

# Benjamin D Humphreys

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

104  
papers

8,913  
citations

46  
h-index

94  
g-index

130  
ext. papers

11,472  
ext. citations

10.4  
avg, IF

6.75  
L-index

#	Paper	IF	Citations
104	Circulating Plasma Biomarkers in Biopsy-Confirmed Kidney Disease. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2021</b> ,	6.9	5
103	Regrow or Repair: An Update on Potential Regenerative Therapies for the Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2021</b> ,	12.7	4
102	Spatially Resolved Transcriptomic Analysis of Acute Kidney Injury in a Female Murine Model. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2021</b> ,	12.7	7
101	Cumulative DNA damage by repeated low-dose cisplatin injection promotes the transition of acute to chronic kidney injury in mice. <i>Scientific Reports</i> , <b>2021</b> , 11, 20920	4.9	1
100	Single cell transcriptional and chromatin accessibility profiling redefine cellular heterogeneity in the adult human kidney. <i>Nature Communications</i> , <b>2021</b> , 12, 2190	17.4	44
99	Single Cell Technologies: Beyond Microfluidics.. <i>Kidney360</i> , <b>2021</b> , 2, 1196-1204	1.8	2
98	Bioprinting better kidney organoids. <i>Nature Materials</i> , <b>2021</b> , 20, 128-130	27	6
97	Recent advances in lineage tracing for the kidney. <i>Kidney International</i> , <b>2021</b> , 100, 1179-1184	9.9	1
96	Multi-omics integration in the age of million single-cell data. <i>Nature Reviews Nephrology</i> , <b>2021</b> , 17, 710-724.9	24.9	11
95	Cadherin-11, Sparc-related modular calcium binding protein-2, and Pigment epithelium-derived factor are promising non-invasive biomarkers of kidney fibrosis. <i>Kidney International</i> , <b>2021</b> , 100, 672-683 <sup>9.9</sup>	9.9	1
94	Proximal Tubule Translational Profiling during Kidney Fibrosis Reveals Proinflammatory and Long Noncoding RNA Expression Patterns with Sexual Dimorphism. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2020</b> , 31, 23-38	12.7	27
93	Cre/loxP approach-mediated downregulation of Pik3c3 inhibits the hypertrophic growth of renal proximal tubule cells. <i>Journal of Cellular Physiology</i> , <b>2020</b> , 235, 9958-9973	7	1
92	Cell profiling of mouse acute kidney injury reveals conserved cellular responses to injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 15874-15883 <sup>11.5</sup>	11.5	79
91	Cathepsin S and Protease-Activated Receptor-2 Drive Alloimmunity and Immune Regulation in Kidney Allograft Rejection. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 398	5.7	4
90	Epigenomics and the kidney. <i>Current Opinion in Nephrology and Hypertension</i> , <b>2020</b> , 29, 280-285	3.5	4
89	Pharmacological inhibition of ataxia-telangiectasia mutated exacerbates acute kidney injury by activating p53 signaling in mice. <i>Scientific Reports</i> , <b>2020</b> , 10, 4441	4.9	7
88	Harnessing Expressed Single Nucleotide Variation and Single Cell RNA Sequencing To Define Immune Cell Chimerism in the Rejecting Kidney Transplant. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2020</b> , 31, 1977-1986	12.7	24

87	Surveying the human single-cell landscape. <i>Kidney International</i> , <b>2020</b> , 98, 1385-1387	9.9	
86	Circulating testican-2 is a podocyte-derived marker of kidney health. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 25026-25035	11.5	7
85	SARS-CoV-2 in the kidney: bystander or culprit?. <i>Nature Reviews Nephrology</i> , <b>2020</b> , 16, 703-704	14.9	16
84	Intratubular epithelial-mesenchymal transition and tubular atrophy after kidney injury in mice. <i>American Journal of Physiology - Renal Physiology</i> , <b>2020</b> , 319, F579-F591	4.3	8
83	Single-Nucleus RNA-Sequencing Profiling of Mouse Lung. Reduced Dissociation Bias and Improved Rare Cell-Type Detection Compared with Single-Cell RNA Sequencing. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2020</b> , 63, 739-747	5.7	15
82	Human Pluripotent Stem Cell-Derived Kidney Organoids with Improved Collecting Duct Maturation and Injury Modeling. <i>Cell Reports</i> , <b>2020</b> , 33, 108514	10.6	28
81	Kidney and organoid single-cell transcriptomics: the end of the beginning. <i>Pediatric Nephrology</i> , <b>2020</b> , 35, 191-197	3.2	15
80	Single Cell Sequencing and Kidney Organoids Generated from Pluripotent Stem Cells. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2020</b> , 15, 550-556	6.9	13
79	The single-cell transcriptomic landscape of early human diabetic nephropathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 19619-19625	11.5	135
78	Recent Insights into Kidney Injury and Repair from Transcriptomic Analyses. <i>Nephron</i> , <b>2019</b> , 143, 162-165	3.3	4
77	AuthorsSRReply. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2019</b> , 30, 714	12.7	1
76	FOXM1 drives proximal tubule proliferation during repair from acute ischemic kidney injury. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 5501-5517	15.9	49
75	Graft immaturity and safety concerns in transplanted human kidney organoids. <i>Experimental and Molecular Medicine</i> , <b>2019</b> , 51, 1-13	12.8	26
74	Single-cell Transcriptomics and Solid Organ Transplantation. <i>Transplantation</i> , <b>2019</b> , 103, 1776-1782	1.8	10
73	Single-cell genomics and gene editing: implications for nephrology. <i>Nature Reviews Nephrology</i> , <b>2019</b> , 15, 63-64	14.9	8
72	Trans-ethnic kidney function association study reveals putative causal genes and effects on kidney-specific disease aetiologies. <i>Nature Communications</i> , <b>2019</b> , 10, 29	17.4	51
71	A conditionally immortalized Gli1-positive kidney mesenchymal cell line models myofibroblast transition. <i>American Journal of Physiology - Renal Physiology</i> , <b>2019</b> , 316, F63-F75	4.3	6
70	Advantages of Single-Nucleus over Single-Cell RNA Sequencing of Adult Kidney: Rare Cell Types and Novel Cell States Revealed in Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2019</b> , 30, 23-32	12.7	225

69	Bringing Renal Biopsy Interpretation Into the Molecular Age With Single-Cell RNA Sequencing. <i>Seminars in Nephrology</i> , <b>2018</b> , 38, 31-39	4.8	27
68	Overcoming Translational Barriers in Acute Kidney Injury: A Report from an NIDDK Workshop. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2018</b> , 13, 1113-1123	6.9	26
67	Mechanisms of Renal Fibrosis. <i>Annual Review of Physiology</i> , <b>2018</b> , 80, 309-326	23.1	325
66	Meis1 is specifically upregulated in kidney myofibroblasts during aging and injury but is not required for kidney homeostasis or fibrotic response. <i>American Journal of Physiology - Renal Physiology</i> , <b>2018</b> , 315, F275-F290	4.3	6
65	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> , <b>2018</b> , 29, 2069-2080	12.7	163
64	Parabiosis and single-cell RNA sequencing reveal a limited contribution of monocytes to myofibroblasts in kidney fibrosis. <i>JCI Insight</i> , <b>2018</b> , 3,	9.9	46
63	Development and Validation of a Risk Prediction Model for Acute Kidney Injury After the First Course of Cisplatin. <i>Journal of Clinical Oncology</i> , <b>2018</b> , 36, 682-688	2.2	66
62	Comparative Analysis and Refinement of Human PSC-Derived Kidney Organoid Differentiation with Single-Cell Transcriptomics. <i>Cell Stem Cell</i> , <b>2018</b> , 23, 869-881.e8	18	252
61	Mapping kidney cellular complexity. <i>Science</i> , <b>2018</b> , 360, 709-710	33.3	8
60	Efficient Gene Transfer to Kidney Mesenchymal Cells Using a Synthetic Adeno-Associated Viral Vector. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2018</b> , 29, 2287-2297	12.7	20
59	(Re)Building a Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2017</b> , 28, 1370-1378	12.7	42
58	Gli1 Mesenchymal Stromal Cells Are a Key Driver of Bone Marrow Fibrosis and an Important Cellular Therapeutic Target. <i>Cell Stem Cell</i> , <b>2017</b> , 20, 785-800.e8	18	132
57	The ten barriers for translation of animal data on AKI to the clinical setting. <i>Intensive Care Medicine</i> , <b>2017</b> , 43, 898-900	14.5	10
56	Endothelial marker-expressing stromal cells are critical for kidney formation. <i>American Journal of Physiology - Renal Physiology</i> , <b>2017</b> , 313, F611-F620	4.3	13
55	The promise of single-cell RNA sequencing for kidney disease investigation. <i>Kidney International</i> , <b>2017</b> , 92, 1334-1342	9.9	47
54	Fibrotic Changes Mediating Acute Kidney Injury to Chronic Kidney Disease Transition. <i>Nephron</i> , <b>2017</b> , 137, 264-267	3.3	16
53	Targeting Phospholipase D4 Attenuates Kidney Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2017</b> , 28, 3579-3589	12.7	9
52	Mesenchymal Stem Cells in Fibrotic Disease. <i>Cell Stem Cell</i> , <b>2017</b> , 21, 166-177	18	186

51	Cellular plasticity in kidney injury and repair. <i>Nature Reviews Nephrology</i> , <b>2017</b> , 13, 39-46	14.9	70
50	Gli1 Pericyte Loss Induces Capillary Rarefaction and Proximal Tubular Injury. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2017</b> , 28, 776-784	12.7	82
49	Paracrine Wnt1 Drives Interstitial Fibrosis without Inflammation by Tubulointerstitial Cross-Talk. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2016</b> , 27, 781-90	12.7	86
48	Targeting Endogenous Repair Pathways after AKI. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2016</b> , 27, 990-8	12.7	60
47	Clinical Use of the Urine Biomarker [TIMP-2]∩∩[GFBP7] for Acute Kidney Injury Risk Assessment. <i>American Journal of Kidney Diseases</i> , <b>2016</b> , 68, 19-28	7.4	119
46	Mammalian Target of Rapamycin Mediates Kidney Injury Molecule 1-Dependent Tubule Injury in a Surrogate Model. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2016</b> , 27, 1943-57	12.7	25
45	ADAM17 substrate release in proximal tubule drives kidney fibrosis. <i>JCI Insight</i> , <b>2016</b> , 1,	9.9	68
44	Gene Editing: Powerful New Tools for Nephrology Research and Therapy. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2016</b> , 27, 2940-2947	12.7	18
43	Silencing of microRNA-132 reduces renal fibrosis by selectively inhibiting myofibroblast proliferation. <i>Kidney International</i> , <b>2016</b> , 89, 1268-80	9.9	70
42	Adventitial MSC-like Cells Are Progenitors of Vascular Smooth Muscle Cells and Drive Vascular Calcification in Chronic Kidney Disease. <i>Cell Stem Cell</i> , <b>2016</b> , 19, 628-642	18	189
41	Perivascular Gli1+ progenitors are key contributors to injury-induced organ fibrosis. <i>Cell Stem Cell</i> , <b>2015</b> , 16, 51-66	18	559
40	Who regenerates the kidney tubule?. <i>Nephrology Dialysis Transplantation</i> , <b>2015</b> , 30, 903-10	4.3	57
39	Sox9 Activation Highlights a Cellular Pathway of Renal Repair in the Acutely Injured Mammalian Kidney. <i>Cell Reports</i> , <b>2015</b> , 12, 1325-38	10.6	103
38	Cardio-Oncology: How New Targeted Cancer Therapies and Precision Medicine Can Inform Cardiovascular Discovery. <i>Circulation</i> , <b>2015</b> , 132, 2248-58	16.7	75
37	Pharmacological GLI2 inhibition prevents myofibroblast cell-cycle progression and reduces kidney fibrosis. <i>Journal of Clinical Investigation</i> , <b>2015</b> , 125, 2935-51	15.9	111
36	Wnt signaling in kidney tubulointerstitium during disease. <i>Histology and Histopathology</i> , <b>2015</b> , 30, 163-71	11.4	14
35	Controversies on the origin of proliferating epithelial cells after kidney injury. <i>Pediatric Nephrology</i> , <b>2014</b> , 29, 673-9	3.2	31
34	Differentiated kidney epithelial cells repair injured proximal tubule. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 1527-32	11.5	287

33	Rationale of mesenchymal stem cell therapy in kidney injury. <i>Nephron Clinical Practice</i> , <b>2014</b> , 127, 75-80		39
32	Kidney pericytes: roles in regeneration and fibrosis. <i>Seminars in Nephrology</i> , <b>2014</b> , 34, 374-83	4.8	78
31	Introduction: stem cells and kidney regeneration. <i>Seminars in Nephrology</i> , <b>2014</b> , 34, 349-50	4.8	1
30	Discovery of new glomerular disease-relevant genes by translational profiling of podocytes in vivo. <i>Kidney International</i> , <b>2014</b> , 86, 1116-29	9.9	30
29	Lineage-tracing methods and the kidney. <i>Kidney International</i> , <b>2014</b> , 86, 481-8	9.9	24
28	Translational profiles of medullary myofibroblasts during kidney fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2014</b> , 25, 1979-90	12.7	52
27	CDK4/6 inhibition induces epithelial cell cycle arrest and ameliorates acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , <b>2014</b> , 306, F379-88	4.3	72
26	Fluorescence microangiography for quantitative assessment of peritubular capillary changes after AKI in mice. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2014</b> , 25, 1924-31	12.7	86
25	Pharmacological and genetic depletion of fibrinogen protects from kidney fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , <b>2014</b> , 307, F471-84	4.3	28
24	Cell-specific translational profiling in acute kidney injury. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 1242-54	12.5	115
23	Matrix Producing Cells in Chronic Kidney Disease: Origin, Regulation, and Activation. <i>Current Pathobiology Reports</i> , <b>2013</b> , 1, 301	2	32
22	Understanding the origin, activation and regulation of matrix-producing myofibroblasts for treatment of fibrotic disease. <i>Journal of Pathology</i> , <b>2013</b> , 231, 273-89	9.4	153
21	Wnt4/Eatenin signaling in medullary kidney myofibroblasts. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2013</b> , 24, 1399-412	12.7	123
20	Chronic epithelial kidney injury molecule-1 expression causes murine kidney fibrosis. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 4023-35	15.9	207
19	A Transgenic Cre Mouse Line for the Study of Kidney Pericytes and Perivascular Fibroblasts. <i>FASEB Journal</i> , <b>2013</b> , 27, 897.2	0.9	
18	Hedgehog-Gli pathway activation during kidney fibrosis. <i>American Journal of Pathology</i> , <b>2012</b> , 180, 1441-53	5.8	145
17	Origin of new cells in the adult kidney: results from genetic labeling techniques. <i>Kidney International</i> , <b>2011</b> , 79, 494-501	9.9	84
16	Repair of injured proximal tubule does not involve specialized progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 9226-31	11.5	261

15	Genetic tracing of the epithelial lineage during mammalian kidney repair. <i>Kidney International Supplements</i> , <b>2011</b> , 1, 83-86	6.3	8
14	Fate tracing reveals the pericyte and not epithelial origin of myofibroblasts in kidney fibrosis. <i>American Journal of Pathology</i> , <b>2010</b> , 176, 85-97	5.8	1072
13	Rapid development of hypertension by sorafenib: toxicity or target?. <i>Clinical Cancer Research</i> , <b>2009</b> , 15, 5947-9	12.9	42
12	Renal injury is a third hit promoting rapid development of adult polycystic kidney disease. <i>Human Molecular Genetics</i> , <b>2009</b> , 18, 2523-31	5.6	146
11	Intrinsic epithelial cells repair the kidney after injury. <i>Cell Stem Cell</i> , <b>2008</b> , 2, 284-91	18	651
10	Mesenchymal stem cells in acute kidney injury. <i>Annual Review of Medicine</i> , <b>2008</b> , 59, 311-25	17.4	268
9	Kidney injury molecule-1 is a phosphatidylserine receptor that confers a phagocytic phenotype on epithelial cells. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 1657-68	15.9	508
8	The contribution of adult stem cells to renal repair. <i>Nephrologie Et Therapeutique</i> , <b>2007</b> , 3, 3-10	0.6	49
7	Minimal-change nephrotic syndrome in a hematopoietic stem-cell transplant recipient. <i>Nature Clinical Practice Nephrology</i> , <b>2006</b> , 2, 535-9; quiz 540		7
6	Acetaminophen-induced anion gap metabolic acidosis and 5-oxoprolinuria (pyroglutamic aciduria) acquired in hospital. <i>American Journal of Kidney Diseases</i> , <b>2005</b> , 46, 143-6	7.4	40
5	Renal failure associated with cancer and its treatment: an update. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2005</b> , 16, 151-61	12.7	134
4	Gemcitabine-associated thrombotic microangiopathy. <i>Cancer</i> , <b>2004</b> , 100, 2664-70	6.4	148
3	Cell profiling of mouse acute kidney injury reveals conserved cellular responses to injury		3
2	Single cell transcriptional and chromatin accessibility profiling redefine cellular heterogeneity in the adult human kidney		3
1	The Single Cell Transcriptomic Landscape of Early Human Diabetic Nephropathy		1