Katalin Susztak

List of Publications by Year in Descending Order

183 papers	11,060 citations	54 h-index	103 g-index
216 ext. papers	15,249 ext. citations	12.4 avg, IF	6.49 L-index

#	Paper	IF	Citations
183	APOL1 Risk Variants, Acute Kidney Injury, and Death in Participants With African Ancestry Hospitalized With COVID-19 From the Million Veteran Program.. *JAMA Internal Medicine*, **2022**,	11.5	2
182	Emerging Role of Clinical Genetics in CKD.. *Kidney Medicine*, **2022**, 4, 100435	2.8	1
181	Urine Single-Cell RNA Sequencing in Focal Segmental Glomerulosclerosis Reveals Inflammatory Signatures.. *Kidney International Reports*, **2022**, 7, 289-304	4.1	1
180	Genome-wide association studies identify the role of caspase-9 in kidney disease. *Science Advances*, **2021**, 7, eabi8051	14.3	0
179	Longitudinal urinary biomarkers of immunological activation in covid-19 patients without clinically apparent kidney disease versus acute and chronic failure. *Scientific Reports*, **2021**, 11, 19675	4.9	1
178	The key role of NLRP3 and STING in APOL1-associated podocytopathy. *Journal of Clinical Investigation*, **2021**, 131,	15.9	3
177	APOL1 risk variants in individuals of African genetic ancestry drive endothelial cell defects that exacerbate sepsis. *Immunity*, **2021**, 54, 2632-2649.e6	32.3	7
176	Renal tubule Cpt1a overexpression protects from kidney fibrosis by restoring mitochondrial homeostasis. *Journal of Clinical Investigation*, **2021**, 131,	15.9	42
175	How to Get Started with Single Cell RNA Sequencing Data Analysis. *Journal of the American Society of Nephrology: JASN*, **2021**, 32, 1279-1292	12.7	1
174	Single cell regulatory landscape of the mouse kidney highlights cellular differentiation programs and disease targets. *Nature Communications*, **2021**, 12, 2277	17.4	27
173	The Role of Glomerular Epithelial Injury in Kidney Function Decline in Patients With Diabetic Kidney Disease in the TRIDENT Cohort. *Kidney International Reports*, **2021**, 6, 1066-1080	4.1	2
172	Defining the lineage of thermogenic perivascular adipose tissue. *Nature Metabolism*, **2021**, 3, 469-484	14.6	21
171	DACH1 protects podocytes from experimental diabetic injury and modulates PTIP-H3K4Me3 activity. *Journal of Clinical Investigation*, **2021**, 131,	15.9	3
170	Transcriptome-wide association analysis identifies DACH1 as a kidney disease risk gene that contributes to fibrosis. *Journal of Clinical Investigation*, **2021**, 131,	15.9	8
169	Unbiased Analysis of Temporal Changes in Immune Serum Markers in Acute COVID-19 Infection With Emphasis on Organ Failure, Anti-Viral Treatment, and Demographic Characteristics. *Frontiers in Immunology*, **2021**, 12, 650465	8.4	10
168	APOL1 at 10 years: progress and next steps. *Kidney International*, **2021**, 99, 1296-1302	9.9	4
167	Gaining insight into metabolic diseases from human genetic discoveries. *Trends in Genetics*, **2021**, 37, 1081-1094	8.5	1

166	Can kidney parenchyma metabolites serve as prognostic biomarkers for long-term kidney function after nephrectomy for renal cell carcinoma? A preliminary study.. *CKJ: Clinical Kidney Journal*, **2021**, 14, 656-664	4.5	
165	The Nuclear Receptor ESRRA Protects from Kidney Disease by Coupling Metabolism and Differentiation. *Cell Metabolism*, **2021**, 33, 379-394.e8	24.6	27
164	Kidney disease genetic risk variants alter lysosomal beta-mannosidase () expression and disease severity. *Science Translational Medicine*, **2021**, 13,	17.5	7
163	Urinary Single-Cell Profiling Captures the Cellular Diversity of the Kidney. *Journal of the American Society of Nephrology: JASN*, **2021**, 32, 614-627	12.7	29
162	Association of Coding Variants in Hydroxysteroid 17-beta Dehydrogenase 14 () with Reduced Progression to End Stage Kidney Disease in Type 1 Diabetes. *Journal of the American Society of Nephrology: JASN*, **2021**, 32, 2634-2651	12.7	2
161	A single genetic locus controls both expression of DPEP1/CHMP1A and kidney disease development via ferroptosis. *Nature Communications*, **2021**, 12, 5078	17.4	6
160	Renal Histologic Analysis Provides Complementary Information to Kidney Function Measurement for Patients with Early Diabetic or Hypertensive Disease. *Journal of the American Society of Nephrology: JASN*, **2021**, 32, 2863-2876	12.7	5
159	Mapping the genetic architecture of human traits to cell types in the kidney identifies mechanisms of disease and potential treatments. *Nature Genetics*, **2021**, 53, 1322-1333	36.3	7
158	NAD flux is maintained in aged mice despite lower tissue concentrations. *Cell Systems*, **2021**,	10.6	10
157	Kidney toxicity of the BRAF-kinase inhibitor vemurafenib is driven by off-target ferrochelatase inhibition. *Kidney International*, **2021**, 100, 1214-1226	9.9	2
156	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*, **2021**, 17, 1-382	10.2	440
155	Epigenome-wide association study of serum urate reveals insights into urate co-regulation and the SLC2A9 locus. *Nature Communications*, **2021**, 12, 7173	17.4	1
154	Meta-analyses identify DNA methylation associated with kidney function and damage. *Nature Communications*, **2021**, 12, 7174	17.4	0
153	4557 Defining the relationship between kidney structure and function in patients with and without diabetes and hypertension. *Journal of Clinical and Translational Science*, **2020**, 4, 47-47	0.4	
152	Deep learning enables accurate clustering with batch effect removal in single-cell RNA-seq analysis. *Nature Communications*, **2020**, 11, 2338	17.4	58
151	ASEP: Gene-based detection of allele-specific expression across individuals in a population by RNA sequencing. *PLoS Genetics*, **2020**, 16, e1008786	6	14
150	and -Decommissioned Fetal Enhancers are Linked to Kidney Disease. *Journal of the American Society of Nephrology: JASN*, **2020**, 31, 765-782	12.7	2
149	The Feasibility and Safety of Obtaining Research Kidney Biopsy Cores in Patients with Diabetes: An Interim Analysis of the TRIDENT Study. *Clinical Journal of the American Society of Nephrology: CJASN*, **2020**, 15, 1024-1026	6.9	5

148	Discovery of 318 new risk loci for type 2 diabetes and related vascular outcomes among 1.4 million participants in a multi-ancestry meta-analysis. *Nature Genetics*, **2020**, 52, 680-691	36.3	140
147	Unravelling the complex genetics of common kidney diseases: from variants to mechanisms. *Nature Reviews Nephrology*, **2020**, 16, 628-640	14.9	13
146	The interdependence of renal epithelial and endothelial metabolism and cell state. *Science Signaling*, **2020**, 13,	8.8	4
145	Complexities of Understanding Function from CKD-Associated DNA Variants. *Clinical Journal of the American Society of Nephrology: CJASN*, **2020**, 15, 1028-1040	6.9	
144	Loss of IL-27R Results in Enhanced Tubulointerstitial Fibrosis Associated with Elevated Th17 Responses. *Journal of Immunology*, **2020**, 205, 377-386	5.3	6
143	Inhibition of Endothelial PHD2 Suppresses Post-Ischemic Kidney Inflammation through Hypoxia-Inducible Factor-1. *Journal of the American Society of Nephrology: JASN*, **2020**, 31, 501-516	12.7	13
142	Phenome-wide association analysis suggests the APOL1 linked disease spectrum primarily drives kidney-specific pathways. *Kidney International*, **2020**, 97, 1032-1041	9.9	8
141	Single cell transcriptomics identifies a unique adipose lineage cell population that regulates bone marrow environment. *ELife*, **2020**, 9,	8.9	69
140	It Takes Two to Tango: The Role of Dysregulated Metabolism and Inflammation in Kidney Disease Development. *Seminars in Nephrology*, **2020**, 40, 199-205	4.8	3
139	Systematic integrated analysis of genetic and epigenetic variation in diabetic kidney disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 29013-29024	11.5	11
138	Loss of ELK1 has differential effects on age-dependent organ fibrosis. *International Journal of Biochemistry and Cell Biology*, **2020**, 120, 105668	5.6	7
137	Iterative transfer learning with neural network for clustering and cell type classification in single-cell RNA-seq analysis. *Nature Machine Intelligence*, **2020**, 2, 607-618	22.5	23
136	Podocytopathies. *Nature Reviews Disease Primers*, **2020**, 6, 68	51.1	73
135	The transcriptomic signature of the aging podocyte. *Kidney International*, **2020**, 98, 1079-1081	9.9	0
134	A kinome-wide screen identifies a CDKL5-SOX9 regulatory axis in epithelial cell death and kidney injury. *Nature Communications*, **2020**, 11, 1924	17.4	10
133	Mapping eGFR loci to the renal transcriptome and phenome in the VA Million Veteran Program. *Nature Communications*, **2019**, 10, 3842	17.4	36
132	Cytosine Methylation Studies in Patients with Diabetic Kidney Disease. *Current Diabetes Reports*, **2019**, 19, 91	5.6	2
131	Mitochondrial Damage and Activation of the STING Pathway Lead to Renal Inflammation and Fibrosis. *Cell Metabolism*, **2019**, 30, 784-799.e5	24.6	121

130	Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria. *Nature Communications*, **2019**, 10, 4130	17.4	43
129	Target genes, variants, tissues and transcriptional pathways influencing human serum urate levels. *Nature Genetics*, **2019**, 51, 1459-1474	36.3	122
128	Bulk tissue cell type deconvolution with multi-subject single-cell expression reference. *Nature Communications*, **2019**, 10, 380	17.4	221
127	Kidney cytosine methylation changes improve renal function decline estimation in patients with diabetic kidney disease. *Nature Communications*, **2019**, 10, 2461	17.4	30
126	Genomic Mismatch at Locus and Kidney Allograft Rejection. *New England Journal of Medicine*, **2019**, 380, 1918-1928	59.2	43
125	A signature of circulating inflammatory proteins and development of end-stage renal disease in diabetes. *Nature Medicine*, **2019**, 25, 805-813	50.5	136
124	FHL2 mediates podocyte Rac1 activation and foot process effacement in hypertensive nephropathy. *Scientific Reports*, **2019**, 9, 6693	4.9	4
123	DNMT1 in Progenitor Cells Is Essential for Transposable Element Silencing and Kidney Development. *Journal of the American Society of Nephrology: JASN*, **2019**, 30, 594-609	12.7	19
122	Understanding the kidney one cell at a time. *Kidney International*, **2019**, 96, 862-870	9.9	30
121	Genome-Wide Association Study of Diabetic Kidney Disease Highlights Biology Involved in Glomerular Basement Membrane Collagen. *Journal of the American Society of Nephrology: JASN*, **2019**, 30, 2000-2016	12.7	66
120	Functional methylome analysis of human diabetic kidney disease. *JCI Insight*, **2019**, 4,	9.9	28
119	Going from acute to chronic kidney injury with FoxO3. *Journal of Clinical Investigation*, **2019**, 129, 2192-2194	15.9	4
118	Ascorbic acid-induced TET activation mitigates adverse hydroxymethylcytosine loss in renal cell carcinoma. *Journal of Clinical Investigation*, **2019**, 129, 1612-1625	15.9	47
117	Effective reconstruction of functional organotypic kidney spheroid for in vitro nephrotoxicity studies. *Scientific Reports*, **2019**, 9, 17610	4.9	9
116	The kidney transcriptome, from single cells to whole organs and back. *Current Opinion in Nephrology and Hypertension*, **2019**, 28, 219-226	3.5	6
115	Trans-ethnic association study of blood pressure determinants in over 750,000 individuals. *Nature Genetics*, **2019**, 51, 51-62	36.3	152
114	Allele-specific RNA imaging shows that allelic imbalances can arise in tissues through transcriptional bursting. *PLoS Genetics*, **2019**, 15, e1007874	6	17
113	Associations of Fenofibrate Therapy With Incidence and Progression of CKD in Patients With Type 2 Diabetes. *Kidney International Reports*, **2019**, 4, 94-102	4.1	16

112	The Role of Peroxisome Proliferator-Activated Receptor Coactivator 1 (PGC-1) in Kidney Disease. *Seminars in Nephrology*, **2018**, 38, 121-126	4.8	37
111	Single-cell transcriptomics of the mouse kidney reveals potential cellular targets of kidney disease. *Science*, **2018**, 360, 758-763	33.3	492
110	Screening Drugs for Kidney Disease: Targeting the Podocyte. *Cell Chemical Biology*, **2018**, 25, 126-127	8.2	5
109	Cytosine methylation predicts renal function decline in American Indians. *Kidney International*, **2018**, 93, 1417-1431	9.9	27
108	APOL1: The Balance Imposed by Infection, Selection, and Kidney Disease. *Trends in Molecular Medicine*, **2018**, 24, 682-695	11.5	17
107	Single-cell transcriptomics of the kidney reveals unexpected cellular targets of kidney diseases. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, SY10-2	0	
106	Proteomic Profile of Circulating Inflammatory Proteins Associated with 10-Year Risk of ESRD in T1 and T2 Diabetes Enrichment for TNF Receptor Superfamily Members. *Diabetes*, **2018**, 67, 88-OR	0.9	
105	Epigenetics and Epigenomics: Implications for Diabetes and Obesity. *Diabetes*, **2018**, 67, 1923-1931	0.9	72
104	Renal compartment-specific genetic variation analyses identify new pathways in chronic kidney disease. *Nature Medicine*, **2018**, 24, 1721-1731	50.5	94
103	Jagged1/Notch2 controls kidney fibrosis via Tfam-mediated metabolic reprogramming. *PLoS Biology*, **2018**, 16, e2005233	9.7	36
102	Genomic integration of ERR HNF1 regulates renal bioenergetics and prevents chronic kidney disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E4910-E4919	11.5	19
101	Transgenic expression of human APOL1 risk variants in podocytes induces kidney disease in mice. *Nature Medicine*, **2017**, 23, 429-438	50.5	193
100	Kidney triglyceride accumulation in the fasted mouse is dependent upon serum free fatty acids. *Journal of Lipid Research*, **2017**, 58, 1132-1142	6.3	24
99	Notch Pathway Is Activated via Genetic and Epigenetic Alterations and Is a Therapeutic Target in Clear Cell Renal Cancer. *Journal of Biological Chemistry*, **2017**, 292, 837-846	5.4	28
98	Genetic-Variation-Driven Gene-Expression Changes Highlight Genes with Important Functions for Kidney Disease. *American Journal of Human Genetics*, **2017**, 100, 940-953	11	52
97	Therapeutics for APOL1 nephropathies: putting out the fire in the podocyte. *Nephrology Dialysis Transplantation*, **2017**, 32, i65-i70	4.3	21
96	Precision Medicine Approaches to Diabetic Kidney Disease: Tissue as an Issue. *Current Diabetes Reports*, **2017**, 17, 30	5.6	17
95	Absence of miR-146a in Podocytes Increases Risk of Diabetic Glomerulopathy via Up-regulation of ErbB4 and Notch-1. *Journal of Biological Chemistry*, **2017**, 292, 732-747	5.4	57

94	Human Kidney Tubule-Specific Gene Expression Based Dissection of Chronic Kidney Disease Traits. *EBioMedicine*, **2017**, 24, 267-276	8.8	43
93	Benign and tumor parenchyma metabolomic profiles affect compensatory renal growth in renal cell carcinoma surgical patients. *PLoS ONE*, **2017**, 12, e0180350	3.7	1
92	PGC-1 Protects from Notch-Induced Kidney Fibrosis Development. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 3312-3322	12.7	76
91	A High Fat Diet During Pregnancy and Lactation Induces Cardiac and Renal Abnormalities in GLUT4 +/- Male Mice. *Kidney and Blood Pressure Research*, **2017**, 42, 468-482	3.1	4
90	Epigenome-wide association studies identify DNA methylation associated with kidney function. *Nature Communications*, **2017**, 8, 1286	17.4	92
89	In Utero Exposure to a High-Fat Diet Programs Hepatic Hypermethylation and Gene Dysregulation and Development of Metabolic Syndrome in Male Mice. *Endocrinology*, **2017**, 158, 2860-2872	4.8	29
88	Increasing the level of peroxisome proliferator-activated receptor □coactivator-1□n podocytes results in collapsing glomerulopathy. *JCI Insight*, **2017**, 2,	9.9	30
87	Genome-Wide Association of Copy Number Polymorphisms and Kidney Function. *PLoS ONE*, **2017**, 12, e0170815	3.7	3
86	Effect of benign and tumor parenchyma metabolomic profiles on compensatory renal growth in renal cell carcinoma surgical patients.. *Journal of Clinical Oncology*, **2017**, 35, 446-446	2.2	
85	Deletion of Lkb1 in Renal Tubular Epithelial Cells Leads to CKD by Altering Metabolism. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 439-53	12.7	61
84	Sox9-Positive Progenitor Cells Play a Key Role in Renal Tubule Epithelial Regeneration in Mice. *Cell Reports*, **2016**, 14, 861-871	10.6	101
83	Epithelial Plasticity versus EMT in Kidney Fibrosis. *Trends in Molecular Medicine*, **2016**, 22, 4-6	11.5	40
82	Genome-wide Association Studies Identify Genetic Loci Associated With Albuminuria in Diabetes. *Diabetes*, **2016**, 65, 803-17	0.9	96
81	Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. *Nature Communications*, **2016**, 7, 10023	17.4	295
80	The long noncoding RNA Tug1 connects metabolic changes with kidney disease in podocytes. *Journal of Clinical Investigation*, **2016**, 126, 4072-4075	15.9	45
79	Wnt, Notch, and Tubular Pathology **2016**, 201-207		
78	Validation and genomic interrogation of the MET variant rs11762213 as a predictor of adverse outcomes in clear cell renal cell carcinoma. *Cancer*, **2016**, 122, 402-10	6.4	13
77	Developing Treatments for Chronic Kidney Disease in the 21st Century. *Seminars in Nephrology*, **2016**, 36, 436-447	4.8	32

76	The next generation of therapeutics for chronic kidney disease. *Nature Reviews Drug Discovery*, **2016**, 15, 568-88	64.1	140
75	Fat Burning Problem in Cystic Kidneys: an Emerging Common Mechanism of Chronic Kidney Disease. *EBioMedicine*, **2016**, 5, 22-3	8.8	3
74	Partitioning-Defective 1a/b Depletion Impairs Glomerular and Proximal Tubule Development. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 3725-3737	12.7	6
73	Podocytes: the Weakest Link in Diabetic Kidney Disease?. *Current Diabetes Reports*, **2016**, 16, 45	5.6	101
72	Cell Phenotype Transitions in Renal Fibrosis. *Current Pathobiology Reports*, **2016**, 4, 19-25	2	
71	Developmental signalling pathways in renal fibrosis: the roles of Notch, Wnt and Hedgehog. *Nature Reviews Nephrology*, **2016**, 12, 426-39	14.9	199
70	The evolving understanding of the contribution of lipid metabolism to diabetic kidney disease. *Current Diabetes Reports*, **2015**, 15, 40	5.6	99
69	Notch1 and Notch2 in Podocytes Play Differential Roles During Diabetic Nephropathy Development. *Diabetes*, **2015**, 64, 4099-111	0.9	43
68	Role of DNA methylation in renal cell carcinoma. *Journal of Hematology and Oncology*, **2015**, 8, 88	22.4	53
67	The long noncoding RNA landscape in hypoxic and inflammatory renal epithelial injury. *American Journal of Physiology - Renal Physiology*, **2015**, 309, F901-13	4.3	57
66	Defective fatty acid oxidation in renal tubular epithelial cells has a key role in kidney fibrosis development. *Nature Medicine*, **2015**, 21, 37-46	50.5	628
65	SORBS1 gene, a new candidate for diabetic nephropathy: results from a multi-stage genome-wide association study in patients with type 1 diabetes. *Diabetologia*, **2015**, 58, 543-8	10.3	28
64	Functional genomic annotation of genetic risk loci highlights inflammation and epithelial biology networks in CKD. *Journal of the American Society of Nephrology: JASN*, **2015**, 26, 692-714	12.7	39
63	Diabetic kidney disease. *Nature Reviews Disease Primers*, **2015**, 1, 15018	51.1	241
62	Diet-Induced Podocyte Dysfunction in Drosophila and Mammals. *Cell Reports*, **2015**, 12, 636-47	10.6	59
61	Epigenetics: a new way to look at kidney diseases. *Nephrology Dialysis Transplantation*, **2014**, 29, 1821-7	4.3	42
60	Understanding the epigenetic syntax for the genetic alphabet in the kidney. *Journal of the American Society of Nephrology: JASN*, **2014**, 25, 10-7	12.7	52
59	DNA methylation profile associated with rapid decline in kidney function: findings from the CRIC study. *Nephrology Dialysis Transplantation*, **2014**, 29, 864-72	4.3	94

58	Molecular mechanisms of diabetic kidney disease. *Journal of Clinical Investigation*, **2014**, 124, 2333-40	15.9	456
57	Kick it up a notch: Notch signaling and kidney fibrosis. *Kidney International Supplements*, **2014**, 4, 91-96	6.3	25
56	A multicolor podocyte reporter highlights heterogeneous podocyte changes in focal segmental glomerulosclerosis. *Kidney International*, **2014**, 85, 972-80	9.9	16
55	Kidney cancer is characterized by aberrant methylation of tissue-specific enhancers that are prognostic for overall survival. *Clinical Cancer Research*, **2014**, 20, 4349-60	12.9	54
54	Copy number polymorphisms near SLC2A9 are associated with serum uric acid concentrations. *BMC Genetics*, **2014**, 15, 81	2.6	14
53	Tracking the fate of glomerular epithelial cells in vivo using serial multiphoton imaging in new mouse models with fluorescent lineage tags. *Nature Medicine*, **2013**, 19, 1661-6	50.5	122
52	Cytosine methylation changes in enhancer regions of core pro-fibrotic genes characterize kidney fibrosis development. *Genome Biology*, **2013**, 14, R108	18.3	160
51	Epigenomics: the science of no-longer-junk DNA. Why study it in chronic kidney disease?. *Seminars in Nephrology*, **2013**, 33, 354-62	4.8	21
50	Sirt1-Claudin-1 crosstalk regulates renal function. *Nature Medicine*, **2013**, 19, 1371-2	50.5	18
49	For better or worse: a niche for Notch in parietal epithelial cell activation. *Kidney International*, **2013**, 83, 988-90	9.9	4
48	Adiponectin promotes functional recovery after podocyte ablation. *Journal of the American Society of Nephrology: JASN*, **2013**, 24, 268-82	12.7	105
47	Diabetic nephropathy: a national dialogue. *Clinical Journal of the American Society of Nephrology: CJASN*, **2013**, 8, 1603-5	6.9	10
46	ADCK4 "reenergizes" nephrotic syndrome. *Journal of Clinical Investigation*, **2013**, 123, 4996-9	15.9	17
45	Endocardial to myocardial notch-wnt-bmp axis regulates early heart valve development. *PLoS ONE*, **2013**, 8, e60244	3.7	55
44	Notch signaling in diabetic nephropathy. *Experimental Cell Research*, **2012**, 318, 986-92	4.2	43
43	Repair problems in podocytes: Wnt, Notch, and glomerulosclerosis. *Seminars in Nephrology*, **2012**, 32, 350-6	4.8	38
42	Notch in the kidney: development and disease. *Journal of Pathology*, **2012**, 226, 394-403	9.4	87
41	Emerging role of autophagy in kidney function, diseases and aging. *Autophagy*, **2012**, 8, 1009-31	10.2	195

40	The story of Notch and chronic kidney disease. *Current Opinion in Nephrology and Hypertension*, **2011**, 20, 56-61	3.5	67
39	Fetal environment, epigenetics, and pediatric renal disease. *Pediatric Nephrology*, **2011**, 26, 705-11	3.2	36
38	Wnt/Ecatenin pathway in podocytes integrates cell adhesion, differentiation, and survival. *Journal of Biological Chemistry*, **2011**, 286, 26003-15	5.4	139
37	Transcriptome analysis of human diabetic kidney disease. *Diabetes*, **2011**, 60, 2354-69	0.9	323
36	Tracing the footsteps of glomerular insulin signaling in diabetic kidney disease. *Kidney International* , **2011**, 79, 802-4	9.9	7
35	Getting a notch closer to understanding diabetic kidney disease. *Diabetes*, **2010**, 59, 1865-7	0.9	19
34	Expression of Notch pathway proteins correlates with albuminuria, glomerulosclerosis, and renal function. *Kidney International*, **2010**, 78, 514-22	9.9	128
33	Fine tuning gene expression: the epigenome. *Seminars in Nephrology*, **2010**, 30, 468-76	4.8	33
32	A susceptibility gene for kidney disease in an obese mouse model of type II diabetes maps to chromosome 8. *Kidney International*, **2010**, 78, 453-62	9.9	17
31	Epithelial Notch signaling regulates interstitial fibrosis development in the kidneys of mice and humans. *Journal of Clinical Investigation*, **2010**, 120, 4040-54	15.9	261
30	The pathogenic role of Notch activation in podocytes. *Nephron Experimental Nephrology*, **2009**, 111, e73-9		48
29	Mouse models of diabetic nephropathy. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 2503-12	12.7	400
28	Human and murine kidneys show gender- and species-specific gene expression differences in response to injury. *PLoS ONE*, **2009**, 4, e4802	3.7	49
27	The Notch pathway in podocytes plays a role in the development of glomerular disease. *Nature Medicine*, **2008**, 14, 290-8	50.5	316
26	The role of osteopontin in the development of albuminuria. *Journal of the American Society of Nephrology: JASN*, **2008**, 19, 884-90	12.7	71
25	Smad1 as a biomarker for diabetic nephropathy. *Diabetes*, **2008**, 57, 1459-60	0.9	5
24	Animal models of renal disease. *Kidney International*, **2008**, 73, 526-8	9.9	10
23	Poly(ADP-ribose) polymerase inhibitors ameliorate nephropathy of type 2 diabetic Leprdb/db mice. *Diabetes*, **2006**, 55, 3004-12	0.9	114

22	Diabetic nephropathy: a frontier for personalized medicine. *Journal of the American Society of Nephrology: JASN*, **2006**, 17, 361-7	12.7	68
21	Gene Expression Profiling in the Investigation of Diabetic Nephropathy **2006**, 277-288		
20	Glucose-induced reactive oxygen species cause apoptosis of podocytes and podocyte depletion at the onset of diabetic nephropathy. *Diabetes*, **2006**, 55, 225-33	0.9	447
19	Localization of the GLUT8 glucose transporter in murine kidney and regulation in vivo in nondiabetic and diabetic conditions. *American Journal of Physiology - Renal Physiology*, **2005**, 289, F186-93	4.3	34
18	Multiple metabolic hits converge on CD36 as novel mediator of tubular epithelial apoptosis in diabetic nephropathy. *PLoS Medicine*, **2005**, 2, e45	11.6	139
17	Molecular profiling of diabetic mouse kidney reveals novel genes linked to glomerular disease. *Diabetes*, **2004**, 53, 784-94	0.9	122
16	Genomic strategies for diabetic nephropathy. *Journal of the American Society of Nephrology: JASN*, **2003**, 14, S271-8	12.7	36
15	Smad proteins and transforming growth factor-beta signaling. *Kidney International*, **2000**, 77, S45-52	9.9	76
14	Smad3 and Smad4 mediate transcriptional activation of the human Smad7 promoter by transforming growth factor beta. *Journal of Biological Chemistry*, **2000**, 275, 11320-6	5.4	138
13	Electrogenic H+ pathway contributes to stimulus-induced changes of internal pH and membrane potential in intact neutrophils: role of cytoplasmic phospholipase A2. *Biochemical Journal*, **1997**, 325 (Pt 2), 501-10	3.8	34
12	Arachidonic acid activatable electrogenic H+ transport in the absence of cytochrome b558 in human T lymphocytes. *FEBS Letters*, **1996**, 381, 156-60	3.8	12
11	Ligands of purinergic receptors stimulate electrogenic H(+)-transport of neutrophils. *FEBS Letters*, **1995**, 375, 79-82	3.8	9
10	Renal proximal tubule cell state and metabolism are coupled by nuclear receptors		1
9	Discovery of 318 novel loci for type-2 diabetes and related micro- and macrovascular outcomes among 1.4 million participants in a multi-ethnic meta-analysis		13
8	Iterative transfer learning with neural network for clustering and cell type classification in single-cell RNA-seq analysis		1
7	Renal tubule Cpt1a overexpression protects from kidney fibrosis by restoring mitochondrial homeostasis		3
6	Single cell resolution regulatory landscape of the mouse kidney highlights cellular differentiation programs and renal disease targets		2
5	Mapping the genetic architecture of human traits to cell types in the kidney identifies mechanisms of disease and potential treatments		1

4	Comprehensive single cell RNAseq analysis of the kidney reveals novel cell types and unexpected cell plasticity	4
3	Bulk Tissue Cell Type Deconvolution with Multi-Subject Single-Cell Expression Reference	1
2	Genome-wide association study of diabetic kidney disease highlights biology involved in renal basement membrane collagen	2
1	Deep learning enables accurate clustering and batch effect removal in single-cell RNA-seq analysis	4