

Roos Masereeuw

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246
papers

7,715
citations

47
h-index

76
g-index

277
ext. papers

9,008
ext. citations

6.3
avg, IF

5.98
L-index

#	Paper	IF	Citations
246	Multidrug resistance protein 4 (MRP4/ABCC4): a versatile efflux transporter for drugs and signalling molecules. <i>Trends in Pharmacological Sciences</i> , 2008 , 29, 200-7	13.2	317
245	Kidney-on-a-Chip Technology for Drug-Induced Nephrotoxicity Screening. <i>Trends in Biotechnology</i> , 2016 , 34, 156-170	15.1	217
244	Molecular aspects of renal anionic drug transport. <i>Annual Review of Physiology</i> , 2002 , 64, 563-94	23.1	209
243	The breast cancer resistance protein transporter ABCG2 is expressed in the human kidney proximal tubule apical membrane. <i>Kidney International</i> , 2008 , 73, 220-5	9.9	197
242	Renal toxicity of radiolabeled peptides and antibody fragments: mechanisms, impact on radionuclide therapy, and strategies for prevention. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 1049-58	8.9	191
241	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, 1393-7	4	171
240	Tubuloids derived from human adult kidney and urine for personalized disease modeling. <i>Nature Biotechnology</i> , 2019 , 37, 303-313	44.5	165
239	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	4.7	134
238	Novel conditionally immortalized human proximal tubule cell line expressing functional influx and efflux transporters. <i>Cell and Tissue Research</i> , 2010 , 339, 449-57	4.2	134
237	Ischemic preconditioning in the animal kidney, a systematic review and meta-analysis. <i>PLoS ONE</i> , 2012 , 7, e32296	3.7	132
236	Alkaline phosphatase treatment improves renal function in severe sepsis or septic shock patients. <i>Critical Care Medicine</i> , 2009 , 37, 417-23, e1	1.4	120
235	Selective iNOS inhibition for the treatment of sepsis-induced acute kidney injury. <i>Nature Reviews Nephrology</i> , 2009 , 5, 629-40	14.9	118
234	Cysteamine: an old drug with new potential. <i>Drug Discovery Today</i> , 2013 , 18, 785-92	8.8	114
233	Molecular pharmacology of renal organic anion transporters. <i>American Journal of Physiology - Renal Physiology</i> , 2000 , 279, F216-32	4.3	112
232	The kidney and uremic toxin removal: glomerulus or tubule?. <i>Seminars in Nephrology</i> , 2014 , 34, 191-208	4.8	100
231	Iron metabolism in the pathogenesis of iron-induced kidney injury. <i>Nature Reviews Nephrology</i> , 2013 , 9, 385-98	14.9	96
230	Mechanisms and clinical implications of renal drug excretion. <i>Drug Metabolism Reviews</i> , 2001 , 33, 299-354		96

229	Mechanisms of renal anionic drug transport. <i>European Journal of Pharmacology</i> , 2008 , 585, 245-55	5.3	95
228	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	3.7	95
227	Uremic toxins inhibit renal metabolic capacity through interference with glucuronidation and mitochondrial respiration. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 142-50	6.9	92
226	Bioengineered kidney tubules efficiently excrete uremic toxins. <i>Scientific Reports</i> , 2016 , 6, 26715	4.9	84
225	Complexation-induced resolution enhancement of 3D-printed hydrogel constructs. <i>Nature Communications</i> , 2020 , 11, 1267	17.4	83
224	New markers of inflammation-induced renal injury subside when endotoxin tolerance develops in humans as measured by urine proteomics. <i>Critical Care</i> , 2010 , 14, P511	10.8	78
223	Inflammation-induced renal injury subsides when endotoxin tolerance develops in humans as measured by urine proteomics. <i>Critical Care</i> , 2009 , 13, P251	10.8	78
222	A Human Renal Proximal Tubule Cell Line with Stable Organic Anion Transporter 1 and 3 Expression Predictive for Antiviral-Induced Toxicity. <i>AAPS Journal</i> , 2016 , 18, 465-75	3.7	75
221	Therapeutic implications of renal anionic drug transporters. <i>Pharmacology & Therapeutics</i> , 2010 , 126, 200-16	13.9	75
220	Advances in predictive in vitro models of drug-induced nephrotoxicity. <i>Nature Reviews Nephrology</i> , 2018 , 14, 378-393	14.9	74
219	Human proximal tubule epithelial cells cultured on hollow fibers: living membranes that actively transport organic cations. <i>Scientific Reports</i> , 2015 , 5, 16702	4.9	73
218	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, 853-62	6.9	73
217	Cysteamine restores glutathione redox status in cultured cystinotic proximal tubular epithelial cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2011 , 1812, 643-51	6.9	68
216	A morphological and functional comparison of proximal tubule cell lines established from human urine and kidney tissue. <i>Experimental Cell Research</i> , 2014 , 323, 87-99	4.2	67
215	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, 382-91	4.4	67
214	Remote ischaemic preconditioning by brief hind limb ischaemia protects against renal ischaemia-reperfusion injury: the role of adenosine. <i>Nephrology Dialysis Transplantation</i> , 2011 , 26, 3108-17	4.3	67
213	Reducing renal uptake of radiolabeled peptides using albumin fragments. <i>Journal of Nuclear Medicine</i> , 2008 , 49, 1506-11	8.9	67
212	The Influence of Dietary Protein Intake on Mammalian Tryptophan and Phenolic Metabolites. <i>PLoS ONE</i> , 2015 , 10, e0140820	3.7	62

211	Renal uptake of radiolabeled octreotide in human subjects is efficiently inhibited by succinylated gelatin. <i>Journal of Nuclear Medicine</i> , 2006 , 47, 432-6	8.9	62
210	Gelatin-based plasma expander effectively reduces renal uptake of ¹¹¹ In-octreotide in mice and rats. <i>Journal of Nuclear Medicine</i> , 2006 , 47, 528-33	8.9	62
209	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> , 2003 , 14, 2741-9	12.7	60
208	Alkaline phosphatase: a possible treatment for sepsis-associated acute kidney injury in critically ill patients. <i>American Journal of Kidney Diseases</i> , 2014 , 63, 1038-48	7.4	59
207	In vitro and in vivo transport of zidovudine (AZT) across the blood-brain barrier and the effect of transport inhibitors. <i>Pharmaceutical Research</i> , 1994 , 11, 324-30	4.5	58
206	Endothelin B receptor-mediated regulation of ATP-driven drug secretion in renal proximal tubule. <i>Molecular Pharmacology</i> , 2000 , 57, 59-67	4.3	54
205	Function and regulation of multidrug resistance proteins (MRPs) in the renal elimination of organic anions. <i>Drug Metabolism Reviews</i> , 2005 , 37, 443-71	7	53
204	ABC transporter expression profiling after ischemic reperfusion injury in mouse kidney. <i>Kidney International</i> , 2006 , 69, 2186-93	9.9	52
203	Nephrotoxicity and Kidney Transport Assessment on 3D Perfused Proximal Tubules. <i>AAPS Journal</i> , 2018 , 20, 90	3.7	51
202	Optimized metabolomic approach to identify uremic solutes in plasma of stage 3-4 chronic kidney disease patients. <i>PLoS ONE</i> , 2013 , 8, e71199	3.7	50
201	Effect of drugs on renal development. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2011 , 6, 212-7	6.9	49
200	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	11	48
199	Remote sensing and signaling in kidney proximal tubules stimulates gut microbiome-derived organic anion secretion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 16105-16110	11.5	47
198	Alkaline phosphatase protects against renal inflammation through dephosphorylation of lipopolysaccharide and adenosine triphosphate. <i>British Journal of Pharmacology</i> , 2015 , 172, 4932-45	8.6	47
197	Regulatory pathways for ATP-binding cassette transport proteins in kidney proximal tubules. <i>AAPS Journal</i> , 2012 , 14, 883-94	3.7	46
196	Screening of Drug-Transporter Interactions in a 3D Microfluidic Renal Proximal Tubule on a Chip. <i>AAPS Journal</i> , 2018 , 20, 87	3.7	45
195	Epithelial-to-mesenchymal transition in fibrosis: collagen type I expression is highly upregulated after EMT, but does not contribute to collagen deposition. <i>Experimental Cell Research</i> , 2013 , 319, 3000-9	4.2	45
194	Nephrotoxicants induce endothelin release and signaling in renal proximal tubules: effect on drug efflux. <i>Molecular Pharmacology</i> , 2001 , 59, 1433-40	4.3	44

193	Mesenchymal stem cell-conditioned medium accelerates regeneration of human renal proximal tubule epithelial cells after gentamicin toxicity. <i>Experimental and Toxicologic Pathology</i> , 2013 , 65, 595-600		43
192	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, 578-85	4.7	43
191	Cationic uremic toxins affect human renal proximal tubule cell functioning through interaction with the organic cation transporter. <i>Pflugers Archiv European Journal of Physiology</i> , 2013 , 465, 1701-14	4.6	41
190	Proximal tubular efflux transporters involved in renal excretion of p-cresyl sulfate and p-cresyl glucuronide: Implications for chronic kidney disease pathophysiology. <i>Toxicology in Vitro</i> , 2015 , 29, 1868-77	3.6	41
189	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, 551-63	4.2	41
188	Kidney-based in vitro models for drug-induced toxicity testing. <i>Archives of Toxicology</i> , 2019 , 93, 3397-3418	3.8	40
187	Renal Handling of Circulating and Renal-Synthesized Hepcidin and Its Protective Effects against Hemoglobin-Mediated Kidney Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 2720-32	12.7	40
186	Biotechnological challenges of bioartificial kidney engineering. <i>Biotechnology Advances</i> , 2014 , 32, 1317-1327	3.7	39
185	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, 1715-22	6.9	39
184	Multidrug resistance protein mrp2 mediates ATP-dependent transport of classic renal organic anion p-aminohippurate. <i>American Journal of Physiology - Renal Physiology</i> , 2000 , 279, F713-7	4.3	39
183	Development of a living membrane comprising a functional human renal proximal tubule cell monolayer on polyethersulfone polymeric membrane. <i>Acta Biomaterialia</i> , 2015 , 14, 22-32	10.8	37
182	Nitric oxide differentially regulates renal ATP-binding cassette transporters during endotoxemia. <i>Pflugers Archiv European Journal of Physiology</i> , 2007 , 454, 321-34	4.6	37
181	Upscaling of a living membrane for bioartificial kidney device. <i>European Journal of Pharmacology</i> , 2016 , 790, 28-35	5.3	35
180	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, 315-23	5.3	35
179	Prophylactic effect of recombinant factor VIIa in factor VII deficient patients. <i>British Journal of Haematology</i> , 2004 , 125, 494-9	4.5	35
178	Fluorescence-Based Transport Assays Revisited in a Human Renal Proximal Tubule Cell Line. <i>Molecular Pharmaceutics</i> , 2016 , 13, 933-44	5.6	34
177	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, 2932-43	4.3	33
176	Modulatory effects of hormones, drugs, and toxic events on renal organic anion transport. <i>Biochemical Pharmacology</i> , 2003 , 65, 1393-405	6	33

175	Multiple pathways of organic anion secretion in renal proximal tubule revealed by confocal microscopy. <i>American Journal of Physiology - Renal Physiology</i> , 1996 , 271, F1173-82	4.3	33
174	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, 390-7	5.3	31
173	Disposition and clinical implications of protein-bound uremic toxins. <i>Clinical Science</i> , 2017 , 131, 1631-1647	4.5	30
172	Role of NO in endothelin-regulated drug transport in the renal proximal tubule. <i>American Journal of Physiology - Renal Physiology</i> , 2002 , 282, F458-64	4.3	30
171	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, 931-8	8.6	30
170	A combination of anti-CD3 and anti-CD7 ricin A-immunotoxins for the in vivo treatment of acute graft versus host disease. <i>Blood</i> , 2000 , 95, 3693-3701	2.2	30
169	Characterization of fluorescein transport in isolated proximal tubular cells of the rat: evidence for mitochondrial accumulation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1994 , 269, 1261-7	4.7	30
168	From portable dialysis to a bioengineered kidney. <i>Expert Review of Medical Devices</i> , 2018 , 15, 323-336	3.5	29
167	Alkaline phosphatase as a treatment of sepsis-associated acute kidney injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013 , 344, 2-7	4.7	29
166	Subunit-specific incorporation efficiency and kinetics in mitochondrial complex I homeostasis. <i>Journal of Biological Chemistry</i> , 2012 , 287, 41851-60	5.4	29
165	Carbon Nanotube Reinforced Supramolecular Hydrogels for Bioapplications. <i>Macromolecular Bioscience</i> , 2019 , 19, e1800173	5.5	28
164	Quantification and visualization of the transport of octreotide, a somatostatin analogue, across monolayers of cerebrovascular endothelial cells. <i>Pharmaceutical Research</i> , 1994 , 11, 442-8	4.5	28
163	Diannexin protects against renal ischemia reperfusion injury and targets phosphatidylserines in ischemic tissue. <i>PLoS ONE</i> , 2011 , 6, e24276	3.7	28
162	Active lucifer yellow secretion in renal proximal tubule: evidence for organic anion transport system crossover. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1999 , 289, 1104-11	4.7	28
161	P-glycoprotein-deficient mice have proximal tubule dysfunction but are protected against ischemic renal injury. <i>Kidney International</i> , 2007 , 72, 1233-41	9.9	27
160	Regulation of MRP2-mediated transport in shark rectal salt gland tubules. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002 , 282, R774-81	3.2	27
159	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	4	26
158	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	4	26

157	Bioengineering Organs for Blood Detoxification. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800430	10.1	26
156	In vitro systems to study nephrotoxicity: 2D versus 3D models. <i>European Journal of Pharmacology</i> , 2016 , 790, 36-45	5.3	24
155	Combining Extracellular miRNA Determination with Microfluidic 3D Cell Cultures for the Assessment of Nephrotoxicity: a Proof of Concept Study. <i>AAPS Journal</i> , 2018 , 20, 86	3.7	24
154	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	11	24
153	The potential of alkaline phosphatase as a treatment for sepsis-associated acute kidney injury. <i>Nephron Clinical Practice</i> , 2014 , 127, 144-8		24
152	Mass spectrometry analysis of hepcidin peptides in experimental mouse models. <i>PLoS ONE</i> , 2011 , 6, e16762		24
151	Regulation of P-glycoprotein in renal proximal tubule epithelial cells by LPS and TNF-alpha. <i>Journal of Biomedicine and Biotechnology</i> , 2010 , 2010, 525180		24
150	Transport of a fluorescent cAMP analog in teleost proximal tubules. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R2382-9	3.2	24
149	Genetic Variations and Cisplatin Nephrotoxicity: A Systematic Review. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1111	5.6	24
148	The importance of breast cancer resistance protein to the kidneys excretory function and chemotherapeutic resistance. <i>Drug Resistance Updates</i> , 2017 , 30, 15-27	23.2	23
147	Evaluating Human Intestinal Cell Lines for Studying Dietary Protein Absorption. <i>Nutrients</i> , 2018 , 10,	6.7	23
146	Tubular reabsorption and local production of urine hepcidin-25. <i>BMC Nephrology</i> , 2013 , 14, 70	2.7	23
145	Effects of a human recombinant alkaline phosphatase on renal hemodynamics, oxygenation and inflammation in two models of acute kidney injury. <i>Toxicology and Applied Pharmacology</i> , 2016 , 313, 88-96	4.6	22
144	The functional implications of common genetic variation in CYP3A5 and ABCB1 in human proximal tubule cells. <i>Molecular Pharmaceutics</i> , 2015 , 12, 758-68	5.6	22
143	Insights into the role of bone marrow-derived stem cells in renal repair. <i>Kidney and Blood Pressure Research</i> , 2008 , 31, 104-10	3.1	22
142	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, 912-20	4.7	22
141	Protein-Bound Uremic Toxins in Hemodialysis Patients Relate to Residual Kidney Function, Are Not Influenced by Convective Transport, and Do Not Relate to Outcome. <i>Toxins</i> , 2020 , 12,	4.9	21
140	Basolateral transport of the uraemic toxin p-cresyl sulfate: role for organic anion transporters?. <i>Nephrology Dialysis Transplantation</i> , 2011 , 26, 4149	4.3	21

139	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	5.1	21
138	Bioengineered bile ducts recapitulate key cholangiocyte functions. <i>Biofabrication</i> , 2018 , 10, 034103	10.5	21
137	Cetuximab Prevents Methotrexate-Induced Cytotoxicity in Vitro through Epidermal Growth Factor Dependent Regulation of Renal Drug Transporters. <i>Molecular Pharmaceutics</i> , 2017 , 14, 2147-2157	5.6	20
136	Increased volume of distribution for recombinant activated factor VII and longer plasma-derived factor VII half-life may explain their long lasting prophylactic effect. <i>Thrombosis Research</i> , 2013 , 132, 256-62	8.2	20
135	Humoral signalling compounds in remote ischaemic preconditioning of the kidney, a role for the opioid receptor. <i>Nephrology Dialysis Transplantation</i> , 2013 , 28, 1721-32	4.3	20
134	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, F33-8	4.3	20
133	Cyclosporin increases cellular idarubicin and idarubicinol concentrations in relapsed or refractory AML mainly due to reduced systemic clearance. <i>Leukemia</i> , 2001 , 15, 80-8	10.7	20
132	Complex coacervation-based loading and tunable release of a cationic protein from monodisperse glycosaminoglycan microgels. <i>Soft Matter</i> , 2018 , 14, 6327-6341	3.6	19
131	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, 1194-202	4.7	19
130	Phase I/II Trial of a Combination of Anti-CD3/CD7 Immunotoxins for Steroid-Refractory Acute Graft-versus-Host Disease. <i>Biology of Blood and Marrow Transplantation</i> , 2019 , 25, 712-719	4.7	19
129	Quantitative Translation of Microfluidic Transporter Data to Reveals Impaired Albumin-Facilitated Indoxyl Sulfate Secretion in Chronic Kidney Disease. <i>Molecular Pharmaceutics</i> , 2019 , 16, 4551-4562	5.6	18
128	Biomarkers for methotrexate-induced liver injury: urinary protein profiling of psoriasis patients. <i>Toxicology Letters</i> , 2013 , 221, 219-24	4.4	18
127	Role of Vitamin D in Maintaining Renal Epithelial Barrier Function in Uremic Conditions. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	18
126	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	8.6	18
125	Indoxyl Sulfate Upregulates Liver P-Glycoprotein Expression and Activity through Aryl Hydrocarbon Receptor Signaling. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 906-918	12.7	17
124	Towards a bioengineered kidney: recellularization strategies for decellularized native kidney scaffolds. <i>International Journal of Artificial Organs</i> , 2017 , 40, 150-158	1.9	16
123	Application of urine proteomics for biomarker discovery in drug-induced liver injury. <i>Critical Reviews in Toxicology</i> , 2014 , 44, 823-41	5.7	16
122	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, 362-71	4.7	16

121	Indoxyl Sulfate Upregulates Liver P-Glycoprotein Expression and Activity through Aryl Hydrocarbon Receptor Signaling 2018 , 29, 906-918		16
120	Recellularized Native Kidney Scaffolds as a Novel Tool in Nephrotoxicity Screening. <i>Drug Metabolism and Disposition</i> , 2018 , 46, 1338-1350	4	15
119	How systemic inflammation modulates adenosine metabolism and adenosine receptor expression in humans in vivo. <i>Critical Care Medicine</i> , 2012 , 40, 2609-16	1.4	15
118	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	3.9	15
117	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	12.7	15
116	Low-titre inhibitors, undetectable by the Nijmegen assay, reduce factor VIII half-life after immune tolerance induction. <i>Journal of Thrombosis and Haemostasis</i> , 2012 , 10, 706-8	15.4	14
115	Biodistribution and translational pharmacokinetic modeling of a human recombinant alkaline phosphatase. <i>International Journal of Pharmaceutics</i> , 2015 , 495, 122-131	6.5	14
114	In silico platform for xenobiotics ADME-T pharmacological properties modeling and prediction. Part I: Beyond the reduction of animal model use. <i>Drug Discovery Today</i> , 2009 , 14, 401-5	8.8	14
113	Short-term beneficial effects of methylene blue on kidney damage in septic shock patients. <i>Intensive Care Medicine</i> , 2008 , 34, 350-4	14.5	14
112	New approach methodologies (NAMs) for human-relevant biokinetics predictions. Meeting the paradigm shift in toxicology towards an animal-free chemical risk assessment. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2020 , 37, 607-622	4.3	14
111	Heme Oxygenase-1 and breast cancer resistance protein protect against heme-induced toxicity. <i>Current Pharmaceutical Design</i> , 2013 , 19, 2698-707	3.3	14
110	Megalyn: A Novel Endocytic Receptor for Prorenin and Renin. <i>Hypertension</i> , 2020 , 75, 1242-1250	8.5	14
109	Therapy with 2RO-Me Phosphorothioate Antisense Oligonucleotides Causes Reversible Proteinuria by Inhibiting Renal Protein Reabsorption. <i>Molecular Therapy - Nucleic Acids</i> , 2019 , 18, 298-307	10.7	13
108	Human Alpha-1-Antitrypsin (hAAT) therapy reduces renal dysfunction and acute tubular necrosis in a murine model of bilateral kidney ischemia-reperfusion injury. <i>PLoS ONE</i> , 2017 , 12, e0168981	3.7	13
107	In vitro nephrotoxicity and anticancer potency of newly synthesized cadmium complexes. <i>Scientific Reports</i> , 2019 , 9, 14686	4.9	13
106	Uremic Solutes in Chronic Kidney Disease and Their Role in Progression. <i>PLoS ONE</i> , 2016 , 11, e0168117	3.7	13
105	Metabolite anion carriers mediate the uptake of the anionic drug fluorescein in renal cortical mitochondria. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2000 , 292, 968-73	4.7	13
104	Cardiac Hcpidin Expression Associates with Injury Independent of Iron. <i>American Journal of Nephrology</i> , 2016 , 44, 368-378	4.6	12

103	Fluorescently Labeled Cyclodextrin Derivatives as Exogenous Markers for Real-Time Transcutaneous Measurement of Renal Function. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2513-2526	6.3	12
102	Pharmacokinetic Modeling and Dose Selection in a Randomized, Double-Blind, Placebo-Controlled Trial of a Human Recombinant Alkaline Phosphatase in Healthy Volunteers. <i>Clinical Pharmacokinetics</i> , 2016 , 55, 1227-1237	6.2	12
101	Allostimulatory capacity of conditionally immortalized proximal tubule cell lines for bioartificial kidney application. <i>Scientific Reports</i> , 2017 , 7, 7103	4.9	12
100	Hydrogel-Based Cell Therapies for Kidney Regeneration: Current Trends in Biofabrication and In Vivo Repair. <i>Current Pharmaceutical Design</i> , 2017 , 23, 3845-3857	3.3	12
99	Acute acetaminophen intoxication leads to hepatic iron loading by decreased hepcidin synthesis. <i>Toxicological Sciences</i> , 2012 , 129, 225-33	4.4	12
98	Endothelin and calciotropic hormones share regulatory pathways in multidrug resistance protein 2-mediated transport. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 292, F38-46	4.3	12
97	Glibenclamide depletes ATP in renal proximal tubular cells by interfering with mitochondrial metabolism. <i>British Journal of Pharmacology</i> , 2005 , 145, 1069-75	8.6	12
96	Excretory transport of xenobiotics by dogfish shark rectal gland tubules. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998 , 275, R697-705	3.2	12
95	Glomerular filtration and saturable absorption of iohexol in the rat isolated perfused kidney. <i>British Journal of Pharmacology</i> , 1996 , 119, 57-64	8.6	12
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93	Development and validation of bioengineered intestinal tubules for translational research aimed at safety and efficacy testing of drugs and nutrients. <i>Toxicology in Vitro</i> , 2019 , 60, 1-11	3.6	11
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