

# Frans G M Russel

## List of Publications by Citations

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291  
ext. papers

10,026  
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#	Paper	IF	Citations
278	The MRP4/ABCC4 gene encodes a novel apical organic anion transporter in human kidney proximal tubules: putative efflux pump for urinary cAMP and cGMP. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2002</b> , 13, 595-603	12.7	386
277	Multidrug resistance protein 4 (MRP4/ABCC4): a versatile efflux transporter for drugs and signalling molecules. <i>Trends in Pharmacological Sciences</i> , <b>2008</b> , 29, 200-7	13.2	317
276	Molecular aspects of renal anionic drug transport. <i>Annual Review of Physiology</i> , <b>2002</b> , 64, 563-94	23.1	209
275	The breast cancer resistance protein transporter ABCG2 is expressed in the human kidney proximal tubule apical membrane. <i>Kidney International</i> , <b>2008</b> , 73, 220-5	9.9	197
274	Diuretic efficacy of high dose furosemide in severe heart failure: bolus injection versus continuous infusion. <i>Journal of the American College of Cardiology</i> , <b>1996</b> , 28, 376-82	15.1	195
273	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> , <b>2007</b> , 320, 229-35	4.7	187
272	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> , <b>2005</b> , 288, F327-33	4.3	173
271	Intravenously administered short interfering RNA accumulates in the kidney and selectively suppresses gene function in renal proximal tubules. <i>Drug Metabolism and Disposition</i> , <b>2006</b> , 34, 1393-7	4	171
270	Statin-Induced Myopathy Is Associated with Mitochondrial Complex III Inhibition. <i>Cell Metabolism</i> , <b>2015</b> , 22, 399-407	24.6	143
269	Controlled release of rhBMP-2 loaded poly(dl-lactic-co-glycolic acid)/calcium phosphate cement composites in vivo. <i>Journal of Controlled Release</i> , <b>2005</b> , 106, 162-71	11.7	137
268	The role of ATP binding cassette transporters in tissue defense and organ regeneration. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2009</b> , 328, 3-9	4.7	134
267	Novel conditionally immortalized human proximal tubule cell line expressing functional influx and efflux transporters. <i>Cell and Tissue Research</i> , <b>2010</b> , 339, 449-57	4.2	134
266	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> , <b>2004</b> , 15, 2828-35	12.7	130
265	Usage patterns of personal care products: important factors for exposure assessment. <i>Food and Chemical Toxicology</i> , <b>2013</b> , 55, 8-17	4.7	129
264	Alkaline phosphatase treatment improves renal function in severe sepsis or septic shock patients. <i>Critical Care Medicine</i> , <b>2009</b> , 37, 417-23, e1	1.4	120
263	Multidrug resistance protein 4 (MRP4/ABCC4) regulates cAMP cellular levels and controls human leukemia cell proliferation and differentiation. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 6979-88	5.4	119
262	Selective iNOS inhibition for the treatment of sepsis-induced acute kidney injury. <i>Nature Reviews Nephrology</i> , <b>2009</b> , 5, 629-40	14.9	118

261	Molecular pharmacology of renal organic anion transporters. <i>American Journal of Physiology - Renal Physiology</i> , <b>2000</b> , 279, F216-32	4.3	112
260	In vivo release of rhBMP-2 loaded porous calcium phosphate cement pretreated with albumin. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2006</b> , 17, 919-27	4.5	99
259	Continuous infusion of furosemide in the treatment of patients with congestive heart failure and diuretic resistance. <i>Journal of Internal Medicine</i> , <b>1994</b> , 235, 329-34	10.8	97
258	Breast cancer resistance protein (Bcrp1/Abcg2) limits net intestinal uptake of quercetin in rats by facilitating apical efflux of glucuronides. <i>Molecular Pharmacology</i> , <b>2005</b> , 67, 1999-2006	4.3	96
257	Mechanisms and clinical implications of renal drug excretion. <i>Drug Metabolism Reviews</i> , <b>2001</b> , 33, 299-354		96
256	Mechanisms of renal anionic drug transport. <i>European Journal of Pharmacology</i> , <b>2008</b> , 585, 245-55	5.3	95
255	Uremic toxins inhibit transport by breast cancer resistance protein and multidrug resistance protein 4 at clinically relevant concentrations. <i>PLoS ONE</i> , <b>2011</b> , 6, e18438	3.7	95
254	Thiazide-induced vasodilation in humans is mediated by potassium channel activation. <i>Hypertension</i> , <b>1998</b> , 32, 1071-6	8.5	92
253	Multidrug resistance-associated protein 4 regulates cAMP-dependent signaling pathways and controls human and rat SMC proliferation. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 2747-57	15.9	91
252	Interaction of sulphonylurea derivatives with vascular ATP-sensitive potassium channels in humans. <i>Diabetologia</i> , <b>1996</b> , 39, 1083-90	10.3	84
251	Mechanisms of drug transfer across the human placenta. <i>International Journal of Clinical Pharmacy</i> , <b>1998</b> , 20, 139-48		83
250	Direct vascular effects of furosemide in humans. <i>Circulation</i> , <b>1997</b> , 96, 1847-52	16.7	79
249	Curcumin-induced fibroblast apoptosis and in vitro wound contraction are regulated by antioxidants and heme oxygenase: implications for scar formation. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 712-25	5.6	75
248	Therapeutic implications of renal anionic drug transporters. <i>Pharmacology &amp; Therapeutics</i> , <b>2010</b> , 126, 200-16	13.9	75
247	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> , <b>2008</b> , 87, 780-91	5.4	75
246	Saturable pharmacokinetics in the renal excretion of drugs. <i>Clinical Pharmacokinetics</i> , <b>1989</b> , 16, 38-54	6.2	74
245	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> , <b>2006</b> , 1, 853-62	6.9	73
244	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> , <b>1996</b> , 93, 5401-6	11.5	68

243	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> , <b>2013</b> , 136, 382-91	4.4	67
242	The ABCs of multidrug resistance in malaria. <i>Trends in Parasitology</i> , <b>2010</b> , 26, 440-6	6.4	67
241	Reducing renal uptake of radiolabeled peptides using albumin fragments. <i>Journal of Nuclear Medicine</i> , <b>2008</b> , 49, 1506-11	8.9	67
240	Effect of hypouricaemic and hyperuricaemic drugs on the renal urate efflux transporter, multidrug resistance protein 4. <i>British Journal of Pharmacology</i> , <b>2008</b> , 155, 1066-75	8.6	65
239	In vivo evidence for K(Ca) channel opening properties of acetazolamide in the human vasculature. <i>British Journal of Pharmacology</i> , <b>2001</b> , 132, 443-50	8.6	64
238	Impaired renal secretion of substrates for the multidrug resistance protein 2 in mutant transport-deficient (TR-) rats. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2003</b> , 14, 2741-9	12.7	60
237	Inhibitory Potential of Antifungal Drugs on ATP-Binding Cassette Transporters P-Glycoprotein, MRP1 to MRP5, BCRP, and BSEP. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2016</b> , 60, 3372-9	5.9	58
236	Involvement of VDAC, Bax and ceramides in the efflux of AIF from mitochondria during curcumin-induced apoptosis. <i>PLoS ONE</i> , <b>2009</b> , 4, e6688	3.7	55
235	Function and regulation of multidrug resistance proteins (MRPs) in the renal elimination of organic anions. <i>Drug Metabolism Reviews</i> , <b>2005</b> , 37, 443-71	7	53
234	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> , <b>2018</b> , 104, 900-915	6.1	53
233	ABC transporter expression profiling after ischemic reperfusion injury in mouse kidney. <i>Kidney International</i> , <b>2006</b> , 69, 2186-93	9.9	52
232	Na,K-ATPase activity modulates Src activation: a role for ATP/ADP ratio. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2012</b> , 1818, 1269-73	3.8	49
231	Effect of drugs on renal development. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2011</b> , 6, 212-7	6.9	49
230	Vascular effects of loop diuretics. <i>Cardiovascular Research</i> , <b>1996</b> , 32, 988-97	9.9	49
229	Brothers in Arms: ABCA1- and ABCG1-Mediated Cholesterol Efflux as Promising Targets in Cardiovascular Disease Treatment. <i>Pharmacological Reviews</i> , <b>2020</b> , 72, 152-190	22.5	49
228	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> , <b>2013</b> , 162, 398-409	11	48
227	Drug-drug interactions between rosuvastatin and oral antidiabetic drugs occurring at the level of OATP1B1. <i>Drug Metabolism and Disposition</i> , <b>2013</b> , 41, 592-601	4	48
226	Blockade of vascular ATP-sensitive potassium channels reduces the vasodilator response to ischaemia in humans. <i>Diabetologia</i> , <b>1996</b> , 39, 1562-8	10.3	48

225	Regulatory pathways for ATP-binding cassette transport proteins in kidney proximal tubules. <i>AAPS Journal</i> , <b>2012</b> , 14, 883-94	3.7	46
224	Expression and immunolocalization of multidrug resistance protein 2 in rabbit small intestine. <i>European Journal of Pharmacology</i> , <b>2000</b> , 400, 195-8	5.3	46
223	Diuretic efficiency of furosemide during continuous administration versus bolus injection in healthy volunteers. <i>Clinical Pharmacology and Therapeutics</i> , <b>1992</b> , 51, 440-4	6.1	46
222	Cathepsin L is crucial for the development of early experimental diabetic nephropathy. <i>Kidney International</i> , <b>2016</b> , 90, 1012-1022	9.9	45
221	Screening of Drug-Transporter Interactions in a 3D Microfluidic Renal Proximal Tubule on a Chip. <i>AAPS Journal</i> , <b>2018</b> , 20, 87	3.7	45
220	Theophylline improves hypoglycemia unawareness in type 1 diabetes. <i>Diabetes</i> , <b>2002</b> , 51, 790-6	0.9	45
219	Nephrotoxicants induce endothelin release and signaling in renal proximal tubules: effect on drug efflux. <i>Molecular Pharmacology</i> , <b>2001</b> , 59, 1433-40	4.3	44
218	Short- and long-term influences of heavy metals on anionic drug efflux from renal proximal tubule. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2002</b> , 301, 578-85	4.7	43
217	AMAP, the alleged non-toxic isomer of acetaminophen, is toxic in rat and human liver. <i>Archives of Toxicology</i> , <b>2013</b> , 87, 155-65	5.8	42
216	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> , <b>2012</b> , 349, 551-63	4.2	41
215	Localization of the ATP-binding cassette (ABC) transport proteins PfMRP1, PfMRP2, and PfMDR5 at the Plasmodium falciparum plasma membrane. <i>Malaria Journal</i> , <b>2009</b> , 8, 205	3.6	40
214	Functional role of arginine 375 in transmembrane helix 6 of multidrug resistance protein 4 (MRP4/ABCC4). <i>Molecular Pharmacology</i> , <b>2008</b> , 74, 964-71	4.3	40
213	Combination diuretic therapy in severe congestive heart failure. <i>Drugs</i> , <b>1998</b> , 55, 165-72	12.1	40
212	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> , <b>2013</b> , 1832, 1715-22	6.9	39
211	Multidrug resistance protein mrp2 mediates ATP-dependent transport of classic renal organic anion p-aminohippurate. <i>American Journal of Physiology - Renal Physiology</i> , <b>2000</b> , 279, F713-7	4.3	39
210	Physiologically-based pharmacokinetic models for children: Starting to reach maturation?. <i>Pharmacology &amp; Therapeutics</i> , <b>2020</b> , 211, 107541	13.9	38
209	Interaction of fluvastatin with the liver-specific Na <sup>+</sup> -dependent taurocholate cotransporting polypeptide (NTCP). <i>European Journal of Pharmaceutical Sciences</i> , <b>2011</b> , 44, 487-96	5.1	38
208	Nitric oxide differentially regulates renal ATP-binding cassette transporters during endotoxemia. <i>Pflügers Archiv European Journal of Physiology</i> , <b>2007</b> , 454, 321-34	4.6	37

207	Mitoenergetic Dysfunction Triggers a Rapid Compensatory Increase in Steady-State Glucose Flux. <i>Biophysical Journal</i> , <b>2015</b> , 109, 1372-86	2.9	36
206	Physiologically Based Modelling of Darunavir/Ritonavir Pharmacokinetics During Pregnancy. <i>Clinical Pharmacokinetics</i> , <b>2016</b> , 55, 381-96	6.2	35
205	Rhodamine 123 accumulates extensively in the isolated perfused rat kidney and is secreted by the organic cation system. <i>European Journal of Pharmacology</i> , <b>1997</b> , 321, 315-23	5.3	35
204	Hypothermia causes a marked injury to rat proximal tubular cells that is aggravated by all currently used preservation solutions. <i>Cryobiology</i> , <b>2003</b> , 47, 82-91	2.7	35
203	Prediction of Fetal Darunavir Exposure by Integrating Human Ex-Vivo Placental Transfer and Physiologically Based Pharmacokinetic Modeling. <i>Clinical Pharmacokinetics</i> , <b>2018</b> , 57, 705-716	6.2	35
202	Biomarker discovery with SELDI-TOF MS in human urine associated with early renal injury: evaluation with computational analytical tools. <i>Nephrology Dialysis Transplantation</i> , <b>2007</b> , 22, 2932-43	4.3	33
201	HMOX1 promoter polymorphism modulates the relationship between disease activity and joint damage in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , <b>2008</b> , 58, 3388-93		33
200	Potential role for adenosine in the pathogenesis of the vascular complications of hyperhomocysteinemia. <i>Cardiovascular Research</i> , <b>2003</b> , 59, 271-6	9.9	33
199	Modulatory effects of hormones, drugs, and toxic events on renal organic anion transport. <i>Biochemical Pharmacology</i> , <b>2003</b> , 65, 1393-405	6	33
198	Cannabinoid type 1 receptor antagonists modulate transport activity of multidrug resistance-associated proteins MRP1, MRP2, MRP3, and MRP4. <i>Drug Metabolism and Disposition</i> , <b>2011</b> , 39, 1294-302	4	32
197	Nasal absorption of hydroxocobalamin in healthy elderly adults. <i>British Journal of Clinical Pharmacology</i> , <b>1998</b> , 45, 83-6	3.8	32
196	Plasma patterns of tumor necrosis factor-alpha (TNF) and TNF soluble receptors during acute meningococcal infections and the effect of plasma exchange. <i>Clinical Infectious Diseases</i> , <b>1998</b> , 26, 918-23	11.6	32
195	Inhibitory potential of tuberculosis drugs on ATP-binding cassette drug transporters. <i>Tuberculosis</i> , <b>2016</b> , 96, 150-7	2.6	31
194	Atovaquone and quinine anti-malarials inhibit ATP binding cassette transporter activity. <i>Malaria Journal</i> , <b>2014</b> , 13, 359	3.6	31
193	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> , <b>2008</b> , 584, 390-7	5.3	31
192	Pharmacokinetics of spiramycin in the rhesus monkey: transplacental passage and distribution in tissue in the fetus. <i>Antimicrobial Agents and Chemotherapy</i> , <b>1994</b> , 38, 1922-9	5.9	31
191	Statin Lactonization by Uridine 5-Diphospho-glucuronosyltransferases (UGTs). <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 4048-55	5.6	30
190	Role of NO in endothelin-regulated drug transport in the renal proximal tubule. <i>American Journal of Physiology - Renal Physiology</i> , <b>2002</b> , 282, F458-64	4.3	30

189	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> , <b>2001</b> , 134, 931-8	8.6	30
188	Transporters: Importance in Drug Absorption, Distribution, and Removal <b>2010</b> , 27-49		29
187	Placental folate transport and binding are not impaired in pregnancies complicated by fetal growth restriction. <i>Placenta</i> , <b>2004</b> , 25, 588-93	3.4	29
186	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> , <b>2018</b> , 58, 271-291	17.9	28
185	Therapeutic effects of the mitochondrial ROS-redox modulator KH176 in a mammalian model of Leigh Disease. <i>Scientific Reports</i> , <b>2017</b> , 7, 11733	4.9	28
184	In silico identification of potential cholestasis-inducing agents via modeling of Na(+)-dependent taurocholate cotransporting polypeptide substrate specificity. <i>Toxicological Sciences</i> , <b>2012</b> , 129, 35-48	4.4	28
183	Atrial natriuretic peptide. An overview of clinical pharmacology and pharmacokinetics. <i>Clinical Pharmacokinetics</i> , <b>1993</b> , 24, 28-45	6.2	28
182	P-glycoprotein-deficient mice have proximal tubule dysfunction but are protected against ischemic renal injury. <i>Kidney International</i> , <b>2007</b> , 72, 1233-41	9.9	27
181	Solid-phase extraction of furosemide from plasma and urine and subsequent analysis by high-performance liquid chromatography. <i>Biomedical Applications</i> , <b>1989</b> , 496, 234-41		27
180	Expression of Organic Anion Transporter 1 or 3 in Human Kidney Proximal Tubule Cells Reduces Cisplatin Sensitivity. <i>Drug Metabolism and Disposition</i> , <b>2018</b> , 46, 592-599	4	26
179	In silico identification and in vitro validation of potential cholestatic compounds through 3D ligand-based pharmacophore modeling of BSEP inhibitors. <i>Chemical Research in Toxicology</i> , <b>2014</b> , 27, 873-81	4	26
178	Interaction of digitalis-like compounds with liver uptake transporters NTCP, OATP1B1, and OATP1B3. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 1844-55	5.6	26
177	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> , <b>2020</b> , 1864, 129433	4	26
176	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> , <b>2019</b> , 50, 738-750	6.1	25
175	Aggregate dermal exposure to cyclic siloxanes in personal care products: implications for risk assessment. <i>Environment International</i> , <b>2015</b> , 74, 231-9	12.9	25
174	Statins Affect Skeletal Muscle Performance: Evidence for Disturbances in Energy Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2018</b> , 103, 75-84	5.6	25
173	Multidrug resistance protein 4/ ATP binding cassette transporter 4: a new potential therapeutic target for acute myeloid leukemia. <i>Oncotarget</i> , <b>2014</b> , 5, 9308-21	3.3	25
172	Placental transfer of the HIV integrase inhibitor dolutegravir in an ex vivo human cotyledon perfusion model. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 480-3	5.1	24

171	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> , <b>2014</b> , 1842, 1010-6	6.9	24
170	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> , <b>2014</b> , 164, 46-56	11	24
169	Phenylalanine 368 of multidrug resistance-associated protein 4 (MRP4/ABCC4) plays a crucial role in substrate-specific transport activity. <i>Biochemical Pharmacology</i> , <b>2012</b> , 84, 366-73	6	24
168	Mass spectrometry analysis of hepcidin peptides in experimental mouse models. <i>PLoS ONE</i> , <b>2011</b> , 6, e16362	3.62	24
167	Regulation of P-glycoprotein in renal proximal tubule epithelial cells by LPS and TNF-alpha. <i>Journal of Biomedicine and Biotechnology</i> , <b>2010</b> , 2010, 525180		24
166	Interaction of digitalis-like compounds with p-glycoprotein. <i>Toxicological Sciences</i> , <b>2013</b> , 131, 502-11	4.4	23
165	Vascular effects of glibenclamide vs. glimepiride and metformin in Type 2 diabetic patients. <i>Diabetic Medicine</i> , <b>2002</b> , 19, 136-43	3.5	23
164	Safety of drug use in patients with a primary mitochondrial disease: An international Delphi-based consensus. <i>Journal of Inherited Metabolic Disease</i> , <b>2020</b> , 43, 800-818	5.4	22
163	Insights into the role of bone marrow-derived stem cells in renal repair. <i>Kidney and Blood Pressure Research</i> , <b>2008</b> , 31, 104-10	3.1	22
162	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> , <b>2005</b> , 315, 912-20	4.7	22
161	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> , <b>1990</b> , 24, 89-103		22
160	Na+ and H+ gradient-dependent transport of p-aminohippurate in membrane vesicles from dog kidney cortex. <i>Biochemical Pharmacology</i> , <b>1988</b> , 37, 2639-49	6	22
159	The heme-heme oxygenase system in wound healing; implications for scar formation. <i>Current Drug Targets</i> , <b>2010</b> , 11, 1571-85	3	22
158	Modeling mitochondrial dysfunctions in the brain: from mice to men. <i>Journal of Inherited Metabolic Disease</i> , <b>2012</b> , 35, 193-210	5.4	21
157	Characterization of P-glycoprotein and multidrug resistance proteins in rat kidney and intestinal cell lines. <i>European Journal of Pharmaceutical Sciences</i> , <b>2007</b> , 30, 36-44	5.1	21
156	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> , <b>1987</b> , 15, 349-68		21
155	cCMP is a substrate for MRP5. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2014</b> , 387, 893-5	3.4	20
154	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> , <b>2004</b> , 287, F33-8	4.3	20



153	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> , <b>2006</b> , 318, 1194-202	4.7	19
152	Combination of methotrexate and sulphasalazine in patients with rheumatoid arthritis: pharmacokinetic analysis and relationship to clinical response. <i>British Journal of Clinical Pharmacology</i> , <b>1996</b> , 42, 195-200	3.8	19
151	Biomarkers for methotrexate-induced liver injury: urinary protein profiling of psoriasis patients. <i>Toxicology Letters</i> , <b>2013</b> , 221, 219-24	4.4	18
150	Glutathione status and the renal elimination of inorganic mercury in the Mrp2(-/-) mouse. <i>PLoS ONE</i> , <b>2013</b> , 8, e73559	3.7	18
149	Probenecid interferes with renal oxidative metabolism: a potential pitfall in its use as an inhibitor of drug transport. <i>British Journal of Pharmacology</i> , <b>2000</b> , 131, 57-62	8.6	18
148	First reported use of elvitegravir and cobicistat during pregnancy. <i>Aids</i> , <b>2016</b> , 30, 807-8	3.5	18
147	Moxifloxacin Is a Potent In Vitro Inhibitor of OCT- and MATE-Mediated Transport of Metformin and Ethambutol. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2016</b> , 60, 7105-7114	5.9	18
146	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> , <b>2019</b> , 15, e1007117	5	17
145	Exposure to total and protein-unbound rifampin is not affected by malnutrition in Indonesian tuberculosis patients. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 59, 3233-9	5.9	17
144	Chloroquine Dosing Recommendations for Pediatric COVID-19 Supported by Modeling and Simulation. <i>Clinical Pharmacology and Therapeutics</i> , <b>2020</b> , 108, 248-252	6.1	17
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