

# Frans G M Russel

## 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.

278  
papers

9,045  
citations

49  
h-index

81  
g-index

291  
ext. papers

10,026  
ext. citations

5.7  
avg. IF

5.98  
L-index

#	Paper	IF	Citations
278	Dissecting Drug-Induced Cytotoxicity and Metabolic Dysfunction in Conditionally Immortalized Human Proximal Tubule Cells.. <i>Frontiers in Toxicology</i> , <b>2022</b> , 4, 842396	1.6	0
277	Restoring cellular NAD(P)H levels by PPAR $\alpha$ and LXR $\beta$ stimulation to improve mitochondrial complex I deficiency.. <i>Life Sciences</i> , <b>2022</b> , 120571	6.8	
276	Determination of cytotoxicity following oxidative treatment of pharmaceutical residues in wastewater. <i>Chemosphere</i> , <b>2022</b> , 303, 135022	8.4	1
275	The hepatocyte export carrier inhibition assay improves the separation of hepatotoxic from non-hepatotoxic compounds. <i>Chemico-Biological Interactions</i> , <b>2021</b> , 351, 109728	5	4
274	Physiologically based pharmacokinetic/pharmacodynamic model for the prediction of morphine brain disposition and analgesia in adults and children. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1008786	5	4
273	Nephroscreen: A robust and versatile renal tubule-on-a-chip platform for nephrotoxicity assessment. <i>Current Opinion in Toxicology</i> , <b>2021</b> , 25, 42-48	4.4	1
272	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> , <b>2021</b> , 1867, 166062	6.9	5
271	Thermal plasma activation and UV/HO oxidative degradation of pharmaceutical residues. <i>Environmental Research</i> , <b>2021</b> , 195, 110884	7.9	6
270	Implementation of a Human Renal Proximal Tubule on a Chip for Nephrotoxicity and Drug Interaction Studies. <i>Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 110, 1601-1614	3.9	15
269	Comment on "A severe linezolid-induced rhabdomyolysis and lactic acidosis in Leigh syndrome". <i>Journal of Inherited Metabolic Disease</i> , <b>2021</b> , 44, 6-7	5.4	2
268	Placental disposition of eculizumab, C5 and C5-eculizumab in two pregnancies of a woman with paroxysmal nocturnal haemoglobinuria. <i>British Journal of Clinical Pharmacology</i> , <b>2021</b> , 87, 2128-2131	3.8	2
267	Toxicity of anticancer drugs in human placental tissue explants and trophoblast cell lines. <i>Archives of Toxicology</i> , <b>2021</b> , 95, 557-571	5.8	6
266	Transfer of uremic solutes across the human term placenta: An ex vivo study in the dual-side perfused cotyledon. <i>Placenta</i> , <b>2021</b> , 104, 220-231	3.4	0
265	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> , <b>2021</b> , 39, 31-48	7.1	0
264	Differences in P-glycoprotein activity in human and rodent blood-brain barrier assessed by mechanistic modelling. <i>Archives of Toxicology</i> , <b>2021</b> , 95, 3015-3029	5.8	1
263	Personal exposure assessment of pesticides in residents: The association between hand wipes and urinary biomarkers. <i>Environmental Research</i> , <b>2021</b> , 199, 111282	7.9	2
262	Ontogeny of Small Intestinal Drug Transporters and Metabolizing Enzymes Based on Targeted Quantitative Proteomics. <i>Drug Metabolism and Disposition</i> , <b>2021</b> , 49, 1038-1046	4	3

261	Human multidrug resistance protein 4 (MRP4) is a cellular efflux transporter for paracetamol glutathione and cysteine conjugates. <i>Archives of Toxicology</i> , <b>2020</b> , 94, 3027-3032	5.8	3
260	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> , <b>2020</b> , 1866, 165727	6.9	10
259	Assessment of Placental Disposition of Infliximab and Etanercept in Women With Autoimmune Diseases and in the Ex Vivo Perfused Placenta. <i>Clinical Pharmacology and Therapeutics</i> , <b>2020</b> , 108, 99-106	6.1	7
258	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
257	Physiologically-based pharmacokinetic models for children: Starting to reach maturation?. <i>Pharmacology &amp; Therapeutics</i> , <b>2020</b> , 211, 107541	13.9	38
256	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
255	Assessment of Maternal and Fetal Dolutegravir Exposure by Integrating Ex Vivo Placental Perfusion Data and Physiologically-Based Pharmacokinetic Modeling. <i>Clinical Pharmacology and Therapeutics</i> , <b>2020</b> , 107, 1352-1361	6.1	15
254	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
253	Oxidative degradation of cyclophosphamide using thermal plasma activation and UV/HO treatment in tap water. <i>Environmental Research</i> , <b>2020</b> , 182, 109046	7.9	11
252	Completing the Enalaprilat Excretion Pathway-Renal Handling by the Proximal Tubule. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	3
251	Rifampicin Transport by OATP1B1 Variants. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2020</b> , 64,	5.9	3
250	Developmental patterns in human blood-brain barrier and blood-cerebrospinal fluid barrier ABC drug transporter expression. <i>Histochemistry and Cell Biology</i> , <b>2020</b> , 154, 265-273	2.4	12
249	Transfer of daclatasvir and sofosbuvir's main metabolite, GS-331007, across the human placenta ex vivo. <i>American Journal of Obstetrics and Gynecology</i> , <b>2020</b> , 223, 941-943	6.4	1
248	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
247	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> , <b>2020</b> , 31, 650-662	12.7	15
246	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
245	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
244	Differential effects of psychoactive substances on human wildtype and polymorphic T356M dopamine transporters (DAT). <i>Toxicology</i> , <b>2019</b> , 422, 69-75	4.4	3

243	Evaluating darunavir/ritonavir dosing regimens for HIV-positive pregnant women using semi-mechanistic pharmacokinetic modelling. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2019</b> , 74, 1348-1356	5.1	5
242	Organic anion transporters 1 and 3 influence cellular energy metabolism in renal proximal tubule cells. <i>Biological Chemistry</i> , <b>2019</b> , 400, 1347-1358	4.5	8
241	Toxicokinetics of a urinary metabolite of tebuconazole following controlled oral and dermal administration in human volunteers. <i>Archives of Toxicology</i> , <b>2019</b> , 93, 2545-2553	5.8	9
240	To be or not to be pink(1): contradictory findings in an animal model for Parkinson's disease. <i>Brain Communications</i> , <b>2019</b> , 1, fcz016	4.5	11
239	Biomarker Use for Advanced Screening of Drug-Induced Kidney Injury <b>2019</b> , 93-99		
238	Uremic solutes modulate hepatic bile acid handling and induce mitochondrial toxicity. <i>Toxicology in Vitro</i> , <b>2019</b> , 56, 52-61	3.6	15
237	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> , <b>2018</b> , 119, 244-248	5.1	10
236	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> , <b>2018</b> , 115, 175-184	5.1	9
235	A Mechanism-Based Population Pharmacokinetic Analysis Assessing the Feasibility of Efavirenz Dose Reduction to 400mg in Pregnant Women. <i>Clinical Pharmacokinetics</i> , <b>2018</b> , 57, 1421-1433	6.2	5
234	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
233	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
232	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
231	Parenteral bilirubin in healthy volunteers: a reintroduction in translational research. <i>British Journal of Clinical Pharmacology</i> , <b>2018</b> , 84, 268-279	3.8	9
230	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
229	Experimental study of diclofenac and its biliary metabolites on anastomotic healing. <i>BJS Open</i> , <b>2018</b> , 2, 220-228	3.9	1
228	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
227	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> , <b>2018</b> , 298, 201-206	4.6	5
226	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

225	EditorQ Highlight: Placental Disposition and Effects of Crizotinib: An Ex Vivo Study in the Isolated Dual-Side Perfused Human Cotyledon. <i>Toxicological Sciences</i> , <b>2017</b> , 157, 500-509	4.4	14
224	Effects of a human recombinant alkaline phosphatase during impaired mitochondrial function in human renal proximal tubule epithelial cells. <i>European Journal of Pharmacology</i> , <b>2017</b> , 796, 149-157	5.3	5
223	Proguanil and cycloguanil are organic cation transporter and multidrug and toxin extrusion substrates. <i>Malaria Journal</i> , <b>2017</b> , 16, 422	3.6	12
222	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
221	Mild intracellular acidification by dexamethasone attenuates mitochondrial dysfunction in a human inflammatory proximal tubule epithelial cell model. <i>Scientific Reports</i> , <b>2017</b> , 7, 10623	4.9	2
220	Flucloxacillin Results in Suboptimal Plasma Voriconazole Concentrations. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	13
219	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
218	Substantially lowered dolutegravir exposure in a treatment-experienced perinatally HIV-1-infected pregnant woman. <i>Aids</i> , <b>2016</b> , 30, 1999-2001	3.5	6
217	MRP1 mediates folate transport and antifolate sensitivity in Plasmodium falciparum. <i>FEBS Letters</i> , <b>2016</b> , 590, 482-92	3.8	8
216	Protective Efficacy Induced by Genetically Attenuated Mid-to-Late Liver-Stage Arresting Plasmodium berghei <i>hrrp2</i> Parasites. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2016</b> , 95, 378-82 <sup>3,2</sup>		5
215	Vital and dispensable roles of Plasmodium multidrug resistance transporters during blood- and mosquito-stage development. <i>Molecular Microbiology</i> , <b>2016</b> , 101, 78-91	4.1	9
214	Gait analysis in a mouse model resembling Leigh disease. <i>Behavioural Brain Research</i> , <b>2016</b> , 296, 191-198 <sup>3,4</sup>		16
213	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
212	Heterogeneous transport of digitalis-like compounds by P-glycoprotein in vesicular and cellular assays. <i>Toxicology in Vitro</i> , <b>2016</b> , 32, 138-45	3.6	5
211	Inhibitory potential of tuberculosis drugs on ATP-binding cassette drug transporters. <i>Tuberculosis</i> , <b>2016</b> , 96, 150-7	2.6	31
210	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
209	Physiologically Based Modelling of Darunavir/Ritonavir Pharmacokinetics During Pregnancy. <i>Clinical Pharmacokinetics</i> , <b>2016</b> , 55, 381-96	6.2	35
208	Uremic Solutes in Chronic Kidney Disease and Their Role in Progression. <i>PLoS ONE</i> , <b>2016</b> , 11, e0168117	3.7	13

207	Multidrug ATP-binding cassette transporters are essential for hepatic development of Plasmodium sporozoites. <i>Cellular Microbiology</i> , <b>2016</b> , 18, 369-83	3.9	17
206	First reported use of elvitegravir and cobicistat during pregnancy. <i>Aids</i> , <b>2016</b> , 30, 807-8	3.5	18
205	The effect of dipyridamole on the pharmacokinetics of metformin: a randomized crossover study in healthy volunteers. <i>European Journal of Clinical Pharmacology</i> , <b>2016</b> , 72, 725-30	2.8	7
204	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
203	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
202	PfMDR2 and PfMDR5 are dispensable for Plasmodium falciparum asexual parasite multiplication but change in vitro susceptibility to anti-malarial drugs. <i>Malaria Journal</i> , <b>2015</b> , 14, 76	3.6	14
201	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
200	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
199	Feline hepatic biotransformation of diazepam: Differences between cats and dogs. <i>Research in Veterinary Science</i> , <b>2015</b> , 103, 119-25	2.5	8
198	Statin-Induced Myopathy Is Associated with Mitochondrial Complex III Inhibition. <i>Cell Metabolism</i> , <b>2015</b> , 22, 399-407	24.6	143
197	Mitochondrial ADP/ATP exchange inhibition: a novel off-target mechanism underlying ibipinabant-induced myotoxicity. <i>Scientific Reports</i> , <b>2015</b> , 5, 14533	4.9	13
196	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> , <b>2015</b> , 10, e0128695	3.7	9
195	Statin Lactonization by Uridine 5-Diphospho-glucuronosyltransferases (UGTs). <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 4048-55	5.6	30
194	Including carrier-mediated transport in oral uptake prediction of nutrients and pharmaceuticals in humans. <i>Environmental Toxicology and Pharmacology</i> , <b>2014</b> , 38, 938-47	5.8	2
193	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> , <b>2014</b> , 34, 993-1001	4.1	9
192	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> , <b>2014</b> , 86, 5794-9	7.8	9
191	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
190	cCMP is a substrate for MRP5. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2014</b> , 387, 893-5	3.4	20



189	KRIPO - a structure-based pharmacophores approach explains polypharmacological effects. <i>Journal of Cheminformatics</i> , <b>2014</b> , 6, O26	8.6	5
188	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
187	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
186	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
185	Biochemical characterization of sporadic/familial hemiplegic migraine mutations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2014</b> , 1838, 1693-700	3.8	9
184	Delayed cutaneous wound closure in HO-2 deficient mice despite normal HO-1 expression. <i>Journal of Cellular and Molecular Medicine</i> , <b>2014</b> , 18, 2488-98	5.6	13
183	Atovaquone and quinine anti-malarials inhibit ATP binding cassette transporter activity. <i>Malaria Journal</i> , <b>2014</b> , 13, 359	3.6	31
182	Application of urine proteomics for biomarker discovery in drug-induced liver injury. <i>Critical Reviews in Toxicology</i> , <b>2014</b> , 44, 823-41	5.7	16
181	Convallatoxin: a new P-glycoprotein substrate. <i>European Journal of Pharmacology</i> , <b>2014</b> , 744, 18-27	5.3	9
180	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> , <b>2014</b> , 27, 2082-92	4	16
179	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
178	Semi-mechanistic physiologically-based pharmacokinetic modeling of clinical glibenclamide pharmacokinetics and drug-drug-interactions. <i>European Journal of Pharmaceutical Sciences</i> , <b>2013</b> , 49, 819-28	5.1	17
177	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
176	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	4.5	48
175	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
174	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
173	Familial hemiplegic migraine mutations affect Na,K-ATPase domain interactions. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2013</b> , 1832, 2173-9	6.9	11
172	Urinary proteomic profiling reveals diclofenac-induced renal injury and hepatic regeneration in mice. <i>Toxicology and Applied Pharmacology</i> , <b>2013</b> , 269, 141-9	4.6	8

171	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
170	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
169	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
168	Interaction of digitalis-like compounds with p-glycoprotein. <i>Toxicological Sciences</i> , <b>2013</b> , 131, 502-11	4.4	23
167	The feline bile salt export pump: a structural and functional comparison with canine and human Bsep/BSEP. <i>BMC Veterinary Research</i> , <b>2013</b> , 9, 259	2.7	10
166	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
165	Heme Oxygenase-1 and breast cancer resistance protein protect against heme-induced toxicity. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 19, 2698-707	3.3	14
164	Analysis of Renal Transporters. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , <b>2013</b> , 235-256	0.5	
163	Differential effects of sulfonylurea derivatives on vascular ATP-sensitive potassium channels. <i>European Journal of Pharmacology</i> , <b>2012</b> , 681, 75-9	5.3	4
162	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
161	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
160	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
159	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> , <b>2012</b> , 9, 1351-60	5.6	17
158	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
157	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
156	Identification of novel translational urinary biomarkers for acetaminophen-induced acute liver injury using proteomic profiling in mice. <i>PLoS ONE</i> , <b>2012</b> , 7, e49524	3.7	9
155	Acute acetaminophen intoxication leads to hepatic iron loading by decreased hepcidin synthesis. <i>Toxicological Sciences</i> , <b>2012</b> , 129, 225-33	4.4	12
154	Transport of the coumarin metabolite 7-hydroxycoumarin glucuronide is mediated via multidrug resistance-associated proteins 3 and 4. <i>Drug Metabolism and Disposition</i> , <b>2012</b> , 40, 1076-9	4	12



153	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
152	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
151	Mass spectrometry analysis of hepcidin peptides in experimental mouse models. <i>PLoS ONE</i> , <b>2011</b> , 6, e16362	3.6	24
150	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> , <b>2011</b> , 89, 587-94	6.1	8
149	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
148	Urinary protein profiling in hyperactive delirium and non-delirium cardiac surgery ICU patients. <i>Proteome Science</i> , <b>2011</b> , 9, 13	2.6	4
147	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
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6	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
5	Saturable pharmacokinetics in the renal excretion of drugs. <i>Clinical Pharmacokinetics</i> , <b>1989</b> , 16, 38-54	6.2	74
4	Na <sup>+</sup> and H <sup>+</sup> 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
3	Quantitative urine collection in renal clearance studies in the dog. <i>Journal of Pharmacological Methods</i> , <b>1987</b> , 17, 125-36		15
2	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
1	Renal clearance of sulphinpyrazone in man. <i>European Journal of Clinical Pharmacology</i> , <b>1986</b> , 31, 473-8	2.8	4