Benjamin S Freedman

List of Publications by Year
in descending order

35 papers	3,091 citations	394421 19 h-index	377865 34 g-index
41 all docs	41 docs citations	41 times ranked	3227 citing authors

#	Article	IF	Citations
1	Transplantation of human iPSC-derived kidney organoids. , 2022, , 129-146.		0
2	Physiology assays in human kidney organoids. American Journal of Physiology - Renal Physiology, 2022, 322, F625-F638.	2.7	11
3	Multivalent designed proteins neutralize SARS-CoV-2 variants of concern and confer protection against infection in mice. Science Translational Medicine, 2022, 14, eabn1252.	12.4	68
4	Modelling ciliopathy phenotypes in human tissues derived from pluripotent stem cells with genetically ablated cilia. Nature Biomedical Engineering, 2022, 6, 463-475.	22.5	19
5	The NIH Somatic Cell Genome Editing program. Nature, 2021, 592, 195-204.	27.8	84
6	3D cell culture models: Drug pharmacokinetics, safety assessment, and regulatory consideration. Clinical and Translational Science, 2021, 14, 1659-1680.	3.1	77
7	Cross-validation of SARS-CoV-2 responses in kidney organoids and clinical populations. JCI Insight, 2021, 6, .	5.0	21
8	Distinct Functional Requirements for Podocalyxin in Immature and Mature Podocytes Reveal Mechanisms of Human Kidney Disease. Scientific Reports, 2020, 10, 9419.	3.3	23
9	Profiling APOL1 Nephropathy Risk Variants in Genome-Edited Kidney Organoids with Single-Cell Transcriptomics. Kidney360, 2020, 1, 203-215.	2.1	18
10	Once upon a dish: engineering multicellular systems. Development (Cambridge), 2020, 147, .	2.5	10
11	Induced pluripotent stem cells provide mega insights into kidney disease. Kidney International, 2020, 98, 54-57.	5.2	4
12	Deregulation of Neuro-Developmental Genes and Primary Cilium Cytoskeleton Anomalies in iPSC Retinal Sheets from Human Syndromic Ciliopathies. Stem Cell Reports, 2020, 14, 357-373.	4.8	10
13	Deregulation of neuroâ€developmental genes and primary cilium cytoskeleton anomalies in iPScâ€derived retinal sheets from human syndromic ciliopathies. FASEB Journal, 2020, 34, 1-1.	0.5	0
14	Differentiation of human kidney organoids from pluripotent stem cells. Methods in Cell Biology, 2019, 153, 133-150.	1.1	11
15	Building Scaffolds To Rebuild Kidneys. ACS Central Science, 2019, 5, 380-382.	11.3	2
16	Dual lineage tracing shows that glomerular parietal epithelial cells can transdifferentiate toward theÂadult podocyte fate. Kidney International, 2019, 96, 597-611.	5.2	42
17	Graft immaturity and safety concerns in transplanted human kidney organoids. Experimental and Molecular Medicine, 2019, 51, 1-13.	7.7	48
18	Better Being Single? Omics Improves Kidney Organoids. Nephron, 2019, 141, 128-132.	1.8	13

#	Article	IF	Citations
19	Producing Purer Podocytes. Journal of the American Society of Nephrology: JASN, 2019, 30, 183-184.	6.1	0
20	Organoid single cell profiling identifies a transcriptional signature of glomerular disease. JCI Insight, 2019, 4, .	5.0	73
21	CRISPR Gene Editing in the Kidney. American Journal of Kidney Diseases, 2018, 71, 874-883.	1.9	42
22	Detection of renin lineage cell transdifferentiation to podocytes in the kidney glomerulus with dual lineage tracing. Kidney International, 2018, 93, 1240-1246.	5.2	30
23	High-Throughput Screening Enhances Kidney Organoid Differentiation from Human Pluripotent Stem Cells and Enables Automated Multidimensional Phenotyping. Cell Stem Cell, 2018, 22, 929-940.e4.	11.1	328
24	Optical tweezers system for live stem cell organization at the single-cell level. Biomedical Optics Express, 2018, 9, 771.	2.9	34
25	Lineage tracing aged mouse kidneys shows lower number of cells of renin lineage and reduced responsiveness to RAAS inhibition. American Journal of Physiology - Renal Physiology, 2018, 315, F97-F109.	2.7	13
26	Organoid cystogenesis reveals a critical role of microenvironment in human polycystic kidneyÂdisease. Nature Materials, 2017, 16, 1112-1119.	27.5	225
27	Gene-Edited Human Kidney Organoids Reveal Mechanisms of Disease in Podocyte Development. Stem Cells, 2017, 35, 2366-2378.	3.2	101
28	Human vascular progenitor cells derived from renal arteries are endothelial-like and assist in the repair of injured renal capillary networks. Kidney International, 2017, 91, 129-143.	5.2	38
29	Repair after nephron ablation reveals limitations of neonatal neonephrogenesis. JCI Insight, 2017, 2, e88848.	5.0	11
30	Modeling Kidney Disease with iPS Cells. Biomarker Insights, 2015, 10s1, BMI.S20054.	2.5	41
31	Modelling kidney disease with CRISPR-mutant kidney organoids derived from human pluripotent epiblast spheroids. Nature Communications, 2015, 6, 8715.	12.8	571
32	Nephron organoids derived from human pluripotent stem cells model kidney development and injury. Nature Biotechnology, 2015, 33, 1193-1200.	17.5	694
33	Rapid and Efficient Differentiation of Human Pluripotent Stem Cells into Intermediate Mesoderm That Forms Tubules Expressing Kidney Proximal Tubular Markers. Journal of the American Society of Nephrology: JASN, 2014, 25, 1211-1225.	6.1	271
34	Directed Differentiation of Pluripotent Stem Cells to Kidney Cells. Seminars in Nephrology, 2014, 34, 445-461.	1.6	38
35	Reduced Ciliary Polycystin-2 in Induced Pluripotent Stem Cells from Polycystic Kidney Disease Patients with PKD1 Mutations. Journal of the American Society of Nephrology: JASN, 2013, 24, 1571-1586.	6.1	104