

Matthias Kretzler

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324
papers

22,481
citations

81
h-index

140
g-index

356
ext. papers

27,169
ext. citations

8.7
avg, IF

6.34
L-index

#	Paper	IF	Citations
324	A reference panel of 64,976 haplotypes for genotype imputation. <i>Nature Genetics</i> , 2016 , 48, 1279-83	36.3	1447
323	Cell biology of the glomerular podocyte. <i>Physiological Reviews</i> , 2003 , 83, 253-307	47.9	1113
322	Netting neutrophils induce endothelial damage, infiltrate tissues, and expose immunostimulatory molecules in systemic lupus erythematosus. <i>Journal of Immunology</i> , 2011 , 187, 538-52	5.3	793
321	Hypoxia promotes fibrogenesis in vivo via HIF-1 stimulation of epithelial-to-mesenchymal transition. <i>Journal of Clinical Investigation</i> , 2007 , 117, 3810-20	15.9	647
320	Global kidney health 2017 and beyond: a roadmap for closing gaps in care, research, and policy. <i>Lancet, The</i> , 2017 , 390, 1888-1917	40	419
319	Modification of kidney barrier function by the urokinase receptor. <i>Nature Medicine</i> , 2008 , 14, 55-63	50.5	410
318	Induction of B7-1 in podocytes is associated with nephrotic syndrome. <i>Journal of Clinical Investigation</i> , 2004 , 113, 1390-7	15.9	408
317	Mouse models of diabetic nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 2503-12	12.7	400
316	Role of mTOR in podocyte function and diabetic nephropathy in humans and mice. <i>Journal of Clinical Investigation</i> , 2011 , 121, 2197-209	15.9	384
315	mTORC1 activation in podocytes is a critical step in the development of diabetic nephropathy in mice. <i>Journal of Clinical Investigation</i> , 2011 , 121, 2181-96	15.9	383
314	The glomerular slit diaphragm is a modified adherens junction. <i>Journal of the American Society of Nephrology: JASN</i> , 2000 , 11, 1-8	12.7	339
313	Modular activation of nuclear factor-kappaB transcriptional programs in human diabetic nephropathy. <i>Diabetes</i> , 2006 , 55, 2993-3003	0.9	312
312	Research capacity. Enabling the genomic revolution in Africa. <i>Science</i> , 2014 , 344, 1346-8	33.3	256
311	The immune cell landscape in kidneys of patients with lupus nephritis. <i>Nature Immunology</i> , 2019 , 20, 902-914	19.1	254
310	Induction of TRPC6 channel in acquired forms of proteinuric kidney disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2007 , 18, 29-36	12.7	233
309	Decrease and gain of gene expression are equally discriminatory markers for prostate carcinoma: a gene expression analysis on total and microdissected prostate tissue. <i>American Journal of Pathology</i> , 2002 , 160, 2169-80	5.8	225
308	Enhanced expression of Janus kinase-signal transducer and activator of transcription pathway members in human diabetic nephropathy. <i>Diabetes</i> , 2009 , 58, 469-77	0.9	222

307	From fibrosis to sclerosis: mechanisms of glomerulosclerosis in diabetic nephropathy. <i>Diabetes</i> , 2008 , 57, 1439-45	0.9	219
306	High-Throughput Screening Enhances Kidney Organoid Differentiation from Human Pluripotent Stem Cells and Enables Automated Multidimensional Phenotyping. <i>Cell Stem Cell</i> , 2018 , 22, 929-940.e4	18	209
305	Early glomerular filtration defect and severe renal disease in podocin-deficient mice. <i>Molecular and Cellular Biology</i> , 2004 , 24, 550-60	4.8	207
304	Tissue transcriptome-driven identification of epidermal growth factor as a chronic kidney disease biomarker. <i>Science Translational Medicine</i> , 2015 , 7, 316ra193	17.5	202
303	Quantitative gene expression analysis in renal biopsies: a novel protocol for a high-throughput multicenter application. <i>Kidney International</i> , 2002 , 61, 133-40	9.9	195
302	Proteinuria and hyperglycemia induce endoplasmic reticulum stress. <i>Journal of the American Society of Nephrology: JASN</i> , 2008 , 19, 2225-36	12.7	194
301	Fibroblast growth factor 23 and Inflammation in CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2012 , 7, 1155-62	6.9	191
300	Viral double-stranded RNA aggravates lupus nephritis through Toll-like receptor 3 on glomerular mesangial cells and antigen-presenting cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 1326-38	12.7	188
299	Interstitial vascular rarefaction and reduced VEGF-A expression in human diabetic nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2007 , 18, 1765-76	12.7	186
298	Activation of toll-like receptor-9 induces progression of renal disease in MRL-Fas(lpr) mice. <i>FASEB Journal</i> , 2004 , 18, 534-6	0.9	184
297	Design of the Nephrotic Syndrome Study Network (NEPTUNE) to evaluate primary glomerular nephropathy by a multidisciplinary approach. <i>Kidney International</i> , 2013 , 83, 749-56	9.9	177
296	Nomenclature for kidney function and disease: report of a Kidney Disease: Improving Global Outcomes (KDIGO) Consensus Conference. <i>Kidney International</i> , 2020 , 97, 1117-1129	9.9	176
295	Loss of the tumor suppressor Vhlh leads to upregulation of Cxcr4 and rapidly progressive glomerulonephritis in mice. <i>Nature Medicine</i> , 2006 , 12, 1081-7	50.5	171
294	Proteolytic processing of dynamin by cytoplasmic cathepsin L is a mechanism for proteinuric kidney disease. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2095-104	15.9	162
293	Re-expression of the developmental gene Pax-2 during experimental acute tubular necrosis in mice 1. <i>Kidney International</i> , 1999 , 56, 1423-31	9.9	152
292	Defining cell-type specificity at the transcriptional level in human disease. <i>Genome Research</i> , 2013 , 23, 1862-73	9.7	139
291	A signature of circulating inflammatory proteins and development of end-stage renal disease in diabetes. <i>Nature Medicine</i> , 2019 , 25, 805-813	50.5	136
290	Novel role of toll-like receptor 3 in hepatitis C-associated glomerulonephritis. <i>American Journal of Pathology</i> , 2006 , 168, 370-85	5.8	136

289	Inflammasome activation of IL-18 results in endothelial progenitor cell dysfunction in systemic lupus erythematosus. <i>Journal of Immunology</i> , 2011 , 187, 6143-56	5.3	135
288	Identification of cross-species shared transcriptional networks of diabetic nephropathy in human and mouse glomeruli. <i>Diabetes</i> , 2013 , 62, 299-308	0.9	133
287	Tissue-specific metabolic reprogramming drives nutrient flux in diabetic complications. <i>JCI Insight</i> , 2016 , 1, e86976	9.9	132
286	Podocyte-specific deletion of integrin-linked kinase results in severe glomerular basement membrane alterations and progressive glomerulosclerosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2006 , 17, 1334-44	12.7	124
285	Validation of endogenous controls for gene expression analysis in microdissected human renal biopsies. <i>Kidney International</i> , 2003 , 64, 356-60	9.9	124
284	Modification of the transcriptomic response to renal ischemia/reperfusion injury by lipoxin analog. <i>Kidney International</i> , 2003 , 64, 480-92	9.9	123
283	Cross-species transcriptional network analysis defines shared inflammatory responses in murine and human lupus nephritis. <i>Journal of Immunology</i> , 2012 , 189, 988-1001	5.3	122
282	Urine podocyte mRNAs mark progression of renal disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 1041-52	12.7	120
281	Role of podocytes for reversal of glomerulosclerosis and proteinuria in the aging kidney after endothelin inhibition. <i>Hypertension</i> , 2004 , 44, 974-81	8.5	119
280	Bioinformatic analysis of the urine proteome of acute allograft rejection. <i>Journal of the American Society of Nephrology: JASN</i> , 2004 , 15, 3240-8	12.7	119
279	JAK1/JAK2 inhibition by baricitinib in diabetic kidney disease: results from a Phase 2 randomized controlled clinical trial. <i>Nephrology Dialysis Transplantation</i> , 2018 , 33, 1950-1959	4.3	118
278	CCR1 blockade reduces interstitial inflammation and fibrosis in mice with glomerulosclerosis and nephrotic syndrome. <i>Kidney International</i> , 2004 , 66, 2264-78	9.9	112
277	Chemokine receptor CCR1 but not CCR5 mediates leukocyte recruitment and subsequent renal fibrosis after unilateral ureteral obstruction. <i>Journal of the American Society of Nephrology: JASN</i> , 2004 , 15, 337-47	12.7	111
276	Gene expression profiles of podocyte-associated molecules as diagnostic markers in acquired proteinuric diseases. <i>Journal of the American Society of Nephrology: JASN</i> , 2003 , 14, 2958-66	12.7	111
275	Toll-like receptor-7 modulates immune complex glomerulonephritis. <i>Journal of the American Society of Nephrology: JASN</i> , 2006 , 17, 141-9	12.7	110
274	A unique hybrid renal mononuclear phagocyte activation phenotype in murine systemic lupus erythematosus nephritis. <i>Journal of Immunology</i> , 2011 , 186, 4994-5003	5.3	108
273	MicroRNA-21 in glomerular injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 805-16	12.7	107
272	The identification of gene expression profiles associated with progression of human diabetic neuropathy. <i>Brain</i> , 2011 , 134, 3222-35	11.2	106

271	Divergent functions of the Rho GTPases Rac1 and Cdc42 in podocyte injury. <i>Kidney International</i> , 2013 , 84, 920-30	9.9	105
270	Expression of gremlin, a bone morphogenetic protein antagonist, in human diabetic nephropathy. <i>American Journal of Kidney Diseases</i> , 2005 , 45, 1034-9	7.4	103
269	Antitumoral activity of rapamycin in renal angiomyolipoma associated with tuberous sclerosis complex. <i>American Journal of Kidney Diseases</i> , 2006 , 48, e27-9	7.4	102
268	A reassessment of soluble urokinase-type plasminogen activator receptor in glomerular disease. <i>Kidney International</i> , 2015 , 87, 564-74	9.9	101
267	Expression and regulation of Toll-like receptors in lupus-like immune complex glomerulonephritis of MRL-Fas(lpr) mice. <i>Nephrology Dialysis Transplantation</i> , 2006 , 21, 3062-73	4.3	100
266	Cyclodextrin protects podocytes in diabetic kidney disease. <i>Diabetes</i> , 2013 , 62, 3817-27	0.9	98
265	The detrimental effects of IFN- γ on vasculogenesis in lupus are mediated by repression of IL-1 pathways: potential role in atherogenesis and renal vascular rarefaction. <i>Journal of Immunology</i> , 2010 , 185, 4457-69	5.3	98
264	Vascular endothelial growth factor production and regulation in human peritoneal mesothelial cells. <i>Kidney International</i> , 2002 , 61, 570-8	9.9	98
263	Sphingomyelinase-like phosphodiesterase 3b expression levels determine podocyte injury phenotypes in glomerular disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 133-47 ^{12.7}	12.7	97
262	Late onset of treatment with a chemokine receptor CCR1 antagonist prevents progression of lupus nephritis in MRL-Fas(lpr) mice. <i>Journal of the American Society of Nephrology: JASN</i> , 2004 , 15, 1504-13	12.7	95
261	Integrin-linked kinase as a candidate downstream effector in proteinuria. <i>FASEB Journal</i> , 2001 , 15, 1843-5.9	5.9	95
260	Alteration of forkhead box O (foxo4) acetylation mediates apoptosis of podocytes in diabetes mellitus. <i>PLoS ONE</i> , 2011 , 6, e23566	3.7	95
259	Comparative promoter analysis allows de novo identification of specialized cell junction-associated proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 5682-7 ^{11.5}	11.5	92
258	Bacterial CpG-DNA aggravates immune complex glomerulonephritis: role of TLR9-mediated expression of chemokines and chemokine receptors. <i>Journal of the American Society of Nephrology: JASN</i> , 2003 , 14, 317-26	12.7	92
257	CXCR3 is involved in tubulointerstitial injury in human glomerulonephritis. <i>American Journal of Pathology</i> , 2004 , 164, 635-49	5.8	92
256	Localization of APOL1 protein and mRNA in the human kidney: nondiseased tissue, primary cells, and immortalized cell lines. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 339-48	12.7	91
255	The death ligand TRAIL in diabetic nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2008 , 19, 904-14	12.7	87
254	The contribution of B cells to renal interstitial inflammation. <i>American Journal of Pathology</i> , 2007 , 170, 457-68	5.8	87

253	JAK inhibition in the treatment of diabetic kidney disease. <i>Diabetologia</i> , 2016 , 59, 1624-7	10.3	86
252	A molecular profile of focal segmental glomerulosclerosis from formalin-fixed, paraffin-embedded tissue. <i>American Journal of Pathology</i> , 2010 , 177, 1674-86	5.8	85
251	Local TNF causes NFATc1-dependent cholesterol-mediated podocyte injury. <i>Journal of Clinical Investigation</i> , 2016 , 126, 3336-50	15.9	85
250	Genome-Wide Association and Trans-ethnic Meta-Analysis for Advanced Diabetic Kidney Disease: Family Investigation of Nephropathy and Diabetes (FIND). <i>PLoS Genetics</i> , 2015 , 11, e1005352	6	84
249	Lupus nephritis susceptibility loci in women with systemic lupus erythematosus. <i>Journal of the American Society of Nephrology: JASN</i> , 2014 , 25, 2859-70	12.7	83
248	Integrative biology identifies shared transcriptional networks in CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2014 , 25, 2559-72	12.7	83
247	Delayed chemokine receptor 1 blockade prolongs survival in collagen 4A3-deficient mice with Alport disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 977-85	12.7	83
246	Single-cell analysis of progenitor cell dynamics and lineage specification in the human fetal kidney. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	83
245	Growth Differentiation Factor-15 and Risk of CKD Progression. <i>Journal of the American Society of Nephrology: JASN</i> , 2017 , 28, 2233-2240	12.7	82
244	Kindlin-2 regulates podocyte adhesion and fibronectin matrix deposition through interactions with phosphoinositides and integrins. <i>Journal of Cell Science</i> , 2011 , 124, 879-91	5.3	82
243	The MIF receptor CD74 in diabetic podocyte injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 353-62	12.7	81
242	Human nephrosclerosis triggers a hypoxia-related glomerulopathy. <i>American Journal of Pathology</i> , 2010 , 176, 594-607	5.8	79
241	Toll-like receptor-4: renal cells and bone marrow cells signal for neutrophil recruitment during pyelonephritis. <i>Kidney International</i> , 2005 , 68, 2582-7	9.9	79
240	Integrative Genomics Identifies Novel Associations with APOL1 Risk Genotypes in Black NEPTUNE Subjects. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 814-23	12.7	78
239	An eQTL Landscape of Kidney Tissue in Human Nephrotic Syndrome. <i>American Journal of Human Genetics</i> , 2018 , 103, 232-244	11	78
238	Laser microdissection and gene expression analysis on formaldehyde-fixed archival tissue. <i>Kidney International</i> , 2002 , 61, 125-32	9.9	78
237	NFkappaB promotes inflammation, coagulation, and fibrosis in the aging glomerulus. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 587-97	12.7	76
236	Transcriptional profiling of diabetic neuropathy in the BKS db/db mouse: a model of type 2 diabetes. <i>Diabetes</i> , 2011 , 60, 1981-9	0.9	74

235	Roles of SLC/CCL21 and CCR7 in human kidney for mesangial proliferation, migration, apoptosis, and tissue homeostasis. <i>Journal of Immunology</i> , 2002 , 168, 4301-7	5.3	74
234	Targeted glomerular angiopoietin-1 therapy for early diabetic kidney disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2014 , 25, 33-42	12.7	72
233	The ubiquitin-like protein FAT10 mediates NF-kappaB activation. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 316-26	12.7	70
232	Metabolomics and Gene Expression Analysis Reveal Down-regulation of the Citric Acid (TCA) Cycle in Non-diabetic CKD Patients. <i>EBioMedicine</i> , 2017 , 26, 68-77	8.8	68
231	Gene expression fingerprints in human tubulointerstitial inflammation and fibrosis as prognostic markers of disease progression. <i>Kidney International</i> , 2004 , 65, 904-17	9.9	68
230	A chemokine receptor CCR-1 antagonist reduces renal fibrosis after unilateral ureter ligation. <i>Journal of Clinical Investigation</i> , 2002 , 109, 251-9	15.9	68
229	Genome-Wide Association Study of Diabetic Kidney Disease Highlights Biology Involved in Glomerular Basement Membrane Collagen. <i>Journal of the American Society of Nephrology: JASN</i> , 2019 , 30, 2000-2016	12.7	66
228	Functional consequences of integrin-linked kinase activation in podocyte damage. <i>Kidney International</i> , 2005 , 67, 514-23	9.9	66
227	Inflammation and elevated levels of fibroblast growth factor 23 are independent risk factors for death in chronic kidney disease. <i>Kidney International</i> , 2017 , 91, 711-719	9.9	65
226	Regulation of adhesive interaction between podocytes and glomerular basement membrane. <i>Microscopy Research and Technique</i> , 2002 , 57, 247-53	2.8	64
225	Chemokine and chemokine receptor expression during initiation and resolution of immune complex glomerulonephritis. <i>Journal of the American Society of Nephrology: JASN</i> , 2001 , 12, 919-931	12.7	64
224	Periostin is induced in glomerular injury and expressed de novo in interstitial renal fibrosis. <i>American Journal of Pathology</i> , 2011 , 179, 1756-67	5.8	63
223	BASP1 promotes apoptosis in diabetic nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 610-21	12.7	63
222	Rosiglitazone reduces renal and plasma markers of oxidative injury and reverses urinary metabolite abnormalities in the amelioration of diabetic nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, F1071-81	4.3	63
221	Improved elucidation of biological processes linked to diabetic nephropathy by single probe-based microarray data analysis. <i>PLoS ONE</i> , 2008 , 3, e2937	3.7	62
220	A frequent pathway to glomerulosclerosis: deterioration of tuft architecture-podocyte damage-segmental sclerosis. <i>Kidney and Blood Pressure Research</i> , 1996 , 19, 245-53	3.1	60
219	Defining human diabetic nephropathy on the molecular level: integration of transcriptomic profiles with biological knowledge. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2008 , 9, 267-74	10.5	59
218	PDGF-C expression in the developing and normal adult human kidney and in glomerular diseases. <i>Journal of the American Society of Nephrology: JASN</i> , 2003 , 14, 1145-53	12.7	59

217	Systematically differentiating functions for alternatively spliced isoforms through integrating RNA-seq data. <i>PLoS Computational Biology</i> , 2013 , 9, e1003314	5	58
216	Systematic analysis of a novel human renal glomerulus-enriched gene expression dataset. <i>PLoS ONE</i> , 2010 , 5, e11545	3.7	58
215	Absence of miR-146a in Podocytes Increases Risk of Diabetic Glomerulopathy via Up-regulation of ErbB4 and Notch-1. <i>Journal of Biological Chemistry</i> , 2017 , 292, 732-747	5.4	57
214	Digital pathology evaluation in the multicenter Nephrotic Syndrome Study Network (NEPTUNE). <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2013 , 8, 1449-59	6.9	55
213	GDF-15, Galectin 3, Soluble ST2, and Risk of Mortality and Cardiovascular Events in CKD. <i>American Journal of Kidney Diseases</i> , 2018 , 72, 519-528	7.4	54
212	Renal gene and protein expression signatures for prediction of kidney disease progression. <i>American Journal of Pathology</i> , 2009 , 174, 2073-85	5.8	54
211	Formation and phosphorylation of the PINCH-1-integrin linked kinase-alpha-parvin complex are important for regulation of renal glomerular podocyte adhesion, architecture, and survival. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 1966-76	12.7	54
210	LRG1 Promotes Diabetic Kidney Disease Progression by Enhancing TGF--Induced Angiogenesis. <i>Journal of the American Society of Nephrology: JASN</i> , 2019 , 30, 546-562	12.7	53
209	ATP-binding cassette A1 deficiency causes cardiolipin-driven mitochondrial dysfunction in podocytes. <i>Journal of Clinical Investigation</i> , 2019 , 129, 3387-3400	15.9	53
208	Single cell transcriptomics identifies focal segmental glomerulosclerosis remission endothelial biomarker. <i>JCI Insight</i> , 2020 , 5,	9.9	52
207	Detection of multiple vascular endothelial growth factor splice isoforms in single glomerular podocytes. <i>Kidney International</i> , 1998 , 67, S159-61	9.9	51
206	IHG-1 amplifies TGF-beta1 signaling and is increased in renal fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2008 , 19, 1672-80	12.7	51
205	Gene expression profiling analysis in nephrology: towards molecular definition of renal disease. <i>Clinical and Experimental Nephrology</i> , 2006 , 10, 91-8	2.5	51
204	A molecular signature of proteinuria in glomerulonephritis. <i>PLoS ONE</i> , 2010 , 5, e13451	3.7	50
203	Differential expression of profibrotic and growth factors in chronic allograft nephropathy. <i>Transplantation</i> , 2006 , 81, 342-9	1.8	50
202	Intrarenal production of B-cell survival factors in human lupus nephritis. <i>Modern Pathology</i> , 2011 , 24, 98-107	9.8	49
201	Interstitial fibrosis scored on whole-slide digital imaging of kidney biopsies is a predictor of outcome in proteinuric glomerulopathies. <i>Nephrology Dialysis Transplantation</i> , 2018 , 33, 310-318	4.3	48
200	CD20-positive infiltrates in human membranous glomerulonephritis. <i>Journal of Nephrology</i> , 2005 , 18, 328-33	4.8	48

199	Glomerular podocytes possess the synaptic vesicle molecule Rab3A and its specific effector rabphilin-3a. <i>American Journal of Pathology</i> , 2003 , 163, 889-99	5.8	47
198	Repuncturing the renal biopsy: strategies for molecular diagnosis in nephrology. <i>Journal of the American Society of Nephrology: JASN</i> , 2002 , 13, 1961-72	12.7	47
197	Altered gene expression and functions of mitochondria in human nephrotic syndrome. <i>FASEB Journal</i> , 1999 , 13, 523-32	0.9	47
196	Podocyte-specific JAK2 overexpression worsens diabetic kidney disease in mice. <i>Kidney International</i> , 2017 , 92, 909-921	9.9	46
195	Organoid single cell profiling identifies a transcriptional signature of glomerular disease. <i>JCI Insight</i> , 2019 , 4,	9.9	46
194	Post-translational and cell type-specific regulation of CXCR4 expression by cytokines. <i>European Journal of Immunology</i> , 2003 , 33, 3028-37	6.1	44
193	BK virus associated nephropathy in native kidneys of a heart allograft recipient. <i>American Journal of Transplantation</i> , 2005 , 5, 1562-8	8.7	44
192	Spatial and temporally restricted expression of chemokines and chemokine receptors in the developing human kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2002 , 13, 957-967	12.7	43
191	The genetic architecture of membranous nephropathy and its potential to improve non-invasive diagnosis. <i>Nature Communications</i> , 2020 , 11, 1600	17.4	42
190	Influence of native and hypochlorite-modified low-density lipoprotein on gene expression in human proximal tubular epithelium. <i>American Journal of Pathology</i> , 2004 , 164, 2175-87	5.8	42
189	APOL1-associated glomerular disease among African-American children: a collaboration of the Chronic Kidney Disease in Children (CKiD) and Nephrotic Syndrome Study Network (NEPTUNE) cohorts. <i>Nephrology Dialysis Transplantation</i> , 2017 , 32, 983-990	4.3	42
188	Hydroxypropyl-β-cyclodextrin protects from kidney disease in experimental Alport syndrome and focal segmental glomerulosclerosis. <i>Kidney International</i> , 2018 , 94, 1151-1159	9.9	42
187	Metabolic pathways and immunometabolism in rare kidney diseases. <i>Annals of the Rheumatic Diseases</i> , 2018 , 77, 1226-1233	2.4	41
186	Transethnic, Genome-Wide Analysis Reveals Immune-Related Risk Alleles and Phenotypic Correlates in Pediatric Steroid-Sensitive Nephrotic Syndrome. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 2000-2013	12.7	41
185	FSGS as an Adaptive Response to Growth-Induced Podocyte Stress. <i>Journal of the American Society of Nephrology: JASN</i> , 2017 , 28, 2931-2945	12.7	41
184	The Metabolic Syndrome and Microvascular Complications in a Murine Model of Type 2 Diabetes. <i>Diabetes</i> , 2015 , 64, 3294-304	0.9	41
183	Reproducibility of the NEPTUNE descriptor-based scoring system on whole-slide images and histologic and ultrastructural digital images. <i>Modern Pathology</i> , 2016 , 29, 671-84	9.8	41
182	Bcl-2-modifying factor induces renal proximal tubular cell apoptosis in diabetic mice. <i>Diabetes</i> , 2012 , 61, 474-84	0.9	40

181	Palladin is a dynamic actin-associated protein in podocytes. <i>Kidney International</i> , 2009 , 75, 214-26	9.9	40
180	COVID-19 and Diabetes: A Collision and Collusion of Two Diseases. <i>Diabetes</i> , 2020 , 69, 2549-2565	0.9	40
179	Transcriptome-based network analysis reveals renal cell type-specific dysregulation of hypoxia-associated transcripts. <i>Scientific Reports</i> , 2017 , 7, 8576	4.9	39
178	The peroxisome proliferator-activated receptor gamma agonist pioglitazone improves cardiometabolic risk and renal inflammation in murine lupus. <i>Journal of Immunology</i> , 2009 , 183, 2729-40	5.3	39
177	Differential regulation of chemokine CCL5 expression in monocytes/macrophages and renal cells by Y-box protein-1. <i>Kidney International</i> , 2009 , 75, 185-96	9.9	39
176	Integrin-linked kinase in renal disease: connecting cell-matrix interaction to the cytoskeleton. <i>Current Opinion in Nephrology and Hypertension</i> , 2005 , 14, 404-10	3.5	39
175	CureGN Study Rationale, Design, and Methods: Establishing a Large Prospective Observational Study of Glomerular Disease. <i>American Journal of Kidney Diseases</i> , 2019 , 73, 218-229	7.4	39
174	MultiPLIER: A Transfer Learning Framework for Transcriptomics Reveals Systemic Features of Rare Disease. <i>Cell Systems</i> , 2019 , 8, 380-394.e4	10.6	38
173	Reduced intragraft mRNA expression of matrix metalloproteinases Mmp3, Mmp12, Mmp13 and Adam8, and diminished transplant arteriosclerosis in Ccr5-deficient mice. <i>European Journal of Immunology</i> , 2004 , 34, 2568-78	6.1	38
172	Comparative transcriptional profiling of 3 murine models of SLE nephritis reveals both unique and shared regulatory networks. <i>PLoS ONE</i> , 2013 , 8, e77489	3.7	38
171	Complete Remission in the Nephrotic Syndrome Study Network. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016 , 11, 81-9	6.9	37
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- 1 Micro-dissection and integration of long and short reads to create a robust catalog of kidney compartment-specific isoforms.. *PLoS Computational Biology*, **2022**, 18, e1010040 5