

Single-cell transcriptomics of the mouse kidney reveals kidney disease

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Whole-kidney single-cell transcriptomics identifies new cell types. <i>Nature Reviews Nephrology</i> , 2018, 14, 353-353.	4.1	1
2	15th International Symposium on IgANephropathy – IgANN 2018, Buenos Aires, September 27-29, 2018: Summaries. <i>Kidney Diseases (Basel, Switzerland)</i> , 2018, 4, 145-194.	1.2	2
3	Brain Theranostics and Radiotheranostics: Exosomes and Graphenes In Vivo as Novel Brain Theranostics. <i>Nuclear Medicine and Molecular Imaging</i> , 2018, 52, 407-419.	0.6	8
4	Exploring Coronary Artery Disease GWAs Targets With Functional Links to Immunometabolism. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 148.	1.1	10
5	Comparative Analysis and Refinement of Human PSC-Derived Kidney Organoid Differentiation with Single-Cell Transcriptomics. <i>Cell Stem Cell</i> , 2018, 23, 869-881.e8.	5.2	419
6	Understanding the Biology and Pathogenesis of the Kidney by Single-Cell Transcriptomic Analysis. <i>Kidney Diseases (Basel, Switzerland)</i> , 2018, 4, 214-225.	1.2	5
7	An integrative systems biology approach for precision medicine in diabetic kidney disease. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 6-13.	2.2	26
8	Regarding –Combination of pediatric and adult formulas yield valid glomerular filtration–rate estimates in young–Adults with a history of pediatric chronic kidney disease–. <i>Kidney International</i> , 2018, 94, 827-828.	2.6	2
9	Are congenital anomalies of the kidney and urinary tract part of the SOX11 syndrome?. <i>Kidney International</i> , 2018, 94, 826-827.	2.6	1
10	Renal compartment–specific genetic variation analyses identify new pathways in chronic kidney disease. <i>Nature Medicine</i> , 2018, 24, 1721-1731.	15.2	170
11	Gene Pathways Analysis of the Effects of Suspension Culture on Primary Human Renal Proximal Tubular Cells. <i>Microgravity Science and Technology</i> , 2018, 30, 951-963.	0.7	3
12	The author replies. <i>Kidney International</i> , 2018, 94, 827.	2.6	1
13	Large-scale reconstruction of cell lineages using single-cell readout of transcriptomes and CRISPR–Cas9 barcodes by scGESTALT. <i>Nature Protocols</i> , 2018, 13, 2685-2713.	5.5	55
14	Kidney-resident macrophages promote a proangiogenic environment in the normal and chronically ischemic mouse kidney. <i>Scientific Reports</i> , 2018, 8, 13948.	1.6	73
15	Jagged1/Notch2 controls kidney fibrosis via Tfam-mediated metabolic reprogramming. <i>PLoS Biology</i> , 2018, 16, e2005233.	2.6	51
16	Single-cell genomics to guide human stem cell and tissue engineering. <i>Nature Methods</i> , 2018, 15, 661-667.	9.0	52
17	Joint profiling of chromatin accessibility and gene expression in thousands of single cells. <i>Science</i> , 2018, 361, 1380-1385.	6.0	683
18	Mapping kidney cellular complexity. <i>Science</i> , 2018, 360, 709-710.	6.0	15

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19	Single-cell RNA sequencing for the study of development, physiology and disease. <i>Nature Reviews Nephrology</i> , 2018, 14, 479-492.	4.1	369
20	H ⁺ -ATPase B1 subunit localizes to thick ascending limb and distal convoluted tubule of rodent and human kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F429-F444.	1.3	15
21	A Single-Cell Atlas of In Vivo Mammalian Chromatin Accessibility. <i>Cell</i> , 2018, 174, 1309-1324.e18.	13.5	620
22	Emerging Kidney Models to Investigate Metabolism, Transport, and Toxicity of Drugs and Xenobiotics. <i>Drug Metabolism and Disposition</i> , 2018, 46, 1692-1702.	1.7	64
23	Single-Cell Sequencing the Glomerulus, Unraveling the Molecular Programs of Glomerular Filtration, One Cell at a Time. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 2036-2038.	3.0	4
24	Single-Cell Transcriptomics of a Human Kidney Allograft Biopsy Specimen Defines a Diverse Inflammatory Response. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 2069-2080.	3.0	281
25	Single-Cell Multi-omics: An Engine for New Quantitative Models of Gene Regulation. <i>Trends in Genetics</i> , 2018, 34, 653-665.	2.9	86
26	Physiology of renal glucose handling via SGLT1, SGLT2 and GLUT2. <i>Diabetologia</i> , 2018, 61, 2087-2097.	2.9	206
27	Understanding Podocyte Biology to Develop Novel Kidney Therapeutics. <i>Frontiers in Endocrinology</i> , 2018, 9, 409.	1.5	29
28	Tracing Renal Cell Carcinomas back to the Nephron. <i>Trends in Cancer</i> , 2018, 4, 472-484.	3.8	17
29	Cellular and molecular mechanisms of kidney fibrosis. <i>Molecular Aspects of Medicine</i> , 2019, 65, 16-36.	2.7	289
30	BBKNN: fast batch alignment of single cell transcriptomes. <i>Bioinformatics</i> , 2020, 36, 964-965.	1.8	517
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32	DNA Damage Repair and DNA Methylation in the Kidney. <i>American Journal of Nephrology</i> , 2019, 50, 81-91.	1.4	21
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35	Generation of Human PSC-Derived Kidney Organoids with Patterned Nephron Segments and a De Novo Vascular Network. <i>Cell Stem Cell</i> , 2019, 25, 373-387.e9.	5.2	219
36	Understanding the kidney one cell at a time. <i>Kidney International</i> , 2019, 96, 862-870.	2.6	45

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37	Single-cell RNA sequencing for the study of lupus nephritis. <i>Lupus Science and Medicine</i> , 2019, 6, e000329.	1.1	6
38	A single-nucleus RNA-sequencing pipeline to decipher the molecular anatomy and pathophysiology of human kidneys. <i>Nature Communications</i> , 2019, 10, 2832.	5.8	206
39	Renal-Tubule Epithelial Cell Nomenclature for Single-Cell RNA-Sequencing Studies. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 1358-1364.	3.0	79
40	Structure-preserving visualisation of high dimensional single-cell datasets. <i>Scientific Reports</i> , 2019, 9, 8914.	1.6	59
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42	Single-Cell Omics for Drug Discovery and Development. , 2019, , 197-220.		0
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51	Genomic Mismatch at <i>LIMS1</i> Locus and Kidney Allograft Rejection. <i>New England Journal of Medicine</i> , 2019, 381, e16.	13.9	3
52	Inactivation of <i>Tsc2</i> in <i>Abcg2</i> lineage-derived cells drives the appearance of polycystic lesions and fibrosis in the adult kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F1201-F1210.	1.3	4
53	Cytosine Methylation Studies in Patients with Diabetic Kidney Disease. <i>Current Diabetes Reports</i> , 2019, 19, 91.	1.7	10
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56	Spatiotemporal immune zonation of the human kidney. <i>Science</i> , 2019, 365, 1461-1466.	6.0	281
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62	Genetics of Blood Pressure Regulation: Possible Paths in the Labyrinth. <i>American Journal of Kidney Diseases</i> , 2019, 74, 421-424.	2.1	1
63	Subpopulation Detection and Their Comparative Analysis across Single-Cell Experiments with scPopCorn. <i>Cell Systems</i> , 2019, 8, 506-513.e5.	2.9	13
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73	Salt-sensitive transcriptome of isolated kidney distal tubule cells. <i>Physiological Genomics</i> , 2019, 51, 125-135.	1.0	8
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83	Research in Computational Molecular Biology. <i>Lecture Notes in Computer Science</i> , 2019, , .	1.0	0
84	Spatial heterogeneity in the mammalian liver. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2019, 16, 395-410.	8.2	282
85	Label-Free Electrochemical Sensor for CD44 by Ligand-Protein Interaction. <i>Analytical Chemistry</i> , 2019, 91, 7078-7085.	3.2	77
86	Single-Cell RNA Sequencing Identifies Candidate Renal Resident Macrophage Gene Expression Signatures across Species. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 767-781.	3.0	126
87	DoubletFinder: Doublet Detection in Single-Cell RNA Sequencing Data Using Artificial Nearest Neighbors. <i>Cell Systems</i> , 2019, 8, 329-337.e4.	2.9	1,648
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106	Cullin-Ring ubiquitin ligases in kidney health and disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2019, 28, 490-497.	1.0	6
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120	Kidney and organoid single-cell transcriptomics: the end of the beginning. <i>Pediatric Nephrology</i> , 2020, 35, 191-197.	0.9	21
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128	Using single-cell technologies to map the human immune system – implications for nephrology. <i>Nature Reviews Nephrology</i> , 2020, 16, 112-128.	4.1	39
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130	MARS: discovering novel cell types across heterogeneous single-cell experiments. <i>Nature Methods</i> , 2020, 17, 1200-1206.	9.0	90
131	Kidney Single-Cell Atlas Reveals Myeloid Heterogeneity in Progression and Regression of Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 2833-2854.	3.0	113
132	SERGIO: A Single-Cell Expression Simulator Guided by Gene Regulatory Networks. <i>Cell Systems</i> , 2020, 11, 252-271.e11.	2.9	59
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140	In Situ Classification of Cell Types in Human Kidney Tissue Using 3D Nuclear Staining. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 99, 707-721.	1.1	15
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142	A human cell atlas of fetal gene expression. <i>Science</i> , 2020, 370, .	6.0	436
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147	miR-196b-5p-enriched extracellular vesicles from tubular epithelial cells mediated aldosterone-induced renal fibrosis in mice with diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001101.	1.2	22
148	Single-cell analysis reveals immune landscape in kidneys of patients with chronic transplant rejection. <i>Theranostics</i> , 2020, 10, 8851-8862.	4.6	55
149	Single-cell RNA sequencing analysis of human kidney reveals the presence of ACE2 receptor: A potential pathway of COVID-19 infection. <i>Molecular Genetics & Genomic Medicine</i> , 2020, 8, e1442.	0.6	32
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151	A new neutrophil subset promotes CNS neuron survival and axon regeneration. <i>Nature Immunology</i> , 2020, 21, 1496-1505.	7.0	139
152	Single-Cell Profiling Reveals Divergent, Globally Patterned Immune Responses in Murine Skin Inflammation. <i>IScience</i> , 2020, 23, 101582.	1.9	30
153	Diverse Receptor Tyrosine Kinase Phosphorylation in Urine-Derived Tubular Epithelial Cells from Autosomal Dominant Polycystic Kidney Disease Patients. <i>Nephron</i> , 2020, 144, 525-536.	0.9	1
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