Roos Masereeuw

List of Publications by Year in Descending Order

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	Biomimetic models of the glomerulus.. *Nature Reviews Nephrology*, **2022**,	14.9	4
245	A Human Conditionally Immortalized Proximal Tubule Epithelial Cell Line as a Novel Model for Studying Senescence and Response to Senolytics.. *Frontiers in Pharmacology*, **2022**, 13, 791612	5.6	4
244	Organs-on-chip technology: a tool to tackle genetic kidney diseases.. *Pediatric Nephrology*, **2022**, 1	3.2	0
243	Viscoelastic Chondroitin Sulfate and Hyaluronic Acid Double-Network Hydrogels with Reversible Cross-Links.. *Biomacromolecules*, **2022**, 23, 1350-1365	6.9	0
242	Intestinal explant barrier chip: long-term intestinal absorption screening in a novel microphysiological system using tissue explants. *Lab on A Chip*, **2021**,	7.2	4
241	Association between Genetic Variants and Cisplatin-Induced Nephrotoxicity: A Genome-Wide Approach and Validation Study. *Journal of Personalized Medicine*, **2021**, 11,	3.6	1
240	Nephroscreen: A robust and versatile renal tubule-on-a-chip platform for nephrotoxicity assessment. *Current Opinion in Toxicology*, **2021**, 25, 42-48	4.4	1
239	Data Sharing Under the General Data Protection Regulation: Time to Harmonize Law and Research Ethics?. *Hypertension*, **2021**, 77, 1029-1035	8.5	10
238	Implementation of a Human Renal Proximal Tubule on a Chip for Nephrotoxicity and Drug Interaction Studies. *Journal of Pharmaceutical Sciences*, **2021**, 110, 1601-1614	3.9	15
237	Extracellular Vesicles as a Therapeutic Tool for Kidney Disease: Current Advances and Perspectives. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	5
236	Cysteamine-bicalutamide combination therapy corrects proximal tubule phenotype in cystinosis. *EMBO Molecular Medicine*, **2021**, 13, e13067	12	7
235	Safer chemicals using less animals: kick-off of the European ONTOX project. *Toxicology*, **2021**, 458, 152846	4.4	10
234	A systematic review of in vitro models of drug-induced kidney injury. *Current Opinion in Toxicology*, **2021**, 27, 18-18	4.4	3
233	Extrahepatic metabolism of ibrutinib. *Investigational New Drugs*, **2021**, 39, 1-14	4.3	4
232	Tissue-Engineered Bile Ducts for Disease Modeling and Therapy. *Tissue Engineering - Part C: Methods*, **2021**, 27, 59-76	2.9	2
231	Molecular Mechanisms and Treatment Options of Nephropathic Cystinosis. *Trends in Molecular Medicine*, **2021**, 27, 673-686	11.5	2
230	Microphysiological Systems to Recapitulate the Gut-Kidney Axis. *Trends in Biotechnology*, **2021**, 39, 811-823	15.1	7

229	Vancomyxins: Vancomycin-Polymyxin Nonapeptide Conjugates That Retain Anti-Gram-Positive Activity with Enhanced Potency against Gram-Negative Strains. *ACS Infectious Diseases*, **2021**, 7, 2746-2754	5.5	6
228	The potential of multi-organ-on-chip models for assessment of drug disposition as alternative to animal testing. *Current Opinion in Toxicology*, **2021**, 27, 8-17	4.4	8
227	Renal Biology Driven Macro- and Microscale Design Strategies for Creating an Artificial Proximal Tubule Using Fiber-Based Technologies. *ACS Biomaterials Science and Engineering*, **2021**, 7, 4679-4693	5.5	0
226	Protein-Bound Uremic Toxins Induce Reactive Oxygen Species-Dependent and Inflammasome-Mediated IL-1 Production in Kidney Proximal Tubule Cells. *Biomedicines*, **2021**, 9,	4.8	2
225	Regulation of Solute Carriers OCT2 and OAT1/3 in the Kidney: A Phylogenetic, Ontogenetic and Cell Dynamic Perspective. *Physiological Reviews*, **2021**,	47.9	2
224	Diabetic proximal tubulopathy: Can we mimic the disease for in vitro screening of SGLT inhibitors?. *European Journal of Pharmacology*, **2021**, 908, 174378	5.3	0
223	Modeling indoxyl sulfate transport in a bioartificial kidney: Two-step binding kinetics or lumped parameters model for uremic toxin clearance?. *Computers in Biology and Medicine*, **2021**, 138, 104912	7	
222	Innovations in approaches to remove uraemic toxins. *Nature Reviews Nephrology*, **2020**, 16, 552-553	14.9	4
221	Drugs Commonly Applied to Kidney Patients May Compromise Renal Tubular Uremic Toxins Excretion. *Toxins*, **2020**, 12,	4.9	8
220	Cell-Based Phenotypic Drug Screening Identifies Luteolin as Candidate Therapeutic for Nephropathic Cystinosis. *Journal of the American Society of Nephrology: JASN*, **2020**, 31, 1522-1537	12.7	5
219	Complexation-induced resolution enhancement of 3D-printed hydrogel constructs. *Nature Communications*, **2020**, 11, 1267	17.4	83
218	Humans are animals, but are animals human enough? A systematic review and meta-analysis on interspecies differences in renal drug clearance. *Drug Discovery Today*, **2020**, 25, 706-717	8.8	10
217	Protein-Bound Uremic Toxins in Hemodialysis Patients Relate to Residual Kidney Function, Are Not Influenced by Convective Transport, and Do Not Relate to Outcome. *Toxins*, **2020**, 12,	4.9	21
216	Spinach and Chive for Kidney Tubule Engineering: the Limitations of Decellularized Plant Scaffolds and Vasculature. *AAPS Journal*, **2020**, 23, 11	3.7	4
215	New approach methodologies (NAMs) for human-relevant biokinetics predictions. Meeting the paradigm shift in toxicology towards an animal-free chemical risk assessment. *ALTEX: Alternatives To Animal Experimentation*, **2020**, 37, 607-622	4.3	14
214	A combined microphysiological-computational omics approach in dietary protein evaluation. *Npj Science of Food*, **2020**, 4, 22	6.3	1
213	Comparison of Myelotoxicity and Nephrotoxicity Between Daily Low-Dose Cisplatin With Concurrent Radiation and Cyclic High-Dose Cisplatin in Non-Small Cell Lung Cancer Patients. *Frontiers in Pharmacology*, **2020**, 11, 975	5.6	1
212	Predictive and translational models for renal drug safety evaluation **2020**, 507-534		

211	A Theoretical and Experimental Study to Optimize Cell Differentiation in a Novel Intestinal Chip. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 763	5.8	11
210	David S. Miller: Scientist, Mentor, Friend-a tribute and thank you. *Fluids and Barriers of the CNS*, **2020**, 17, 56	7	
209	The Impact of Genetic Polymorphisms in Organic Cation Transporters on Renal Drug Disposition. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	7
208	Novel Dietary Proteins Selectively Affect Intestinal Health In Vitro after -Secreted Toxin A Exposure. *Nutrients*, **2020**, 12,	6.7	1
207	Flow stimulates drug transport in a human kidney proximal tubule-on-a-chip independent of primary cilia. *Biochimica Et Biophysica Acta - General Subjects*, **2020**, 1864, 129433	4	26
206	A simple method for the isolation and detailed characterization of primary human proximal tubule cells for renal replacement therapy. *International Journal of Artificial Organs*, **2020**, 43, 45-57	1.9	3
205	A Randomized Trial of Distal Diuretics versus Dietary Sodium Restriction for Hypertension in Chronic Kidney Disease. *Journal of the American Society of Nephrology: JASN*, **2020**, 31, 650-662	12.7	15
204	Megalin: A Novel Endocytic Receptor for Prorenin and Renin. *Hypertension*, **2020**, 75, 1242-1250	8.5	14
203	Topographic Guidance in Melt-Electrowritten Tubular Scaffolds Enhances Engineered Kidney Tubule Performance. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 617364	5.8	7
202	Quantitative Translation of Microfluidic Transporter Data to Reveals Impaired Albumin-Facilitated Indoxyl Sulfate Secretion in Chronic Kidney Disease. *Molecular Pharmaceutics*, **2019**, 16, 4551-4562	5.6	18
201	Therapy with 2RO-Me Phosphorothioate Antisense Oligonucleotides Causes Reversible Proteinuria by Inhibiting Renal Protein Reabsorption. *Molecular Therapy - Nucleic Acids*, **2019**, 18, 298-307	10.7	13
200	Are cell-based therapies for kidney disease safe? A systematic review of preclinical evidence. *Pharmacology & Therapeutics*, **2019**, 197, 191-211	13.9	6
199	Development and validation of bioengineered intestinal tubules for translational research aimed at safety and efficacy testing of drugs and nutrients. *Toxicology in Vitro*, **2019**, 60, 1-11	3.6	11
198	Outcome Definition Influences the Relationship Between Genetic Polymorphisms of , , and Cisplatin Nephrotoxicity in Adult Testicular Cancer Patients. *Genes*, **2019**, 10,	4.2	10
197	Tubuloids derived from human adult kidney and urine for personalized disease modeling. *Nature Biotechnology*, **2019**, 37, 303-313	44.5	165
196	Organic anion transporters 1 and 3 influence cellular energy metabolism in renal proximal tubule cells. *Biological Chemistry*, **2019**, 400, 1347-1358	4.5	8
195	Carbon Nanotube Reinforced Supramolecular Hydrogels for Bioapplications. *Macromolecular Bioscience*, **2019**, 19, e1800173	5.5	28
194	Selective Transport of Protein-Bound Uremic Toxins in Erythrocytes. *Toxins*, **2019**, 11,	4.9	5

193	Remote sensing and signaling in kidney proximal tubules stimulates gut microbiome-derived organic anion secretion. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 16105-16110	11.5	47
192	A proteome comparison between human fetal and mature renal extracellular matrix identifies EMILIN1 as a regulator of renal epithelial cell adhesion. *Matrix Biology Plus*, **2019**, 4, 100011	5.1	7
191	In vitro nephrotoxicity and anticancer potency of newly synthesized cadmium complexes. *Scientific Reports*, **2019**, 9, 14686	4.9	13
190	FP112INTERACTION BETWEEN DRUGS AND ENDOGENOUS METABOLITES FOR RENAL ORGANIC ANION TRANSPORT. *Nephrology Dialysis Transplantation*, **2019**, 34,	4.3	1
189	Kidney-based in vitro models for drug-induced toxicity testing. *Archives of Toxicology*, **2019**, 93, 3397-3418	5.8	40
188	Safety evaluation of conditionally immortalized cells for renal replacement therapy. *Oncotarget*, **2019**, 10, 5332-5348	3.3	3
187	Fabrication of Kidney Proximal Tubule Grafts Using Biofunctionalized Electrospun Polymer Scaffolds. *Macromolecular Bioscience*, **2019**, 19, e1800412	5.5	12
186	Renal Epithelial Monolayer Formation on Monomeric and Polymeric Catechol Functionalized Supramolecular Biomaterials. *Macromolecular Bioscience*, **2019**, 19, e1800300	5.5	5
185	Phase I/II Trial of a Combination of Anti-CD3/CD7 Immunotoxins for Steroid-Refractory Acute Graft-versus-Host Disease. *Biology of Blood and Marrow Transplantation*, **2019**, 25, 712-719	4.7	19
184	Advances in predictive in vitro models of drug-induced nephrotoxicity. *Nature Reviews Nephrology*, **2018**, 14, 378-393	14.9	74
183	From portable dialysis to a bioengineered kidney. *Expert Review of Medical Devices*, **2018**, 15, 323-336	3.5	29
182	Quantification of cystine in human renal proximal tubule cells using liquid chromatography-tandem mass spectrometry. *Biomedical Chromatography*, **2018**, 32, e4238	1.7	7
181	Expression of Organic Anion Transporter 1 or 3 in Human Kidney Proximal Tubule Cells Reduces Cisplatin Sensitivity. *Drug Metabolism and Disposition*, **2018**, 46, 592-599	4	26
180	New insights into the effects of biomaterial chemistry and topography on the morphology of kidney epithelial cells. *Journal of Tissue Engineering and Regenerative Medicine*, **2018**, 12, e817-e827	4.4	10
179	Inhibition of Nrf2 alters cell stress induced by chronic iron exposure in human proximal tubular epithelial cells. *Toxicology Letters*, **2018**, 295, 179-186	4.4	8
178	Membranes for Bioartificial Kidney Devices **2018**, 105-147		
177	Screening of Drug-Transporter Interactions in a 3D Microfluidic Renal Proximal Tubule on a Chip. *AAPS Journal*, **2018**, 20, 87	3.7	45
176	Combining Extracellular miRNA Determination with Microfluidic 3D Cell Cultures for the Assessment of Nephrotoxicity: a Proof of Concept Study. *AAPS Journal*, **2018**, 20, 86	3.7	24

175	Recellularized Native Kidney Scaffolds as a Novel Tool in Nephrotoxicity Screening. *Drug Metabolism and Disposition*, **2018**, 46, 1338-1350	4	15
174	Complex coacervation-based loading and tunable release of a cationic protein from monodisperse glycosaminoglycan microgels. *Soft Matter*, **2018**, 14, 6327-6341	3.6	19
173	Nephrotoxicity and Kidney Transport Assessment on 3D Perfused Proximal Tubules. *AAPS Journal*, **2018**, 20, 90	3.7	51
172	Evaluating Human Intestinal Cell Lines for Studying Dietary Protein Absorption. *Nutrients*, **2018**, 10,	6.7	23
171	Renal Tubular- and Vascular Basement Membranes and their Mimicry in Engineering Vascularized Kidney Tubules. *Advanced Healthcare Materials*, **2018**, 7, e1800529	10.1	9
170	Indoxyl Sulfate Upregulates Liver P-Glycoprotein Expression and Activity through Aryl Hydrocarbon Receptor Signaling **2018**, 29, 906-918		16
169	Indoxyl Sulfate Upregulates Liver P-Glycoprotein Expression and Activity through Aryl Hydrocarbon Receptor Signaling. *Journal of the American Society of Nephrology: JASN*, **2018**, 29, 906-918	12.7	17
168	Genetic Variations and Cisplatin Nephrotoxicity: A Systematic Review. *Frontiers in Pharmacology*, **2018**, 9, 1111	5.6	24
167	Bioengineering Organs for Blood Detoxification. *Advanced Healthcare Materials*, **2018**, 7, e1800430	10.1	26
166	Bioengineered bile ducts recapitulate key cholangiocyte functions. *Biofabrication*, **2018**, 10, 034103	10.5	21
165	A bioartificial kidney device with polarized secretion of immune modulators. *Journal of Tissue Engineering and Regenerative Medicine*, **2018**, 12, 1670-1678	4.4	8
164	The importance of breast cancer resistance protein to the kidneys excretory function and chemotherapeutic resistance. *Drug Resistance Updates*, **2017**, 30, 15-27	23.2	23
163	Cetuximab Prevents Methotrexate-Induced Cytotoxicity in Vitro through Epidermal Growth Factor Dependent Regulation of Renal Drug Transporters. *Molecular Pharmaceutics*, **2017**, 14, 2147-2157	5.6	20
162	Effects of a human recombinant alkaline phosphatase during impaired mitochondrial function in human renal proximal tubule epithelial cells. *European Journal of Pharmacology*, **2017**, 796, 149-157	5.3	5
161	Human Alpha-1-Antitrypsin (hAAT) therapy reduces renal dysfunction and acute tubular necrosis in a murine model of bilateral kidney ischemia-reperfusion injury. *PLoS ONE*, **2017**, 12, e0168981	3.7	13
160	Mild intracellular acidification by dexamethasone attenuates mitochondrial dysfunction in a human inflammatory proximal tubule epithelial cell model. *Scientific Reports*, **2017**, 7, 10623	4.9	2
159	Allostimulatory capacity of conditionally immortalized proximal tubule cell lines for bioartificial kidney application. *Scientific Reports*, **2017**, 7, 7103	4.9	12
158	Disposition and clinical implications of protein-bound uremic toxins. *Clinical Science*, **2017**, 131, 1631-1647	6.5	30

157	Creating a bioartificial kidney. *International Journal of Artificial Organs*, **2017**, 40, 323-327	1.9	7
156	Towards a bioengineered kidney: recellularization strategies for decellularized native kidney scaffolds. *International Journal of Artificial Organs*, **2017**, 40, 150-158	1.9	16
155	Kidney-on-a-Chip **2017**, 1119-1133		1
154	Hydrogel-Based Cell Therapies for Kidney Regeneration: Current Trends in Biofabrication and In Vivo Repair. *Current Pharmaceutical Design*, **2017**, 23, 3845-3857	3.3	12
153	Role of Vitamin D in Maintaining Renal Epithelial Barrier Function in Uremic Conditions. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	18
152	A Human Proximal Tubular Epithelial Cell Model to Explore a Knowledge Gap on Neonatal Drug Disposition. *Current Pharmaceutical Design*, **2017**, 23, 5911-5918	3.3	2
151	Cardiac Hepcidin Expression Associates with Injury Independent of Iron. *American Journal of Nephrology*, **2016**, 44, 368-378	4.6	12
150	Fluorescently Labeled Cyclodextrin Derivatives as Exogenous Markers for Real-Time Transcutaneous Measurement of Renal Function. *Bioconjugate Chemistry*, **2016**, 27, 2513-2526	6.3	12
149	Upscaling of a living membrane for bioartificial kidney device. *European Journal of Pharmacology*, **2016**, 790, 28-35	5.3	35
148	In vitro systems to study nephropharmacology: 2D versus 3D models. *European Journal of Pharmacology*, **2016**, 790, 36-45	5.3	24
147	Bioengineered kidney tubules efficiently excrete uremic toxins. *Scientific Reports*, **2016**, 6, 26715	4.9	84
146	Effects of a human recombinant alkaline phosphatase on renal hemodynamics, oxygenation and inflammation in two models of acute kidney injury. *Toxicology and Applied Pharmacology*, **2016**, 313, 88-96	4.6	22
145	Pharmacokinetic Modeling and Dose Selection in a Randomized, Double-Blind, Placebo-Controlled Trial of a Human Recombinant Alkaline Phosphatase in Healthy Volunteers. *Clinical Pharmacokinetics*, **2016**, 55, 1227-1237	6.2	12
144	Fluorescence-Based Transport Assays Revisited in a Human Renal Proximal Tubule Cell Line. *Molecular Pharmaceutics*, **2016**, 13, 933-44	5.6	34
143	Heterogeneous transport of digitalis-like compounds by P-glycoprotein in vesicular and cellular assays. *Toxicology in Vitro*, **2016**, 32, 138-45	3.6	5
142	A Human Renal Proximal Tubule Cell Line with Stable Organic Anion Transporter 1 and 3 Expression Predictive for Antiviral-Induced Toxicity. *AAPS Journal*, **2016**, 18, 465-75	3.7	75
141	Kidney-on-a-Chip Technology for Drug-Induced Nephrotoxicity Screening. *Trends in Biotechnology*, **2016**, 34, 156-170	15.1	217
140	Uremic Solutes in Chronic Kidney Disease and Their Role in Progression. *PLoS ONE*, **2016**, 11, e0168117	3.7	13

139	Renal Handling of Circulating and Renal-Synthesized Hepcidin and Its Protective Effects against Hemoglobin-Mediated Kidney Injury. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 2720-32	12.7	40
138	The Authors Reply. *Kidney International*, **2015**, 88, 637	9.9	
137	Human proximal tubule epithelial cells cultured on hollow fibers: living membranes that actively transport organic cations. *Scientific Reports*, **2015**, 5, 16702	4.9	73
136	Pharmacokinetics, safety and tolerability of human recombinant alkaline phosphatase in healthy volunteers. *Critical Care*, **2015**, 19, P126	10.8	1
135	Alkaline phosphatase protects against renal inflammation through dephosphorylation of lipopolysaccharide and adenosine triphosphate. *British Journal of Pharmacology*, **2015**, 172, 4932-45	8.6	47
134	Uremic Toxins Induce ET-1 Release by Human Proximal Tubule Cells, which Regulates Organic Cation Uptake Time-Dependently. *Cells*, **2015**, 4, 234-52	7.9	5
133	Proximal tubular efflux transporters involved in renal excretion of p-cresyl sulfate and p-cresyl glucuronide: Implications for chronic kidney disease pathophysiology. *Toxicology in Vitro*, **2015**, 29, 1868-77	3.6	41
132	Biodistribution and translational pharmacokinetic modeling of a human recombinant alkaline phosphatase. *International Journal of Pharmaceutics*, **2015**, 495, 122-131	6.5	14
131	The functional implications of common genetic variation in CYP3A5 and ABCB1 in human proximal tubule cells. *Molecular Pharmaceutics*, **2015**, 12, 758-68	5.6	22
130	Development of a living membrane comprising a functional human renal proximal tubule cell monolayer on polyethersulfone polymeric membrane. *Acta Biomaterialia*, **2015**, 14, 22-32	10.8	37
129	The Influence of Dietary Protein Intake on Mammalian Tryptophan and Phenolic Metabolites. *PLoS ONE*, **2015**, 10, e0140820	3.7	62
128	Alkaline phosphatase: a possible treatment for sepsis-associated acute kidney injury in critically ill patients. *American Journal of Kidney Diseases*, **2014**, 63, 1038-48	7.4	59
127	Proteomic profiling in incubation medium of mouse, rat and human precision-cut liver slices for biomarker detection regarding acute drug-induced liver injury. *Journal of Applied Toxicology*, **2014**, 34, 993-1001	4.1	9
126	Altered tryptophan metabolism and CKD-associated fatigue. *Kidney International*, **2014**, 86, 1061-2	9.9	10
125	Biotechnological challenges of bioartificial kidney engineering. *Biotechnology Advances*, **2014**, 32, 1317-1327	12.1	39
124	A morphological and functional comparison of proximal tubule cell lines established from human urine and kidney tissue. *Experimental Cell Research*, **2014**, 323, 87-99	4.2	67
123	The kidney and uremic toxin removal: glomerulus or tubule?. *Seminars in Nephrology*, **2014**, 34, 191-208	4.8	100
122	Renal glucuronidation and multidrug resistance protein 2-/ multidrug resistance protein 4-mediated efflux of mycophenolic acid: interaction with cyclosporine and tacrolimus. *Translational Research*, **2014**, 164, 46-56	11	24

121	CKD LAB METHODS, PROGRESSION & RISK FACTORS 2. *Nephrology Dialysis Transplantation*, **2014**, 29, iii369-iii379	4.3	
120	Switch in FGFR3 and -4 expression profile during human renal development may account for transient hypercalcemia in patients with Sotos syndrome due to 5q35 microdeletions. *Journal of Clinical Endocrinology and Metabolism*, **2014**, 99, E1361-7	5.6	4
119	Application of urine proteomics for biomarker discovery in drug-induced liver injury. *Critical Reviews in Toxicology*, **2014**, 44, 823-41	5.7	16
118	Convallatoxin: a new P-glycoprotein substrate. *European Journal of Pharmacology*, **2014**, 744, 18-27	5.3	9
117	The potential of alkaline phosphatase as a treatment for sepsis-associated acute kidney injury. *Nephron Clinical Practice*, **2014**, 127, 144-8		24
116	Epithelial-to-mesenchymal transition in fibrosis: collagen type I expression is highly upregulated after EMT, but does not contribute to collagen deposition. *Experimental Cell Research*, **2013**, 319, 3000-9	4.2	45
115	Tubular reabsorption and local production of urine hepcidin-25. *BMC Nephrology*, **2013**, 14, 70	2.7	23
114	Cationic uremic toxins affect human renal proximal tubule cell functioning through interaction with the organic cation transporter. *Pflugers Archiv European Journal of Physiology*, **2013**, 465, 1701-14	4.6	41
113	Biomarkers for methotrexate-induced liver injury: urinary protein profiling of psoriasis patients. *Toxicology Letters*, **2013**, 221, 219-24	4.4	18
112	Interaction of immunosuppressive drugs with human organic anion transporter (OAT) 1 and OAT3, and multidrug resistance-associated protein (MRP) 2 and MRP4. *Translational Research*, **2013**, 162, 398-409	11	48
111	Pharmacodynamics of recombinant activated factor VII and plasma-derived factor VII in a cohort of severe FVII deficient patients. *Thrombosis Research*, **2013**, 132, 116-22	8.2	7
110	Urinary proteomic profiling reveals diclofenac-induced renal injury and hepatic regeneration in mice. *Toxicology and Applied Pharmacology*, **2013**, 269, 141-9	4.6	8
109	Cysteamine: an old drug with new potential. *Drug Discovery Today*, **2013**, 18, 785-92	8.8	114
108	Iron metabolism in the pathogenesis of iron-induced kidney injury. *Nature Reviews Nephrology*, **2013**, 9, 385-98	14.9	96
107	Hyperuricemia influences tryptophan metabolism via inhibition of multidrug resistance protein 4 (MRP4) and breast cancer resistance protein (BCRP). *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2013**, 1832, 1715-22	6.9	39
106	Uremic toxins inhibit renal metabolic capacity through interference with glucuronidation and mitochondrial respiration. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2013**, 1832, 142-50	6.9	92
105	Mesenchymal stem cell-conditioned medium accelerates regeneration of human renal proximal tubule epithelial cells after gentamicin toxicity. *Experimental and Toxicologic Pathology*, **2013**, 65, 595-600		43
104	Increased volume of distribution for recombinant activated factor VII and longer plasma-derived factor VII half-life may explain their long lasting prophylactic effect. *Thrombosis Research*, **2013**, 132, 256-62	8.2	20

103	Endocrine disruptors differentially target ATP-binding cassette transporters in the blood-testis barrier and affect Leydig cell testosterone secretion in vitro. *Toxicological Sciences*, **2013**, 136, 382-91	4.4	67
102	Alkaline phosphatase as a treatment of sepsis-associated acute kidney injury. *Journal of Pharmacology and Experimental Therapeutics*, **2013**, 344, 2-7	4.7	29
101	Humoral signalling compounds in remote ischaemic preconditioning of the kidney, a role for the opioid receptor. *Nephrology Dialysis Transplantation*, **2013**, 28, 1721-32	4.3	20
100	Optimized metabolomic approach to identify uremic solutes in plasma of stage 3-4 chronic kidney disease patients. *PLoS ONE*, **2013**, 8, e71199	3.7	50
99	Heme Oxygenase-1 and breast cancer resistance protein protect against heme-induced toxicity. *Current Pharmaceutical Design*, **2013**, 19, 2698-707	3.3	14
98	Analysis of Renal Transporters. *AAPS Advances in the Pharmaceutical Sciences Series*, **2013**, 235-256	0.5	
97	Differential effects of sulfonylurea derivatives on vascular ATP-sensitive potassium channels. *European Journal of Pharmacology*, **2012**, 681, 75-9	5.3	4
96	Low-titre inhibitors, undetectable by the Nijmegen assay, reduce factor VIII half-life after immune tolerance induction. *Journal of Thrombosis and Haemostasis*, **2012**, 10, 706-8	15.4	14
95	Localization of breast cancer resistance protein (Bcrp) in endocrine organs and inhibition of its transport activity by steroid hormones. *Cell and Tissue Research*, **2012**, 349, 551-63	4.2	41
94	Regulatory pathways for ATP-binding cassette transport proteins in kidney proximal tubules. *AAPS Journal*, **2012**, 14, 883-94	3.7	46
93	Ischemic preconditioning in the animal kidney, a systematic review and meta-analysis. *PLoS ONE*, **2012**, 7, e32296	3.7	132
92	Identification of novel translational urinary biomarkers for acetaminophen-induced acute liver injury using proteomic profiling in mice. *PLoS ONE*, **2012**, 7, e49524	3.7	9
91	Acute acetaminophen intoxication leads to hepatic iron loading by decreased hepcidin synthesis. *Toxicological Sciences*, **2012**, 129, 225-33	4.4	12
90	Subunit-specific incorporation efficiency and kinetics in mitochondrial complex I homeostasis. *Journal of Biological Chemistry*, **2012**, 287, 41851-60	5.4	29
89	How systemic inflammation modulates adenosine metabolism and adenosine receptor expression in humans in vivo. *Critical Care Medicine*, **2012**, 40, 2609-16	1.4	15
88	Local and remote ischemic postconditionings have synergistic protective effects on renal ischemia-reperfusion injury. *Transplantation*, **2012**, 94, e1-2	1.8	9
87	Cysteamine restores glutathione redox status in cultured cystinotic proximal tubular epithelial cells. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2011**, 1812, 643-51	6.9	68
86	Role of p-glycoprotein expression and function in cystinotic renal proximal tubular cells. *Pharmaceutics*, **2011**, 3, 782-92	6.4	6

85	Mass spectrometry analysis of hepcidin peptides in experimental mouse models. *PLoS ONE*, **2011**, 6, e16762	3.7	24
84	Preserved response to diuretics in rosiglitazone-treated subjects with insulin resistance: a randomized double-blind placebo-controlled crossover study. *Clinical Pharmacology and Therapeutics*, **2011**, 89, 587-94	6.1	8
83	Urinary protein profiling in hyperactive delirium and non-delirium cardiac surgery ICU patients. *Proteome Science*, **2011**, 9, 13	2.6	4
82	Basolateral transport of the uraemic toxin p-cresyl sulfate: role for organic anion transporters?. *Nephrology Dialysis Transplantation*, **2011**, 26, 4149	4.3	21
81	Remote ischaemic preconditioning by brief hind limb ischaemia protects against renal ischaemia-reperfusion injury: the role of adenosine. *Nephrology Dialysis Transplantation*, **2011**, 26, 3108-17	4.3	67
80	Rapid, nongenomic stimulation of multidrug resistance protein 2 (Mrp2) activity by glucocorticoids in renal proximal tubule. *Journal of Pharmacology and Experimental Therapeutics*, **2011**, 338, 362-71	4.7	16
79	Effect of drugs on renal development. *Clinical Journal of the American Society of Nephrology: CJASN*, **2011**, 6, 212-7	6.9	49
78	Uremic toxins inhibit transport by breast cancer resistance protein and multidrug resistance protein 4 at clinically relevant concentrations. *PLoS ONE*, **2011**, 6, e18438	3.7	95
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3	Topographic Guidance in Melt-Electrowritten Tubular Scaffolds Enhances Engineered Kidney Tubule Performance		1
2	Cysteamine-bicalutamide combination treatment restores alpha-ketoglutarate and corrects proximal tubule phenotype in cystinosis		2
1	A combined microphysiological-computational omics approach in dietary protein evaluation		1