1347-1358.	2.5	14
187	Diadenosine pentaphosphate vasodilates the forearm vascular bed: Inhibition by theophylline and augmentation by dipyridamole. <i>Clinical Pharmacology and Therapeutics</i> , 2002, 71, 448-456.	4.7	13
188	Transport of the Coumarin Metabolite 7-Hydroxycoumarin Glucuronide Is Mediated via Multidrug Resistance-Associated Proteins 3 and 4. <i>Drug Metabolism and Disposition</i> , 2012, 40, 1076-1079.	3.3	13
189	<sc>MRP</sc>1 mediates folate transport and antifolate sensitivity in <i>Plasmodium falciparum</i>. <i>FEBS Letters</i> , 2016, 590, 482-492.	2.8	13
190	Differences in P-glycoprotein activity in human and rodent blood-brain barrier assessed by mechanistic modelling. <i>Archives of Toxicology</i> , 2021, 95, 3015-3029.	4.2	13
191	Personal exposure assessment of pesticides in residents: The association between hand wipes and urinary biomarkers. <i>Environmental Research</i> , 2021, 199, 111282.	7.5	13
192	Glomerular filtration and saturable absorption of iohexol in the rat isolated perfused kidney. <i>British Journal of Pharmacology</i> , 1996, 119, 57-64.	5.4	12
193	Sulphonylurea drugs reduce hypoxic damage in the isolated perfused rat kidney. <i>British Journal of Pharmacology</i> , 2000, 130, 1678-1684.	5.4	12
194	Convallatoxin: A new P-glycoprotein substrate. <i>European Journal of Pharmacology</i> , 2014, 744, 18-27.	3.5	12
195	Biochemical characterization of sporadic/familial hemiplegic migraine mutations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1693-1700.	2.6	12
196	Development of a mechanistic biokinetic model for hepatic bile acid handling to predict possible cholestatic effects of drugs. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 115, 175-184.	4.0	12
197	Physiologically based pharmacokinetic/pharmacodynamic model for the prediction of morphine brain disposition and analgesia in adults and children. <i>PLoS Computational Biology</i> , 2021, 17, e1008786.	3.2	12
198	Interaction of sulphonylurea derivatives with vascular ATP-sensitive potassium channels in humans. <i>Diabetologia</i> , 1996, 39, 1083-1090.	6.3	12

#	ARTICLE	IF	CITATIONS
199	Renal handling and effects of S(+)-ibuprofen and R(-)-ibuprofen in the rat isolated perfused kidney. <i>British Journal of Pharmacology</i> , 1991, 103, 1542-1546.	5.4	11
200	Accumulation of Salicylic Acid and Indomethacin in Isolated Proximal Tubular Cells of the Rat Kidney. <i>Pharmacological Research</i> , 1993, 27, 241-252.	7.1	11
201	Solid-phase extraction of ¹⁸ F-glycyrrhetic acid from plasma and subsequent analysis by high-performance liquid chromatography. <i>Biomedical Applications</i> , 1998, 710, 223-226.	1.7	11
202	Only weak vasorelaxant properties of loop diuretics in isolated resistance arteries from man, rat and guinea pig. <i>European Journal of Pharmacology</i> , 2003, 466, 281-287.	3.5	11
203	Iron chelation or anti-oxidants prevent renal cell damage in the rewarming phase after normoxic, but not hypoxic cold incubation. <i>Cryobiology</i> , 2007, 54, 258-264.	0.7	11
204	Urinary proteomic profiling reveals diclofenac-induced renal injury and hepatic regeneration in mice. <i>Toxicology and Applied Pharmacology</i> , 2013, 269, 141-149.	2.8	11
205	Salvia Miltiorrhiza Root Water-Extract (Danshen) Has No Beneficial Effect on Cardiovascular Risk Factors. A Randomized Double-Blind Cross-Over Trial. <i>PLoS ONE</i> , 2015, 10, e0128695.	2.5	11
206	Application of proteomics to understand maturation of drug metabolizing enzymes and transporters for the optimization of pediatric drug therapy. <i>Drug Discovery Today: Technologies</i> , 2021, 39, 31-48.	4.0	11
207	Presence and Mechanism of Direct Vascular Effects of Amiloride in Humans. <i>Journal of Cardiovascular Pharmacology</i> , 1999, 34, 388-393.	1.9	11
208	Deficiency of Either P-Glycoprotein or Breast Cancer Resistance Protein Protect against Acute Kidney Injury. <i>Cell Transplantation</i> , 2010, 19, 1195-1208.	2.5	10
209	Saturable Urinary Excretion Kinetics of Famotidine in the Dog. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 49, 288-292.	2.4	10
210	Preserved Response to Diuretics in Rosiglitazone-Treated Subjects With Insulin Resistance: A Randomized Double-Blind Placebo-Controlled Crossover Study. <i>Clinical Pharmacology and Therapeutics</i> , 2011, 89, 587-594.	4.7	10
211	Identification of Novel Translational Urinary Biomarkers for Acetaminophen-Induced Acute Liver Injury Using Proteomic Profiling in Mice. <i>PLoS ONE</i> , 2012, 7, e49524.	2.5	10
212	The feline bile salt export pump: a structural and functional comparison with canine and human Bsep/BSEP. <i>BMC Veterinary Research</i> , 2013, 9, 259.	1.9	10
213	Sensitive Method for Quantification of Octamethylcyclotetrasiloxane (D4) and Decamethylcyclopentasiloxane (D5) in End-Exhaled Air by Thermal Desorption Gas Chromatography Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 5794-5799.	6.5	10
214	Substantially lowered dolutegravir exposure in a treatment-experienced perinatally HIV-1-infected pregnant woman. <i>Aids</i> , 2016, 30, 1999-2001.	2.2	10
215	Vital and dispensable roles of <i>Plasmodium</i> multidrug resistance transporters during blood- and mosquito-stage development. <i>Molecular Microbiology</i> , 2016, 101, 78-91.	2.5	10
216	Differential effects of psychoactive substances on human wildtype and polymorphic T356M dopamine transporters (DAT). <i>Toxicology</i> , 2019, 422, 69-75.	4.2	10

#	ARTICLE	IF	CITATIONS
217	Microcirculatory effects of KATP channel blockade by sulphonylurea derivatives in humans. <i>European Journal of Clinical Investigation</i> , 2002, 32, 163-171.	3.4	9
218	Regulation and expression of endothelin-1 (ET-1) and ET-receptors in rat epithelial cells of renal and intestinal origin. <i>Pharmacological Research</i> , 2006, 54, 429-435.	7.1	9
219	Proteomic profiling in incubation medium of mouse, rat and human precision-cut liver slices for biomarker detection regarding acute drug-induced liver injury. <i>Journal of Applied Toxicology</i> , 2014, 34, 993-1001.	2.8	9
220	The effect of dipyridamole on the pharmacokinetics of metformin: a randomized crossover study in healthy volunteers. <i>European Journal of Clinical Pharmacology</i> , 2016, 72, 725-730.	1.9	9
221	Effects of a human recombinant alkaline phosphatase during impaired mitochondrial function in human renal proximal tubule epithelial cells. <i>European Journal of Pharmacology</i> , 2017, 796, 149-157.	3.5	9
222	Nitric Oxide-mediated Vascular Tone in the Fetal Placental Circulation of Patients with Type 1 Diabetes Mellitus. <i>Placenta</i> , 2003, 24, 974-978.	1.5	8
223	KRIPO – a structure-based pharmacophores approach explains polypharmacological effects. <i>Journal of Cheminformatics</i> , 2014, 6, O26.	6.1	8
224	Protective Efficacy Induced by Genetically Attenuated Mid-to-Late Liver-Stage Arresting Plasmodium berghei Pmrp2 Parasites. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 95, 378-382.	1.4	8
225	Evaluating darunavir/ritonavir dosing regimens for HIV-positive pregnant women using semi-mechanistic pharmacokinetic modelling. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 1348-1356.	3.0	8
226	Common Genotypic Polymorphisms in Glutathione S-Transferases in Mild and Severe Falciparum Malaria in Tanzanian Children. <i>American Journal of Tropical Medicine and Hygiene</i> , 2009, 81, 363-365.	1.4	8
227	Pancuronium masks the prejunctional muscarinic autoreceptor in guinea pig tracheal smooth muscle. <i>Life Sciences</i> , 1995, 57, 2325-2333.	4.3	7
228	Inhibition of choline uptake in syncytial microvillus membrane vesicles of human term placenta. <i>Biochemical Pharmacology</i> , 1995, 50, 1873-1878.	4.4	7
229	Saturable Accumulation and Diuretic Activity of Hydrochlorothiazide in the Isolated Perfused Rat Kidney. <i>Pharmacology</i> , 1997, 54, 33-42.	2.2	7
230	Stress Susceptibility as a Determinant of the Response to Adrenergic Stimuli in Mesenteric Resistance Arteries of the Rat. <i>Journal of Cardiovascular Pharmacology</i> , 2002, 40, 678-683.	1.9	7
231	Impaired KATP channel function in the fetoplacental circulation of patients with type 1 diabetes mellitus. <i>American Journal of Obstetrics and Gynecology</i> , 2005, 192, 973-979.	1.3	7
232	Heterogeneous transport of digitalis-like compounds by P-glycoprotein in vesicular and cellular assays. <i>Toxicology in Vitro</i> , 2016, 32, 138-145.	2.4	7
233	Stimulation of cholesterol biosynthesis in mitochondrial complex I-deficiency lowers reductive stress and improves motor function and survival in mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166062.	3.8	7
234	Naproxen and indomethacin: disposition and effects in the isolated perfused rat kidney. <i>Toxicology Letters</i> , 1990, 53, 175-177.	0.8	6

#	ARTICLE	IF	CITATIONS
235	Effect of substituted benzoates on p-aminohippurate transport in dog renal membrane vesicles. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1991, 343, 102-107.	3.0	6
236	Renal Handling and Effects of Salicylic Acid in the Isolated Perfused Rat Kidney. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1991, 68, 322-328.	0.0	6
237	Iron chelators do not reduce cold-induced cell injury in the isolated perfused rat kidney model. <i>Nephrology Dialysis Transplantation</i> , 2005, 20, 2646-2653.	0.7	6
238	A Mechanism-Based Population Pharmacokinetic Analysis Assessing the Feasibility of Efavirenz Dose Reduction to 400Âmg in Pregnant Women. <i>Clinical Pharmacokinetics</i> , 2018, 57, 1421-1433.	3.5	6
239	Placental disposition of eculizumab, C5 and C5â€eculizumab in two pregnancies of a woman with paroxysmal nocturnal haemoglobinuria. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 2128-2131.	2.4	6
240	Nephroscreen: A robust and versatile renal tubule-on-a-chip platform for nephrotoxicity assessment. <i>Current Opinion in Toxicology</i> , 2021, 25, 42-48.	5.0	6
241	Effect of substituted benzoylglycines (hippurates) and phenylacetylglycines on p-aminohippurate transport in dog renal membrane vesicles. <i>Pharmaceutical Research</i> , 1994, 11, 1829-1833.	3.5	5
242	Screening for the role of transporters in hepatic and renal drug handling. <i>Drug Discovery Today: Technologies</i> , 2004, 1, 357-364.	4.0	5
243	Bromide as a marker to measure adherence to drug therapy. <i>European Journal of Clinical Pharmacology</i> , 2006, 62, 285-290.	1.9	5
244	Renal Excretion and Accumulation Kinetics of 2-Methylbenzoylglycine in the Isolated Perfused Rat Kidney. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 48, 560-565.	2.4	5
245	Urinary protein profiling in hyperactive delirium and non-delirium cardiac surgery ICU patients. <i>Proteome Science</i> , 2011, 9, 13.	1.7	5
246	Differential effects of sulfonyleurea derivatives on vascular ATP-sensitive potassium channels. <i>European Journal of Pharmacology</i> , 2012, 681, 75-79.	3.5	5
247	Renal clearance of sulphinpyrazone in man. <i>European Journal of Clinical Pharmacology</i> , 1986, 31, 473-478.	1.9	4
248	Indometacin: Renal Handling and Effects in the Isolated Perfused Rat Kidney. <i>Pharmacology</i> , 1991, 42, 287-296.	2.2	4
249	Isolation of syncytial microvillous membrane vesicles from human term placenta and their application in drug-nutrient interaction studies. <i>Journal of Pharmacological and Toxicological Methods</i> , 1995, 34, 47-56.	0.7	4
250	Intranasal hydroxocobalamin administration: an attractive alternative for intramuscular cobalamin injections in geriatric patients. <i>Drug Development Research</i> , 2000, 51, 197-199.	2.9	4
251	Completing the Enalaprilat Excretion Pathwayâ€Renal Handling by the Proximal Tubule. <i>Pharmaceutics</i> , 2020, 12, 935.	4.5	4
252	Rifampicin Transport by OATP1B1 Variants. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	4

#	ARTICLE	IF	CITATIONS
253	Prediction of Moxifloxacin Concentrations in Tuberculosis Patient Populations by Physiologically Based Pharmacokinetic Modeling. <i>Journal of Clinical Pharmacology</i> , 2022, 62, 385-396.	2.0	4
254	p-Aminohippurate uptake by syncytial microvillous membrane vesicles of human term placenta. <i>Placenta</i> , 1994, 15, 279-289.	1.5	3
255	Anionic and cationic drug secretion in the isolated perfused rat kidney after neonatal surgical induction of ureteric obstruction. <i>BJU International</i> , 2003, 92, 452-458.	2.5	3
256	Disposition of 4-Methylbenzoylglycine in Rat Isolated Perfused Kidney and Effects of Hippurates on Renal Mitochondrial Metabolism. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 50, 1397-1404.	2.4	3
257	Including carrier-mediated transport in oral uptake prediction of nutrients and pharmaceuticals in humans. <i>Environmental Toxicology and Pharmacology</i> , 2014, 38, 938-947.	4.0	3
258	Mild intracellular acidification by dexamethasone attenuates mitochondrial dysfunction in a human inflammatory proximal tubule epithelial cell model. <i>Scientific Reports</i> , 2017, 7, 10623.	3.3	3
259	Transfer of daclatasvir and sofosbuvir's main metabolite, GS-331007, across the human placenta ex vivo. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 223, 941-943.	1.3	3
260	Transfer of uremic solutes across the human term placenta: An ex vivo study in the dual-side perfused cotyledon. <i>Placenta</i> , 2021, 104, 220-231.	1.5	3
261	Dissecting Drug-Induced Cytotoxicity and Metabolic Dysfunction in Conditionally Immortalized Human Proximal Tubule Cells. <i>Frontiers in Toxicology</i> , 2022, 4, 842396.	3.1	3
262	Determination of cytotoxicity following oxidative treatment of pharmaceutical residues in wastewater. <i>Chemosphere</i> , 2022, 303, 135022.	8.2	3
263	Comparison of the diuretic effect and absorption of a single dose of furosemide and free and the fixed combinations of furosemide and triamterene in healthy male adults. <i>European Journal of Clinical Pharmacology</i> , 1990, 39, 595-597.	1.9	2
264	Vascular KATP channel blockade by glibenclamide, but not by acarbose, in patients with Type II diabetes. <i>Clinical Science</i> , 2002, 102, 307.	4.3	2
265	Stress Susceptibility As a Determinant of Endothelium-dependent Vascular Reactivity in Rat Mesenteric Arteries. <i>Journal of Cardiovascular Pharmacology</i> , 2003, 41, 625-631.	1.9	2
266	Preserved vascular reactivity of rat renal arteries after cold storage. <i>Cryobiology</i> , 2004, 48, 95-98.	0.7	2
267	Renal Tubular Excretion of the <i>N</i> -4-Acetyl Metabolites of Sulphasomidine and Sulphadimethoxine in the Dog. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 45, 614-617.	2.4	2
268	Comment on "A severe linezolid-induced rhabdomyolysis and lactic acidosis in Leigh syndrome". <i>Journal of Inherited Metabolic Disease</i> , 2021, 44, 6-7.	3.6	2
269	Pharmacokinetic properties of the antimuscarinic drug [3H]-hexahydro-sila-difenidol in the rat. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1990, 342, 146-152.	3.0	1
270	Antioxidants and pre-eclampsia. <i>Lancet</i> , The, 2000, 355, 65.	13.7	1

#	ARTICLE	IF	CITATIONS
271	Baseline function of placental vascular KATP -channels in healthy and in diabetic women. British Journal of Clinical Pharmacology, 2002, 53, 548P-549P.	2.4	1
272	Dysfunction of the cyclo-oxygenase pathway in the foetoplacental circulation in Type 1 diabetes mellitus. Diabetic Medicine, 2005, 22, 503-506.	2.3	1
273	Experimental study of diclofenac and its biliary metabolites on anastomotic healing. BJS Open, 2018, 2, 220-228.	1.7	1
274	Renal handling and effects of indomethacin in the isolated perfused rat kidney. European Journal of Pharmacology, 1990, 183, 2077.	3.5	0
275	Characteristics of furosemide transport in dog kidney plasma membrane vesicles. European Journal of Pharmacology, 1990, 183, 1158-1159.	3.5	0
276	Excretion and accumulation of diatrizoate in the isolated perfused rat kidney. European Journal of Pharmaceutical Sciences, 1997, 5, 295-301.	4.0	0
277	Development of a mechanistic biokinetic model describing hepatic bile acid handling to predict possible cholestatic effects of drugs. Toxicology Letters, 2016, 258, S47.	0.8	0
278	Analysis of Renal Transporters. AAPS Advances in the Pharmaceutical Sciences Series, 2013, , 235-256.	0.6	0
279	Biomarker Use for Advanced Screening of Drug-Induced Kidney Injury. , 2019, , 93-99.		0
280	Restoring cellular NAD(P)H levels by PPAR α and LXR α stimulation to improve mitochondrial complex I deficiency. Life Sciences, 2022, 300, 120571.	4.3	0