Richard J Johnson

List of Publications by Citations

657 papers	53,304 citations	118 h-index	203 g-index
704 ext. papers	59,769 ext. citations	7.1 avg, IF	7.5 L-index

#	Paper	IF	Citations
657	Uric acid and cardiovascular risk. *New England Journal of Medicine*, **2008**, 359, 1811-21	59.2	1587
656	A role for uric acid in the progression of renal disease. *Journal of the American Society of Nephrology: JASN*, **2002**, 13, 2888-97	12.7	968
655	Is there a pathogenetic role for uric acid in hypertension and cardiovascular and renal disease?. *Hypertension*, **2003**, 41, 1183-90	8.5	933
654	Elevated uric acid increases blood pressure in the rat by a novel crystal-independent mechanism. *Hypertension*, **2001**, 38, 1101-6	8.5	923
653	Hyperuricemia induces endothelial dysfunction. *Kidney International*, **2005**, 67, 1739-42	9.9	785
652	A causal role for uric acid in fructose-induced metabolic syndrome. *American Journal of Physiology - Renal Physiology*, **2006**, 290, F625-31	4.3	749
651	Membranoproliferative glomerulonephritis associated with hepatitis C virus infection. *New England Journal of Medicine*, **1993**, 328, 465-70	59.2	741
650	Effect of allopurinol on blood pressure of adolescents with newly diagnosed essential hypertension: a randomized trial. *JAMA - Journal of the American Medical Association*, **2008**, 300, 924-32	27.4	641
649	Uric acid-induced C-reactive protein expression: implication on cell proliferation and nitric oxide production of human vascular cells. *Journal of the American Society of Nephrology: JASN*, **2005**, 16, 3553-62	12.7	638
648	Evolving importance of kidney disease: from subspecialty to global health burden. *Lancet, The*, **2013**, 382, 158-69	40	624
647	Potential role of sugar (fructose) in the epidemic of hypertension, obesity and the metabolic syndrome, diabetes, kidney disease, and cardiovascular disease. *American Journal of Clinical Nutrition*, **2007**, 86, 899-906	7	617
646	Fructose consumption as a risk factor for non-alcoholic fatty liver disease. *Journal of Hepatology*, **2008**, 48, 993-9	13.4	597
645	Uric acid stimulates monocyte chemoattractant protein-1 production in vascular smooth muscle cells via mitogen-activated protein kinase and cyclooxygenase-2. *Hypertension*, **2003**, 41, 1287-93	8.5	597
644	IL-10, IL-6, and TNF-alpha: central factors in the altered cytokine network of uremia--the good, the bad, and the ugly. *Kidney International*, **2005**, 67, 1216-33	9.9	588
643	Hyperuricemia induces a primary renal arteriolopathy in rats by a blood pressure-independent mechanism. *American Journal of Physiology - Renal Physiology*, **2002**, 282, F991-7	4.3	573
642	Adverse effects of the classic antioxidant uric acid in adipocytes: NADPH oxidase-mediated oxidative/nitrosative stress. *American Journal of Physiology - Cell Physiology*, **2007**, 293, C584-96	5.4	490
641	Increased fructose consumption is associated with fibrosis severity in patients with nonalcoholic fatty liver disease. *Hepatology*, **2010**, 51, 1961-71	11.2	479

640	Renal injury from angiotensin II-mediated hypertension. *Hypertension*, **1992**, 19, 464-74	8.5	448
639	Sugar, uric acid, and the etiology of diabetes and obesity. *Diabetes*, **2013**, 62, 3307-15	0.9	427
638	Uric acid, hominoid evolution, and the pathogenesis of salt-sensitivity. *Hypertension*, **2002**, 40, 355-60	8.5	413
637	Hyperuricemia in childhood primary hypertension. *Hypertension*, **2003**, 42, 247-52	8.5	396
636	Uric acid induces hepatic steatosis by generation of mitochondrial oxidative stress: potential role in fructose-dependent and -independent fatty liver. *Journal of Biological Chemistry*, **2012**, 287, 40732-44	5.4	382
635	Subtle acquired renal injury as a mechanism of salt-sensitive hypertension. *New England Journal of Medicine*, **2002**, 346, 913-23	59.2	362
634	Hypothesis: could excessive fructose intake and uric acid cause type 2 diabetes?. *Endocrine Reviews*, **2009**, 30, 96-116	27.2	356
633	Mild hyperuricemia induces vasoconstriction and maintains glomerular hypertension in normal and remnant kidney rats. *Kidney International*, **2005**, 67, 237-47	9.9	355
632	Uric acid and chronic kidney disease: which is chasing which?. *Nephrology Dialysis Transplantation*, **2013**, 28, 2221-8	4.3	351
631	Expression of smooth muscle cell phenotype by rat mesangial cells in immune complex nephritis. Alpha-smooth muscle actin is a marker of mesangial cell proliferation. *Journal of Clinical Investigation*, **1991**, 87, 847-58	15.9	349
630	Fructose and sugar: A major mediator of non-alcoholic fatty liver disease. *Journal of Hepatology*, **2018**, 68, 1063-1075	13.4	346
629	Oxidative stress with an activation of the renin–angiotensin system in human vascular endothelial cells as a novel mechanism of uric acid-induced endothelial dysfunction. *Journal of Hypertension*, **2010**, 28, 1234-1242	1.9	342
628	Inhibition of mesangial cell proliferation and matrix expansion in glomerulonephritis in the rat by antibody to platelet-derived growth factor. *Journal of Experimental Medicine*, **1992**, 175, 1413-6	16.6	326
627	Impaired angiogenesis in the remnant kidney model: II. Vascular endothelial growth factor administration reduces renal fibrosis and stabilizes renal function. *Journal of the American Society of Nephrology: JASN*, **2001**, 12, 1448-1457	12.7	317
626	Inhibition of renal fibrosis by gene transfer of inducible Smad7 using ultrasound-microbubble system in rat UUO model. *Journal of the American Society of Nephrology: JASN*, **2003**, 14, 1535-48	12.7	306
625	Glomerular cell proliferation and PDGF expression precede glomerulosclerosis in the remnant kidney model. *Kidney International*, **1992**, 41, 297-309	9.9	306
624	Diabetic endothelial nitric oxide synthase knockout mice develop advanced diabetic nephropathy. *Journal of the American Society of Nephrology: JASN*, **2007**, 18, 539-50	12.7	292
623	Mesangial cell apoptosis: the major mechanism for resolution of glomerular hypercellularity in experimental mesangial proliferative nephritis. *Journal of Clinical Investigation*, **1994**, 94, 2105-16	15.9	292

622	Hyperuricemia as a mediator of the proinflammatory endocrine imbalance in the adipose tissue in a murine model of the metabolic syndrome. *Diabetes*, **2011**, 60, 1258-69	0.9	284
621	Evidence for a role of osteopontin in macrophage infiltration in response to pathological stimuli in vivo. *American Journal of Pathology*, **1998**, 152, 353-8	5.8	260
620	Impaired angiogenesis in the remnant kidney model: I. Potential role of vascular endothelial growth factor and thrombospondin-1. *Journal of the American Society of Nephrology: JASN*, **2001**, 12, 1434-1447	12.7	258
619	Hypothesis: fructose-induced hyperuricemia as a causal mechanism for the epidemic of the metabolic syndrome. *Nature Clinical Practice Nephrology*, **2005**, 1, 80-6		254
618	Induction of beta-platelet-derived growth factor receptor in rat hepatic lipocytes during cellular activation in vivo and in culture. *Journal of Clinical Investigation*, **1994**, 94, 1563-9	15.9	241
617	Cellular events in the evolution of experimental diabetic nephropathy. *Kidney International*, **1995**, 47, 935-44	9.9	236
616	Risk factors and mortality associated with calciphylaxis in end-stage renal disease. *Kidney International*, **2001**, 60, 324-32	9.9	223
615	Role of the microvascular endothelium in progressive renal disease. *Journal of the American Society of Nephrology: JASN*, **2002**, 13, 806-816	12.7	223
614	Osteopontin is a critical inhibitor of calcium oxalate crystal formation and retention in renal tubules. *Journal of the American Society of Nephrology: JASN*, **2003**, 14, 139-47	12.7	221
613	Impaired angiogenesis in the aging kidney: vascular endothelial growth factor and thrombospondin-1 in renal disease. *American Journal of Kidney Diseases*, **2001**, 37, 601-11	7.4	221
612	Obstructive uropathy in the mouse: role of osteopontin in interstitial fibrosis and apoptosis. *Kidney International*, **1999**, 56, 571-80	9.9	220
611	Essential hypertension, progressive renal disease, and uric acid: a pathogenetic link?. *Journal of the American Society of Nephrology: JASN*, **2005**, 16, 1909-19	12.7	218
610	Smad7 inhibits fibrotic effect of TGF-Beta on renal tubular epithelial cells by blocking Smad2 activation. *Journal of the American Society of Nephrology: JASN*, **2002**, 13, 1464-72	12.7	217
609	Mild hyperuricemia induces glomerular hypertension in normal rats. *American Journal of Physiology - Renal Physiology*, **2002**, 283, F1105-10	4.3	213
608	Role of oxidative stress in the renal abnormalities induced by experimental hyperuricemia. *American Journal of Physiology - Renal Physiology*, **2008**, 295, F1134-41	4.3	212
607	Advanced glycation end products activate Smad signaling via TGF-beta-dependent and independent mechanisms: implications for diabetic renal and vascular disease. *FASEB Journal*, **2004**, 18, 176-8	0.9	210
606	Excessive fructose intake induces the features of metabolic syndrome in healthy adult men: role of uric acid in the hypertensive response. *International Journal of Obesity*, **2010**, 34, 454-61	5.5	209
605	CKD of unknown origin in Central America: the case for a Mesoamerican nephropathy. *American Journal of Kidney Diseases*, **2014**, 63, 506-20	7.4	207

604	Molecular physiology of urate transport. *Physiology*, **2005**, 20, 125-33	9.8	206
603	Fructose-induced leptin resistance exacerbates weight gain in response to subsequent high-fat feeding. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2008**, 295, R1370-5	3.2	203
602	Infusion of platelet-derived growth factor or basic fibroblast growth factor induces selective glomerular mesangial cell proliferation and matrix accumulation in rats. *Journal of Clinical Investigation*, **1993**, 92, 2952-62	15.9	202
601	Hyperuricemia causes glomerular hypertrophy in the rat. *American Journal of Nephrology*, **2003**, 23, 2-7	4.6	198
600	Mechanisms involved in the pathogenesis of tubulointerstitial fibrosis in 5/6-nephrectomized rats. *Kidney International*, **1996**, 49, 666-78	9.9	196
599	Increased synthesis of extracellular matrix in mesangial proliferative nephritis. *Kidney International*, **1991**, 40, 477-88	9.9	196
598	Oxidative stress with an activation of the renin-angiotensin system in human vascular endothelial cells as a novel mechanism of uric acid-induced endothelial dysfunction. *Journal of Hypertension*, **2010**, 28, 1234-42	1.9	196
597	Uric acid in metabolic syndrome: From an innocent bystander to a central player. *European Journal of Internal Medicine*, **2016**, 29, 3-8	3.9	193
596	Ketohexokinase-dependent metabolism of fructose induces proinflammatory mediators in proximal tubular cells. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 545-53	12.7	188
595	Uric acid causes vascular smooth muscle cell proliferation by entering cells via a functional urate transporter. *American Journal of Nephrology*, **2005**, 25, 425-33	4.6	186
594	Climate Change and the Emergent Epidemic of CKD from Heat Stress in Rural Communities: The Case for Heat Stress Nephropathy. *Clinical Journal of the American Society of Nephrology: CJASN*, **2016**, 11, 1472-83	6.9	185
593	Role of uric acid in hypertension, renal disease, and metabolic syndrome. *Cleveland Clinic Journal of Medicine*, **2006**, 73, 1059-64	2.8	184
592	Enhanced expression of "muscle-specific" actin in glomerulonephritis. *Kidney International*, **1992**, 41, 1134-42	9.9	183
591	A randomized study of allopurinol on endothelial function and estimated glomular filtration rate in asymptomatic hyperuricemic subjects with normal renal function. *Clinical Journal of the American Society of Nephrology: CJASN*, **2011**, 6, 1887-94	6.9	182
590	Endothelial dysfunction: a link among preeclampsia, recurrent pregnancy loss, and future cardiovascular events?. *Hypertension*, **2007**, 49, 90-5	8.5	182
589	Complement membrane attack complex stimulates production of reactive oxygen metabolites by cultured rat mesangial cells. *Journal of Clinical Investigation*, **1986**, 77, 762-7	15.9	182
588	Hyperuricemia, Acute and Chronic Kidney Disease, Hypertension, and Cardiovascular Disease: Report of a Scientific Workshop Organized by the National Kidney Foundation. *American Journal of Kidney Diseases*, **2018**, 71, 851-865	7.4	181
587	Opposing effects of fructokinase C and A isoforms on fructose-induced metabolic syndrome in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 4320-5	11.5	181

586	New mechanism for glomerular injury. Myeloperoxidase-hydrogen peroxide-halide system. *Journal of Clinical Investigation*, **1987**, 79, 1379-87	15.9	181
585	High-fat and high-sucrose (western) diet induces steatohepatitis that is dependent on fructokinase. *Hepatology*, **2013**, 58, 1632-43	11.2	177
584	Hepatitis B infection and renal disease: clinical, immunopathogenetic and therapeutic considerations. *Kidney International*, **1990**, 37, 663-76	9.9	176
583	The activated mesangial cell: a glomerular "myofibroblast"?. *Journal of the American Society of Nephrology: JASN*, **1992**, 2, S190-7	12.7	176
582	J-shaped mortality relationship for uric acid in CKD. *American Journal of Kidney Diseases*, **2006**, 48, 761-71	7.4	172
581	Hypothesis: Uric acid, nephron number, and the pathogenesis of essential hypertension. *Kidney International*, **2004**, 66, 281-7	9.9	171
580	Osteopontin expression in angiotensin II-induced tubulointerstitial nephritis. *Kidney International*, **1994**, 45, 515-24	9.9	171
579	Role of the Immune System in Hypertension. *Physiological Reviews*, **2017**, 97, 1127-1164	47.9	170
578	The glomerular response to injury: progression or resolution?. *Kidney International*, **1994**, 45, 1769-82	9.9	169
577	Uric acid-induced endothelial dysfunction is associated with mitochondrial alterations and decreased intracellular ATP concentrations. *Nephron Experimental Nephrology*, **2012**, 121, e71-8		167
576	Tubulointerstitial disease in aging: evidence for underlying peritubular capillary damage, a potential role for renal ischemia. *Journal of the American Society of Nephrology: JASN*, **1998**, 9, 231-42	12.7	167
575	Evolutionary history and metabolic insights of ancient mammalian uricases. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 3763-8	11.5	166
574	Inactivation of nitric oxide by uric acid. *Nucleosides, Nucleotides and Nucleic Acids*, **2008**, 27, 967-78	1.4	166
573	Vascular endothelial growth factor accelerates renal recovery in experimental thrombotic microangiopathy. *Kidney International*, **2000**, 58, 2390-9	9.9	165
572	Heat stress, dehydration, and kidney function in sugarcane cutters in El Salvador--A cross-shift study of workers at risk of Mesoamerican nephropathy. *Environmental Research*, **2015**, 142, 746-55	7.9	164
571	Uric acid-induced phenotypic transition of renal tubular cells as a novel mechanism of chronic kidney disease. *American Journal of Physiology - Renal Physiology*, **2013**, 304, F471-80	4.3	164
570	Serum uric acid as a predictor for development of diabetic nephropathy in type 1 diabetes: an inception cohort study. *Diabetes*, **2009**, 58, 1668-71	0.9	163
569	Resurrection of uric acid as a causal risk factor in essential hypertension. *Hypertension*, **2005**, 45, 18-20	8.5	162

568	Uric acid stimulates fructokinase and accelerates fructose metabolism in the development of fatty liver. *PLoS ONE*, **2012**, 7, e47948	3.7	162
567	Risk of death among chronic dialysis patients infected with hepatitis C virus. *American Journal of Kidney Diseases*, **1998**, 32, 629-34	7.4	157
566	Uric acid, evolution and primitive cultures. *Seminars in Nephrology*, **2005**, 25, 3-8	4.8	149
565	Hepatitis C virus-associated glomerulonephritis. Effect of alpha-interferon therapy. *Kidney International*, **1994**, 46, 1700-4	9.9	148
564	Role of immunocompetent cells in nonimmune renal diseases. *Kidney International*, **2001**, 59, 1626-40	9.9	143
563	Cellular proliferation and macrophage influx precede interstitial fibrosis in cyclosporine nephrotoxicity. *Kidney International*, **1995**, 48, 439-48	9.9	140
562	Effect of lowering uric acid on renal disease in the type 2 diabetic db/db mice. *American Journal of Physiology - Renal Physiology*, **2009**, 297, F481-8	4.3	139
561	Fructokinase activity mediates dehydration-induced renal injury. *Kidney International*, **2014**, 86, 294-302	9.9	137
560	Salt-sensitive hypertension develops after short-term exposure to Angiotensin II. *Hypertension*, **1999**, 33, 1013-9	8.5	137
559	Platelets mediate glomerular cell proliferation in immune complex nephritis induced by anti-mesangial cell antibodies in the rat. *American Journal of Pathology*, **1990**, 136, 369-74	5.8	137
558	Urinary CD80 excretion increases in idiopathic minimal-change disease. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 260-6	12.7	135
557	Endothelial dysfunction as a potential contributor in diabetic nephropathy. *Nature Reviews Nephrology*, **2011**, 7, 36-44	14.9	134
556	Effects of febuxostat on metabolic and renal alterations in rats with fructose-induced metabolic syndrome. *American Journal of Physiology - Renal Physiology*, **2008**, 294, F710-8	4.3	133
555	Endogenous fructose production and metabolism in the liver contributes to the development of metabolic syndrome. *Nature Communications*, **2013**, 4, 2434	17.4	132
554	Increased fructose associates with elevated blood pressure. *Journal of the American Society of Nephrology: JASN*, **2010**, 21, 1543-9	12.7	132
553	Could uric acid have a role in acute renal failure?. *Clinical Journal of the American Society of Nephrology: CJASN*, **2007**, 2, 16-21	6.9	132
552	Uric acid induces fat accumulation via generation of endoplasmic reticulum stress and SREBP-1c activation in hepatocytes. *Laboratory Investigation*, **2014**, 94, 1114-25	5.9	130
551	Uric acid predicts clinical outcomes in heart failure: insights regarding the role of xanthine oxidase and uric acid in disease pathophysiology. *Circulation*, **2003**, 107, 1951-3	16.7	127

550	Serum uric acid levels predict the development of albuminuria over 6 years in patients with type 1 diabetes: findings from the Coronary Artery Calcification in Type 1 Diabetes study. *Nephrology Dialysis Transplantation*, **2010**, 25, 1865-9	4.3	126
549	Urinary CD80 is elevated in minimal change disease but not in focal segmental glomerulosclerosis. *Kidney International*, **2010**, 78, 296-302	9.9	126
548	Accelerated apoptosis characterizes cyclosporine-associated interstitial fibrosis. *Kidney International*, **1998**, 53, 897-908	9.9	126
547	Higher dietary fructose is associated with impaired hepatic adenosine triphosphate homeostasis in obese individuals with type 2 diabetes. *Hepatology*, **2012**, 56, 952-60	11.2	125
546	Sex differences in uric acid and risk factors for coronary artery disease. *American Journal of Cardiology*, **2001**, 87, 1411-4	3	125
545	Heparin suppresses mesangial cell proliferation and matrix expansion in experimental mesangioproliferative glomerulonephritis. *Kidney International*, **1993**, 43, 369-80	9.9	123
544	Unearthing uric acid: an ancient factor with recently found significance in renal and cardiovascular disease. *Kidney International*, **2006**, 69, 1722-5	9.9	120
543	Sucrose induces fatty liver and pancreatic inflammation in male breeder rats independent of excess energy intake. *Metabolism: Clinical and Experimental*, **2011**, 60, 1259-70	12.7	119
542	Heat Stress Nephropathy From Exercise-Induced Uric Acid Crystalluria: A Perspective on Mesoamerican Nephropathy. *American Journal of Kidney Diseases*, **2016**, 67, 20-30	7.4	118
541	Dietary fructose causes tubulointerstitial injury in the normal rat kidney. *American Journal of Physiology - Renal Physiology*, **2010**, 298, F712-20	4.3	118
540	Contribution of uric acid to cancer risk, recurrence, and mortality. *Clinical and Translational Medicine* , **2012**, 1, 16	5.7	117
539	Counteracting roles of AMP deaminase and AMP kinase in the development of fatty liver. *PLoS ONE* , **2012**, 7, e48801	3.7	117
538	IL-10 suppresses chemokines, inflammation, and fibrosis in a model of chronic renal disease. *Journal of the American Society of Nephrology: JASN*, **2005**, 16, 3651-60	12.7	117
537	The human neutrophil serine proteinases, elastase and cathepsin G, can mediate glomerular injury in vivo. *Journal of Experimental Medicine*, **1988**, 168, 1169-74	16.6	117
536	Human renal cortical interstitial cells with some features of smooth muscle cells participate in tubulointerstitial and crescentic glomerular injury. *Journal of the American Society of Nephrology: JASN*, **1994**, 5, 201-9	12.7	117
535	The effect of fructose on renal biology and disease. *Journal of the American Society of Nephrology: JASN*, **2010**, 21, 2036-9	12.7	116
534	Increased oxidative stress following acute and chronic high altitude exposure. *High Altitude Medicine and Biology*, **2004**, 5, 61-9	1.9	116
533	Participation of glomerular endothelial cells in the capillary repair of glomerulonephritis. *American Journal of Pathology*, **1995**, 147, 1715-27	5.8	116

532	A unifying pathway for essential hypertension. *American Journal of Hypertension*, **2005**, 18, 431-40	2.3	115
531	TGF-beta induces proangiogenic and antiangiogenic factors via parallel but distinct Smad pathways. *Kidney International*, **2004**, 66, 605-13	9.9	112
530	Role of TGF-beta signaling in extracellular matrix production under high glucose conditions. *Kidney International*, **2003**, 63, 2010-9	9.9	111
529	Serum Uric Acid and Risk of CKD in Type 2 Diabetes. *Clinical Journal of the American Society of Nephrology: CJASN*, **2015**, 10, 1921-9	6.9	110
528	High salt intake causes leptin resistance and obesity in mice by stimulating endogenous fructose production and metabolism. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 3138-3143	11.5	110
527	Fructose induces the inflammatory molecule ICAM-1 in endothelial cells. *Journal of the American Society of Nephrology: JASN*, **2008**, 19, 1712-20	12.7	110
526	Human vascular smooth muscle cells express a urate transporter. *Journal of the American Society of Nephrology: JASN*, **2006**, 17, 1791-5	12.7	109
525	Uric acid and diet--insights into the epidemic of cardiovascular disease. *New England Journal of Medicine*, **2004**, 350, 1071-3	59.2	107
524	Renal manifestations of hepatitis C virus infection. *Kidney International*, **1994**, 46, 1255-63	9.9	107
523	Chronic Kidney Disease of Unknown Cause in Agricultural Communities. *New England Journal of Medicine*, **2019**, 380, 1843-1852	59.2	106
522	Elevated serum uric acid levels are associated with non-alcoholic fatty liver disease independently of metabolic syndrome features in the United States: Liver ultrasound data from the National Health and Nutrition Examination Survey. *Metabolism: Clinical and Experimental*, **2013**, 62, 392-9	12.7	106
521	Developmental patterns of PDGF B-chain, PDGF-receptor, and alpha-actin expression in human glomerulogenesis. *Kidney International*, **1992**, 42, 390-9	9.9	106
520	Effects of high-fructose corn syrup and sucrose on the pharmacokinetics of fructose and acute metabolic and hemodynamic responses in healthy subjects. *Metabolism: Clinical and Experimental*, **2012**, 61, 641-51	12.7	103
519	Extraglomerular origin of the mesangial cell after injury. A new role of the juxtaglomerular apparatus. *Journal of Clinical Investigation*, **1997**, 100, 786-94	15.9	103
518	Rat glomerular mesangial cells synthesize basic fibroblast growth factor. Release, upregulated synthesis, and mitogenicity in mesangial proliferative glomerulonephritis. *Journal of Clinical Investigation*, **1992**, 90, 2362-9	15.9	102
517	Uric acid-dependent inhibition of AMP kinase induces hepatic glucose production in diabetes and starvation: evolutionary implications of the uricase loss in hominids. *FASEB Journal*, **2014**, 28, 3339-50	0.9	101
516	Effect of elevated serum uric acid on cisplatin-induced acute renal failure. *American Journal of Physiology - Renal Physiology*, **2007**, 292, F116-22	4.3	100
515	Hypothesis: the role of acquired tubulointerstitial disease in the pathogenesis of salt-dependent hypertension. *Kidney International*, **1997**, 52, 1169-79	9.9	99

514	Depletion of C6 prevents development of proteinuria in experimental membranous nephropathy in rats. *American Journal of Pathology*, **1989**, 135, 185-94	5.8	99
513	Uric Acid Is a Strong Risk Marker for Developing Hypertension From Prehypertension: A 5-Year Japanese Cohort Study. *Hypertension*, **2018**, 71, 78-86	8.5	99
512	T regulatory cell function in idiopathic minimal lesion nephrotic syndrome. *Pediatric Nephrology*, **2009**, 24, 1691-8	3.2	98
511	Role of intrinsic renal cells versus infiltrating cells in glomerular crescent formation. *Kidney International*, **1998**, 54, 416-25	9.9	98
510	Prevalence and risk factors associated with chronic kidney disease in an adult population from southern China. *Nephrology Dialysis Transplantation*, **2009**, 24, 1205-12	4.3	98
509	Effects of acute and chronic L-arginine treatment in experimental hyperuricemia. *American Journal of Physiology - Renal Physiology*, **2007**, 292, F1238-44	4.3	98
508	Uric acid and hypertension: cause or effect?. *Current Rheumatology Reports*, **2010**, 12, 108-17	4.9	97
507	Cyclin kinase inhibitors are increased during experimental membranous nephropathy: potential role in limiting glomerular epithelial cell proliferation in vivo. *Kidney International*, **1997**, 52, 404-13	9.9	97
506	Mechanisms of progressive renal disease in glomerulonephritis. *American Journal of Kidney Diseases* , **1994**, 23, 193-8	7.4	97
505	Tubulointerstitial disease in glomerulonephritis. Potential role of osteopontin (uropontin). *American Journal of Pathology*, **1994**, 144, 915-26	5.8	97
504	Clinical outcome of hyperuricemia in IgA nephropathy: a retrospective cohort study and randomized controlled trial. *Kidney and Blood Pressure Research*, **2012**, 35, 153-60	3.1	96
503	Nitric oxide modulates vascular disease in the remnant kidney model. *American Journal of Pathology*, **2002**, 161, 239-48	5.8	96
502	Asymptomatic Hyperuricemia Without Comorbidities Predicts Cardiometabolic Diseases: Five-Year Japanese Cohort Study. *Hypertension*, **2017**, 69, 1036-1044	8.5	94
501	Lessons from comparative physiology: could uric acid represent a physiologic alarm signal gone awry in western society?. *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, **2009**, 179, 67-76	2.2	94
500	Pathogenesis of essential hypertension: historical paradigms and modern insights. *Journal of Hypertension*, **2008**, 26, 381-91	1.9	94
499	Osteopontin expression in fetal and mature human kidney. *Journal of the American Society of Nephrology: JASN*, **1999**, 10, 444-57	12.7	94
498	Hepatitis C virus infection and membranoproliferative glomerulonephritis in Japan. *Journal of the American Society of Nephrology: JASN*, **1995**, 6, 220-3	12.7	94
497	Endogenous fructose production and fructokinase activation mediate renal injury in diabetic nephropathy. *Journal of the American Society of Nephrology: JASN*, **2014**, 25, 2526-38	12.7	93

496	Age-related glomerulosclerosis and interstitial fibrosis in Milan normotensive rats: a podocyte disease. *Kidney International*, **1997**, 51, 230-43	9.9	91
495	Demonstration of PDGF B-chain mRNA in glomeruli in mesangial proliferative nephritis by in situ hybridization. *Kidney International*, **1991**, 40, 470-6	9.9	91
494	Lowering Uric Acid With Allopurinol Improves Insulin Resistance and Systemic Inflammation in Asymptomatic Hyperuricemia. *Journal of Investigative Medicine*, **2015**, 63, 924-9	2.9	90
493	The effect of two energy-restricted diets, a low-fructose diet versus a moderate natural fructose diet, on weight loss and metabolic syndrome parameters: a randomized controlled trial. *Metabolism: Clinical and Experimental*, **2011**, 60, 1551-9	12.7	90
492	A "weight-listing" paradox for candidates of renal transplantation?. *American Journal of Transplantation*, **2007**, 7, 550-9	8.7	90
491	Hyperuricemia exacerbates chronic cyclosporine nephropathy. *Transplantation*, **2001**, 71, 900-5	1.8	90
490	Kidney function in sugarcane cutters in Nicaragua--A longitudinal study of workers at risk of Mesoamerican nephropathy. *Environmental Research*, **2016**, 147, 125-32	7.9	88
489	Treatment with the xanthine oxidase inhibitor febuxostat lowers uric acid and alleviates systemic and glomerular hypertension in experimental hyperuricaemia. *Nephrology Dialysis Transplantation*, **2008**, 23, 1179-85	4.3	87
488	Thiazide diuretics exacerbate fructose-induced metabolic syndrome. *Journal of the American Society of Nephrology: JASN*, **2007**, 18, 2724-31	12.7	87
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