Matthew D Breyer

List of Publications by Citations

173 papers	12,568 citations	60 h-index	109 g-index
227 ext. papers	13,509 ext. citations	8.7 avg, IF	5.97 L-index

#	Paper	IF	Citations
173	Prostanoid receptors: subtypes and signaling. *Annual Review of Pharmacology and Toxicology*, **2001**, 41, 661-90	17.9	847
172	Cyclooxygenase-2 is associated with the macula densa of rat kidney and increases with salt restriction. *Journal of Clinical Investigation*, **1994**, 94, 2504-10	15.9	662
171	Thiazolidinediones expand body fluid volume through PPARgamma stimulation of ENaC-mediated renal salt absorption. *Nature Medicine*, **2005**, 11, 861-6	50.5	520
170	Mouse models of diabetic nephropathy. *Journal of the American Society of Nephrology: JASN*, **2005**, 16, 27-45	12.7	435
169	Mouse models of diabetic nephropathy. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 2503-12	12.7	400
168	Mesangial cell, glomerular and renal vascular responses to endothelin in the rat kidney. Elucidation of signal transduction pathways. *Journal of Clinical Investigation*, **1989**, 83, 336-42	15.9	342
167	Salt-sensitive hypertension and reduced fertility in mice lacking the prostaglandin EP2 receptor. *Nature Medicine*, **1999**, 5, 217-20	50.5	330
166	Endothelial nitric oxide synthase deficiency produces accelerated nephropathy in diabetic mice. *Journal of the American Society of Nephrology: JASN*, **2006**, 17, 2664-9	12.7	267
165	Serial determination of glomerular filtration rate in conscious mice using FITC-inulin clearance. *American Journal of Physiology - Renal Physiology*, **2004**, 286, F590-6	4.3	255
164	Sirt1 activation protects the mouse renal medulla from oxidative injury. *Journal of Clinical Investigation*, **2010**, 120, 1056-68	15.9	230
163	Physiological regulation of cyclooxygenase-2 in the kidney. *American Journal of Physiology - Renal Physiology*, **2001**, 281, F1-11	4.3	222
162	Peroxisome proliferator-activated receptors (PPARs): novel therapeutic targets in renal disease. *Kidney International*, **2001**, 60, 14-30	9.9	220
161	Characterization of susceptibility of inbred mouse strains to diabetic nephropathy. *Diabetes*, **2005**, 54, 2628-37	0.9	214
160	Prostaglandin E receptors and the kidney. *American Journal of Physiology - Renal Physiology*, **2000**, 279, F12-23	4.3	210
159	Physiological regulation of prostaglandins in the kidney. *Annual Review of Physiology*, **2008**, 70, 357-77	23.1	206
158	G protein-coupled prostanoid receptors and the kidney. *Annual Review of Physiology*, **2001**, 63, 579-605	23.1	188
157	Opposite effects of cyclooxygenase-1 and -2 activity on the pressor response to angiotensin II. *Journal of Clinical Investigation*, **2002**, 110, 61-69	15.9	179

156	Long-term treatment of glucagon-like peptide-1 analog exendin-4 ameliorates diabetic nephropathy through improving metabolic anomalies in db/db mice. *Journal of the American Society of Nephrology: JASN*, **2007**, 18, 1227-38	12.7	160
155	Conditional knockout of macrophage PPARgamma increases atherosclerosis in C57BL/6 and low-density lipoprotein receptor-deficient mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2005**, 25, 1647-53	9.4	159
154	Utility of endogenous creatinine clearance as a measure of renal function in mice. *Kidney International*, **2004**, 65, 1959-67	9.9	147
153	Deficiency of endothelial nitric-oxide synthase confers susceptibility to diabetic nephropathy in nephropathy-resistant inbred mice. *American Journal of Pathology*, **2007**, 170, 1473-84	5.8	142
152	PKHD1 protein encoded by the gene for autosomal recessive polycystic kidney disease associates with basal bodies and primary cilia in renal epithelial cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 2311-6	11.5	141
151	The next generation of therapeutics for chronic kidney disease. *Nature Reviews Drug Discovery*, **2016**, 15, 568-88	64.1	140
150	Enhanced expression of cyclooxygenase-2 in high grade human transitional cell bladder carcinomas. *American Journal of Pathology*, **2000**, 157, 29-35	5.8	134
149	Cyclooxygenase-2-selective inhibitors impair glomerulogenesis and renal cortical development. *Kidney International*, **2000**, 57, 414-422	9.9	133
148	Reduction of renal superoxide dismutase in progressive diabetic nephropathy. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 1303-13	12.7	130
147	Expression of peroxisome proliferator-activated receptor gamma (PPARgamma) in human transitional bladder cancer and its role in inducing cell death. *Neoplasia*, **1999**, 1, 330-9	6.4	125
146	Dehydration activates an NF-kappaB-driven, COX2-dependent survival mechanism in renal medullary interstitial cells. *Journal of Clinical Investigation*, **2000**, 106, 973-82	15.9	122
145	Luminal NaCl delivery regulates basolateral PGE2 release from macula densa cells. *Journal of Clinical Investigation*, **2003**, 112, 76-82	15.9	117
144	Circulating Klotho influences phosphate handling by controlling FGF23 production. *Journal of Clinical Investigation*, **2012**, 122, 4710-5	15.9	116
143	Accelerated diabetic nephropathy in mice lacking the peroxisome proliferator-activated receptor alpha. *Diabetes*, **2006**, 55, 885-93	0.9	115
142	Salt-sensitive hypertension is associated with dysfunctional Cyp4a10 gene and kidney epithelial sodium channel. *Journal of Clinical Investigation*, **2006**, 116, 1696-702	15.9	112
141	Key enzymes for renal prostaglandin synthesis: site-specific expression in rodent kidney (rat, mouse). *American Journal of Physiology - Renal Physiology*, **2003**, 285, F19-32	4.3	111
140	Prostaglandin E2 inhibits sodium transport in rabbit cortical collecting duct by increasing intracellular calcium. *Journal of Clinical Investigation*, **1991**, 87, 1992-8	15.9	109
139	Prostaglandin E2-EP4 receptor promotes endothelial cell migration via ERK activation and angiogenesis in vivo. *Journal of Biological Chemistry*, **2007**, 282, 16959-68	5.4	105

138	Upregulation of type I collagen by TGF-beta in mesangial cells is blocked by PPARgamma activation. *American Journal of Physiology - Renal Physiology*, **2002**, 282, F639-48	4.3	103
137	Lithium treatment inhibits renal GSK-3 activity and promotes cyclooxygenase 2-dependent polyuria. *American Journal of Physiology - Renal Physiology*, **2005**, 288, F642-9	4.3	99
136	Cyclooxygenase 2 and the kidney. *Current Opinion in Nephrology and Hypertension*, **2001**, 10, 89-98	3.5	96
135	Expression of peroxisome proliferator-activated receptors in urinary tract of rabbits and humans. *American Journal of Physiology - Renal Physiology*, **1997**, 273, F1013-22	4.3	91
134	Differential expression of the intermediate filament protein nestin during renal development and its localization in adult podocytes. *Journal of the American Society of Nephrology: JASN*, **2006**, 17, 1283-91	12.7	90
133	Prostaglandin E2-mediated attenuation of mesocortical dopaminergic pathway is critical for susceptibility to repeated social defeat stress in mice. *Journal of Neuroscience*, **2012**, 32, 4319-29	6.6	89
132	Alterations in lipoxygenase and cyclooxygenase-2 catalytic activity and mRNA expression in prostate carcinoma. *Neoplasia*, **2001**, 3, 287-303	6.4	88
131	Prostaglandin receptors: their role in regulating renal function. *Current Opinion in Nephrology and Hypertension*, **2000**, 9, 23-9	3.5	81
130	Cyclooxygenase-2 expression is associated with the renal macula densa of patients with Bartter-like syndrome. *Kidney International*, **2000**, 58, 2420-4	9.9	79
129	Peroxisome proliferator-activated receptor delta activation promotes cell survival following hypertonic stress. *Journal of Biological Chemistry*, **2002**, 277, 21341-5	5.4	78
128	Macrophage EP4 deficiency increases apoptosis and suppresses early atherosclerosis. *Cell Metabolism*, **2008**, 8, 492-501	24.6	77
127	Molecular cloning, enzymatic characterization, developmental expression, and cellular localization of a mouse cytochrome P450 highly expressed in kidney. *Journal of Biological Chemistry*, **1999**, 274, 17777-88	5.4	77
126	Antihypertensive effects of selective prostaglandin E2 receptor subtype 1 targeting. *Journal of Clinical Investigation*, **2007**, 117, 2496-505	15.9	77
125	Hypertonic stress activates glycogen synthase kinase 3beta-mediated apoptosis of renal medullary interstitial cells, suppressing an NFkappaB-driven cyclooxygenase-2-dependent survival pathway. *Journal of Biological Chemistry*, **2004**, 279, 3949-55	5.4	76
124	Opposite effects of cyclooxygenase-1 and -2 activity on the pressor response to angiotensin II. *Journal of Clinical Investigation*, **2002**, 110, 61-9	15.9	74
123	Membrane-associated PGE synthase-1 (mPGES-1) is coexpressed with both COX-1 and COX-2 in the kidney. *Kidney International*, **2004**, 65, 1205-13	9.9	72
122	Characterization of murine vasopressor and vasodepressor prostaglandin E(2) receptors. *Hypertension*, **2000**, 35, 1129-34	8.5	72
121	Generation of a conditional allele of the mouse prostaglandin EP4 receptor. *Genesis*, **2004**, 40, 7-14	1.9	70

120	Differentiation of cyclooxygenase 1- and 2-derived prostanoids in mouse kidney and aorta. *Hypertension*, **2006**, 48, 323-8	8.5	69
119	Expression and molecular pharmacology of the mouse CRTH2 receptor. *Journal of Pharmacology and Experimental Therapeutics*, **2003**, 306, 463-70	4.7	69
118	Cytochrome P450 CYP2J9, a new mouse arachidonic acid omega-1 hydroxylase predominantly expressed in brain. *Journal of Biological Chemistry*, **2001**, 276, 25467-79	5.4	69
117	Regulation of renal function by prostaglandin E receptors. *Kidney International*, **1998**, 67, S88-94	9.9	67
116	Overexpression of cyclooxygenase-2 predisposes to podocyte injury. *Journal of the American Society of Nephrology: JASN*, **2007**, 18, 551-9	12.7	67
115	In situ hybridization and localization of mRNA for the rabbit prostaglandin EP3 receptor. *Kidney International*, **1993**, 44, 1372-8	9.9	67
114	Peroxisome proliferator activated receptor alpha/gamma dual agonist tesaglitazar attenuates diabetic nephropathy in db/db mice. *Diabetes*, **2007**, 56, 2036-45	0.9	64
113	Peroxisome proliferator-activated receptor-gamma activity is associated with renal microvasculature. *American Journal of Physiology - Renal Physiology*, **2001**, 281, F1036-46	4.3	60
112	Epidermal growth factor inhibits the hydroosmotic effect of vasopressin in the isolated perfused rabbit cortical collecting tubule. *Journal of Clinical Investigation*, **1988**, 82, 1313-20	15.9	60
111	Markers of early progressive renal decline in type 2 diabetes suggest different implications for etiological studies and prognostic tests development. *Kidney International*, **2018**, 93, 1198-1206	9.9	59
110	Urogenital distribution of a mouse membrane-associated prostaglandin E(2) synthase. *American Journal of Physiology - Renal Physiology*, **2001**, 281, F1173-7	4.3	56
109	Cytochrome P450 metabolites of arachidonic acid are potent inhibitors of vasopressin action on rabbit cortical collecting duct. *Journal of Clinical Investigation*, **1989**, 84, 1805-12	15.9	55
108	The Role of PPARs in the Transcriptional Control of Cellular Processes. *Drug News and Perspectives*, **2002**, 15, 147-154		55
107	A prospective study of multiple protein biomarkers to predict progression in diabetic chronic kidney disease. *Nephrology Dialysis Transplantation*, **2014**, 29, 2293-302	4.3	53
106	Luminal NaCl delivery regulates basolateral PGE2 release from macula densa cells. *Journal of Clinical Investigation*, **2003**, 112, 76-82	15.9	53
105	A maladaptive role for EP4 receptors in podocytes. *Journal of the American Society of Nephrology: JASN*, **2010**, 21, 1678-90	12.7	52
104	Apoptosis of the thick ascending limb results in acute kidney injury. *Journal of the American Society of Nephrology: JASN*, **2008**, 19, 1538-46	12.7	52
103	Update on cyclooxygenase-2 inhibitors. *Clinical Journal of the American Society of Nephrology: CJASN*, **2006**, 1, 236-45	6.9	51

102	COX2 activity promotes organic osmolyte accumulation and adaptation of renal medullary interstitial cells to hypertonic stress. *Journal of Biological Chemistry*, **2003**, 278, 19352-7	5.4	51
101	Markers of glycemic control in the mouse: comparisons of 6-h- and overnight-fasted blood glucoses to Hb A1c. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 295, E981-6	6	50
100	Diabetic nephropathy: of mice and men. *Advances in Chronic Kidney Disease*, **2005**, 12, 128-45	4.7	47
99	Liver X receptor-alpha mediates cholesterol efflux in glomerular mesangial cells. *American Journal of Physiology - Renal Physiology*, **2004**, 287, F886-95	4.3	46
98	Glomerular injury is exacerbated in diabetic integrin alpha1-null mice. *Kidney International*, **2006**, 70, 460-70	9.9	44
97	Endothelin-1 receptor antagonist: effects on endothelin- and cyclosporine-treated mesangial cells. *Kidney International*, **1992**, 41, 1713-9	9.9	44
96	Phorbol myristate acetate, dioctanoylglycerol, and phosphatidic acid inhibit the hydroosmotic effect of vasopressin on rabbit cortical collecting tubule. *Journal of Clinical Investigation*, **1987**, 80, 590-3	15.9	44
95	Inactivation of the E-prostanoid 3 receptor attenuates the angiotensin II pressor response via decreasing arterial contractility. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 3024-32	9.4	42
94	Contribution of prostaglandin EP(2) receptors to renal microvascular reactivity in mice. *American Journal of Physiology - Renal Physiology*, **2002**, 283, F415-22	4.3	41
93	Selective targeting of cyclooxygenase-2 reveals its role in renal medullary interstitial cell survival. *American Journal of Physiology - Renal Physiology*, **1999**, 277, F352-9	4.3	39
92	Single amino acid substitution in aquaporin 11 causes renal failure. *Journal of the American Society of Nephrology: JASN*, **2008**, 19, 1955-64	12.7	38
91	Urine concentrating defect in prostaglandin EP1-deficient mice. *American Journal of Physiology - Renal Physiology*, **2007**, 292, F868-75	4.3	38
90	Liver X receptor agonist TO-901317 upregulates SCD1 expression in renal proximal straight tubule. *American Journal of Physiology - Renal Physiology*, **2006**, 290, F1065-73	4.3	36
89	Cellular mechanisms of prostaglandin E2 and vasopressin interactions in the collecting duct. *Kidney International*, **1990**, 38, 618-24	9.9	36
88	Structure-function analyses of eicosanoid receptors. Physiologic and therapeutic implications. *Annals of the New York Academy of Sciences*, **2000**, 905, 221-31	6.5	35
87	Differential, inducible gene targeting in renal epithelia, vascular endothelium, and viscera of Mx1Cre mice. *American Journal of Physiology - Renal Physiology*, **2003**, 284, F411-7	4.3	35
86	Cyclooxygenase-2 selective inhibitors and the kidney. *Current Opinion in Critical Care*, **2001**, 7, 393-400	3.5	35
85	Prostaglandin-dependent modulation of dopaminergic neurotransmission elicits inflammation-induced aversion in mice. *Journal of Clinical Investigation*, **2016**, 126, 695-705	15.9	35

84	Cyclooxygenase-1 deficiency in bone marrow cells increases early atherosclerosis in apolipoprotein E- and low-density lipoprotein receptor-null mice. *Circulation*, **2006**, 113, 108-17	16.7	33
83	Better nephrology for mice--and man. *Kidney International*, **2010**, 77, 487-9	9.9	32
82	Expression of the prostaglandin F receptor (FP) gene along the mouse genitourinary tract. *American Journal of Physiology - Renal Physiology*, **2003**, 284, F1164-70	4.3	32
81	Anti sense DNA down-regulates proteins kinase C-epsilon and enhances vasopressin-stimulated Na+ absorption in rabbit cortical collecting duct. *Journal of Clinical Investigation*, **1995**, 95, 2749-56	15.9	32
80	Developing Treatments for Chronic Kidney Disease in the 21st Century. *Seminars in Nephrology*, **2016**, 36, 436-447	4.8	32
79	Regulation of rabbit medullary collecting duct cell pH by basolateral Na+/H+ and Cl-/base exchange. *Journal of Clinical Investigation*, **1989**, 84, 996-1004	15.9	30
78	Improved clinical trial enrollment criterion to identify patients with diabetes at risk of end-stage renal disease. *Kidney International*, **2017**, 92, 258-266	9.9	29
77	Roles of lipid mediators in kidney injury. *Seminars in Nephrology*, **2007**, 27, 338-51	4.8	29
76	SOD1, but not SOD3, deficiency accelerates diabetic renal injury in C57BL/6-Ins2(Akita) diabetic mice. *Metabolism: Clinical and Experimental*, **2012**, 61, 1714-24	12.7	28
75	EP1(-/-) mice have enhanced osteoblast differentiation and accelerated fracture repair. *Journal of Bone and Mineral Research*, **2011**, 26, 792-802	6.3	28
74	Cyclooxygenase-2-dependent prostacyclin formation is regulated by low density lipoprotein cholesterol in vitro. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2002**, 22, 983-8	9.4	28
73	Feedback inhibition of cyclic adenosine monophosphate-stimulated Na+ transport in the rabbit cortical collecting duct via Na(+)-dependent basolateral Ca++ entry. *Journal of Clinical Investigation*, **1991**, 88, 1502-10	15.9	28
72	Aberrant bispecific antibody pharmacokinetics linked to liver sinusoidal endothelium clearance mechanism in cynomolgus monkeys. *MAbs*, **2016**, 8, 969-82	6.6	27
71	Characterization of a rabbit kidney prostaglandin F(2{alpha}) receptor exhibiting G(i)-restricted signaling that inhibits water absorption in the collecting duct. *Journal of Biological Chemistry*, **2005**, 280, 35028-37	5.4	26
70	Targeting VE-PTP phosphatase protects the kidney from diabetic injury. *Journal of Experimental Medicine*, **2019**, 216, 936-949	16.6	25
69	Mouse EP3 alpha, beta, and gamma receptor variants reduce tumor cell proliferation and tumorigenesis in vivo. *Journal of Biological Chemistry*, **2008**, 283, 12538-45	5.4	25
68	Epithelial COX-2 expression is not regulated by nitric oxide in rodent renal cortex. *Hypertension*, **2002**, 39, 848-53	8.5	25
67	Expression of mouse membrane-associated prostaglandin E2 synthase-2 (mPGES-2) along the urogenital tract. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2006**, 1761, 1459-68	5	24

66	Mineralocorticoid regulation of cyclooxygenase-2 expression in rat renal medulla. *American Journal of Physiology - Renal Physiology*, **2002**, 283, F509-16	4.3	24
65	Functional and molecular aspects of prostaglandin E receptors in the cortical collecting duct. *Canadian Journal of Physiology and Pharmacology*, **1995**, 73, 172-9	2.4	24
64	Effect of selective cyclooxygenase-2 (COX-2) inhibitor treatment on glucose-stimulated insulin secretion in C57BL/6 mice. *Biochemical and Biophysical Research Communications*, **2007**, 363, 37-43	3.4	23
63	Importance of the extracellular domain for prostaglandin EP(2) receptor function. *Molecular Pharmacology*, **1999**, 56, 545-51	4.3	23
62	Overcoming Barriers in Kidney Health-Forging a Platform for Innovation. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 1902-10	12.7	22
61	Generation and functional confirmation of a conditional null PPARgamma allele in mice. *Genesis*, **2002**, 32, 134-7	1.9	22
60	Defective expression of Tamm-Horsfall protein/uromodulin in COX-2-deficient mice increases their susceptibility to urinary tract infections. *American Journal of Physiology - Renal Physiology*, **2005**, 289, F49-60	4.3	22
59	Phorbol ester and A23187 have additive but mechanistically separate effects on vasopressin action in rabbit collecting tubule. *Journal of Clinical Investigation*, **1988**, 81, 1578-84	15.9	22
58	Expression of nestin in the podocytes of normal and diseased human kidneys. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2007**, 292, R1761-7	3.2	20
57	Cloning and expression of the rabbit prostaglandin EP2 receptor. *BMC Pharmacology*, **2002**, 2, 14		20
56	Regulation of net bicarbonate transport in rabbit cortical collecting tubule by peritubular pH, carbon dioxide tension, and bicarbonate concentration. *Journal of Clinical Investigation*, **1986**, 77, 1650-60	15.9	20
55	Peroxisome proliferator-activated receptor-alpha deficiency protects aged mice from insulin resistance induced by high-fat diet. *American Journal of Nephrology*, **2007**, 27, 479-82	4.6	18
54	Molecular cloning and characterization of mouse CYP2J6, an unstable cytochrome P450 isoform. *Biochemical Pharmacology*, **2002**, 64, 1447-60	6	18
53	A sensitized screen of N-ethyl-N-nitrosourea-mutagenized mice identifies dominant mutants predisposed to diabetic nephropathy. *Journal of the American Society of Nephrology: JASN*, **2007**, 18, 103-12	12.7	17
52	Effects of global or targeted deletion of the EP4 receptor on the response of osteoblasts to prostaglandin in vitro and on bone histomorphometry in aged mice. *Bone*, **2009**, 45, 98-103	4.7	16
51	Generation of a tenascin-C-CreER2 knockin mouse line for conditional DNA recombination in renal medullary interstitial cells. *PLoS ONE*, **2013**, 8, e79839	3.7	16
50	Measurement of glomerular filtration rate in conscious mice. *Methods in Molecular Biology*, **2009**, 466, 61-72	1.4	16
49	Enhanced pressor response to acute Ang II infusion in mice lacking membrane-associated prostaglandin E2 synthase-1. *Acta Pharmacologica Sinica*, **2010**, 31, 1284-92	8	14

48	Hypertension and cyclooxygenase-2 inhibitors: target: the renal medulla. *Hypertension*, **2004**, 44, 396-7	8.5	14
47	Genomic structure and genitourinary expression of mouse cytosolic prostaglandin E(2) synthase gene. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2003**, 1634, 15-23	5	14
46	Role of TGF-alpha in the progression of diabetic kidney disease. *American Journal of Physiology - Renal Physiology*, **2017**, 312, F951-F962	4.3	13
45	Increased dietary sodium induces COX2 expression by activating NFB in renal medullary interstitial cells. *Pflugers Archiv European Journal of Physiology*, **2014**, 466, 357-367	4.6	13
44	Increased severity of renal impairment in nephritic mice lacking the EP1 receptor. *Canadian Journal of Physiology and Pharmacology*, **2006**, 84, 877-85	2.4	13
43	Meningorectal fistula as a cause of polymicrobial anaerobic meningitis. *American Journal of Clinical Pathology*, **1982**, 78, 127-30	1.9	13
42	Progressive Renal Disease Established by Renin-Coding Adeno-Associated Virus-Driven Hypertension in Diverse Diabetic Models. *Journal of the American Society of Nephrology: JASN*, **2018**, 29, 477-491	12.7	12
41	Generation and activity of a humanized monoclonal antibody that selectively neutralizes the epidermal growth factor receptor ligands transforming growth factor- and epiregulin. *Journal of Pharmacology and Experimental Therapeutics*, **2014**, 349, 330-43	4.7	12
40	Expression of mediators of renal injury in the remnant kidney of ROP mice is attenuated by cyclooxygenase-2 inhibition. *Nephron Experimental Nephrology*, **2005**, 101, e75-85		12
39	Mechanisms and regulation of renal H+ and HCO3- transport. *American Journal of Nephrology*, **1987**, 7, 150-61	4.6	12
38	Effect of deletion of the prostaglandin EP4 receptor on stimulation of calcium release from cultured mouse calvariae: impaired responsiveness in heterozygotes. *Prostaglandins and Other Lipid Mediators*, **2005**, 78, 19-26	3.7	11
37	Prostaglandin receptors in the kidney: a new route for intervention?. *Nephron Experimental Nephrology*, **1998**, 6, 180-8		11
36	Targeted gene disruption of the prostaglandin E2 EP2 receptor. *Advances in Experimental Medicine and Biology*, **2002**, 507, 321-6	3.6	11
35	Estimated glomerular filtration rate progression in UK primary care patients with type 2 diabetes and diabetic kidney disease: a retrospective cohort study. *International Journal of Clinical Practice*, **2015**, 69, 871-82	2.9	10
34	Drug discovery for diabetic nephropathy: trying the leap from mouse to man. *Seminars in Nephrology*, **2012**, 32, 445-51	4.8	10
33	Diabetic nephropathy: a national dialogue. *Clinical Journal of the American Society of Nephrology: CJASN*, **2013**, 8, 1603-5	6.9	10
32	Cardiovascular effects of selective COX-2 inhibition: is there a class effect? The International COX-2 Study Group. *Journal of Rheumatology*, **2006**, 33, 1403-8	4.1	10
31	Stacking the deck for drug discovery in diabetic nephropathy: in search of an animal model. *Journal of the American Society of Nephrology: JASN*, **2008**, 19, 1623-4	12.7	9

30	Characterization of diabetic nephropathy in a transgenic model of hypoinsulinemic diabetes. *American Journal of Physiology - Renal Physiology*, **2006**, 291, F1315-22	4.3	9
29	Viral transduction of renin rapidly establishes persistent hypertension in diverse murine strains. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 309, R467-74	3.2	8
28	Improving productivity of modern-day drug discovery. *Expert Opinion on Drug Discovery*, **2014**, 9, 115-8	6.2	8
27	Induction of rabbit cyclooxygenase 2 in the anterior uvea following glaucoma filtration surgery. *Current Eye Research*, **1997**, 16, 1147-51	2.9	8
26	Bradykinin B2 type receptor activation regulates fluid and electrolyte transport in the rabbit kidney. *Peptides*, **2005**, 26, 1308-16	3.8	8
25	Inflammatory modulation and wound repair. *Journal of Investigative Dermatology*, **2003**, 120, xi-xii	4.3	8
24	Diabetic nephropathy: leveraging mouse genetics. *Current Opinion in Nephrology and Hypertension*, **2006**, 15, 227-32	3.5	7
23	Profibrotic Circulating Proteins and Risk of Early Progressive Renal Decline in Patients With Type 2 Diabetes With and Without Albuminuria. *Diabetes Care*, **2020**, 43, 2760-2767	14.6	7
22	Novel avenues for drug discovery in diabetic kidney disease. *Expert Opinion on Drug Discovery*, **2018** , 13, 65-74	6.2	7
21	Generation of a conditional allele for the mouse endothelial nitric oxide synthase gene. *Genesis*, **2012**, 50, 685-92	1.9	6
20	Nonselective Cyclooxygenase Inhibition Retards Cyst Progression in a Murine Model of Autosomal Dominant Polycystic Kidney Disease. *International Journal of Medical Sciences*, **2019**, 16, 180-188	3.7	5
19	Insight into the genetics of diabetic nephropathy through the study of mice. *Current Opinion in Nephrology and Hypertension*, **2008**, 17, 82-6	3.5	5
18	Examining diabetic nephropathy through the lens of mouse genetics. *Current Diabetes Reports*, **2007**, 7, 459-66	5.6	5
17	Getting to the heart of COX-2 inhibition. *Cell Metabolism*, **2005**, 2, 149-50	24.6	5
16	Osteopontin in diabetic nephropathy: signpost or road?. *Kidney International*, **2010**, 77, 565-6	9.9	4
15	Prostanoid receptors and the urogenital tract. *Current Opinion in Investigational Drugs*, **2003**, 4, 1343-53		4
14	Translating experimental diabetic nephropathy studies from mice to men. *Contributions To Nephrology*, **2011**, 170, 156-164	1.6	3
13	Beyond cyclooxygenase. *Kidney International*, **2002**, 62, 1898-9	9.9	3

12	Diabetic nephropathy: big and bad. *Kidney International*, **2005**, 68, 1896-7	9.9	3
11	Progress in progression?. *Journal of the American Society of Nephrology: JASN*, **2010**, 21, 1414-6	12.7	2
10	Intrarenal distribution of rabbit PKC zeta. *Kidney International*, **1997**, 51, 1831-7	9.9	2
9	Genetics of diabetic nephropathy: lessons from mice. *Seminars in Nephrology*, **2007**, 27, 237-47	4.8	2
8	Characterization of the proton-secreting cell of the rabbit medullary collecting duct. *Annals of the New York Academy of Sciences*, **1989**, 574, 428-37	6.5	2
7	Pathological and Transcriptome Changes in the ReninAAV db/ db uNx Model of Advanced Diabetic Kidney Disease Exhibit Features of Human Disease. *Toxicologic Pathology*, **2018**, 46, 991-998	2.1	2
6	Eicosanoids and Renal Function **2013**, 487-509		1
5	The Use of Genomics to Drive Kidney Disease Drug Discovery and Development. *Clinical Journal of the American Society of Nephrology: CJASN*, **2020**, 15, 1342-1351	6.9	1
4	Cyclooxygenase-2 contributes to diabetic nephropathy through glomerular EP4 receptor.. *Prostaglandins and Other Lipid Mediators*, **2022**, 159, 106621	3.7	0
3	Eicosanoid Receptors **2004**, 6-9		
2	Glycogen Synthase Kinase 3 Inhibition Improves Insulin Stimulated Glucose Metabolismin High Fat Fed C57/BL6J Mice. *FASEB Journal*, **2007**, 21, A832	0.9	
1	Structure and localization of the rabbit prostaglandin EP3 receptor. *Advances in Experimental Medicine and Biology*, **1997**, 400A, 261-8	3.6	