David J Nikolic-Paterson

List of Publications by Citations

99 papers	5,627 citations	36 h-index	74 g-index
106 ext. papers	6,862 ext. citations	6.1 avg, IF	6.2 L-index

#	Paper	IF	Citations
99	TGF-□the master regulator of fibrosis. *Nature Reviews Nephrology*, **2016**, 12, 325-38	14.9	1405
98	Inflammatory processes in renal fibrosis. *Nature Reviews Nephrology*, **2014**, 10, 493-503	14.9	375
97	Tubular epithelial-myofibroblast transdifferentiation in progressive tubulointerstitial fibrosis in 5/6 nephrectomized rats. *Kidney International*, **1998**, 54, 864-76	9.9	290
96	Macrophages: versatile players in renal inflammation and fibrosis. *Nature Reviews Nephrology*, **2019**, 15, 144-158	14.9	251
95	The role of p38alpha mitogen-activated protein kinase activation in renal fibrosis. *Journal of the American Society of Nephrology: JASN*, **2004**, 15, 370-9	12.7	160
94	Macrophage-to-Myofibroblast Transition Contributes to Interstitial Fibrosis in Chronic Renal Allograft Injury. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 2053-2067	12.7	143
93	A pathogenic role for c-Jun amino-terminal kinase signaling in renal fibrosis and tubular cell apoptosis. *Journal of the American Society of Nephrology: JASN*, **2007**, 18, 472-84	12.7	134
92	Inflammatory macrophages can transdifferentiate into myofibroblasts during renal fibrosis. *Cell Death and Disease*, **2016**, 7, e2495	9.8	131
91	Suppression of experimental crescentic glomerulonephritis by the interleukin-1 receptor antagonist. *Kidney International*, **1993**, 43, 479-85	9.9	123
90	Macrophages promote renal fibrosis through direct and indirect mechanisms. *Kidney International Supplements*, **2014**, 4, 34-38	6.3	122
89	TGF-□Smad3 signalling regulates the transition of bone marrow-derived macrophages into myofibroblasts during tissue fibrosis. *Oncotarget*, **2016**, 7, 8809-22	3.3	122
88	Tubular phenotypic change in progressive tubulointerstitial fibrosis in human glomerulonephritis. *American Journal of Kidney Diseases*, **2001**, 38, 761-9	7.4	120
87	Adoptive transfer studies demonstrate that macrophages can induce proteinuria and mesangial cell proliferation. *Kidney International*, **2003**, 63, 83-95	9.9	119
86	Disease-dependent mechanisms of albuminuria. *American Journal of Physiology - Renal Physiology*, **2008**, 295, F1589-600	4.3	108
85	The JNK Signaling Pathway in Renal Fibrosis. *Frontiers in Physiology*, **2017**, 8, 829	4.6	102
84	Blockade of p38alpha MAPK ameliorates acute inflammatory renal injury in rat anti-GBM glomerulonephritis. *Journal of the American Society of Nephrology: JASN*, **2003**, 14, 338-51	12.7	93
83	In vivo administration of a nuclear transcription factor-kappaB decoy suppresses experimental crescentic glomerulonephritis. *Journal of the American Society of Nephrology: JASN*, **2000**, 11, 1244-1252	12.7	88

82	TGF-β-activated kinase-1 regulates inflammation and fibrosis in the obstructed kidney. *American Journal of Physiology - Renal Physiology*, **2011**, 300, F1410-21	4.3	83
81	Activation of the ERK pathway precedes tubular proliferation in the obstructed rat kidney. *Kidney International*, **2003**, 63, 1256-64	9.9	82
80	Resolvins E1 and D1 inhibit interstitial fibrosis in the obstructed kidney via inhibition of local fibroblast proliferation. *Journal of Pathology*, **2012**, 228, 506-19	9.4	77
79	p38 Mitogen-activated protein kinase activation and cell localization in human glomerulonephritis: correlation with renal injury. *Journal of the American Society of Nephrology: JASN*, **2004**, 15, 326-36	12.7	73
78	ASK1/p38 signaling in renal tubular epithelial cells promotes renal fibrosis in the mouse obstructed kidney. *American Journal of Physiology - Renal Physiology*, **2014**, 307, F1263-73	4.3	71
77	De novo glomerular osteopontin expression in rat crescentic glomerulonephritis. *Kidney International*, **1998**, 53, 136-45	9.9	67
76	ASK1 contributes to fibrosis and dysfunction in models of kidney disease. *Journal of Clinical Investigation*, **2018**, 128, 4485-4500	15.9	63
75	ASK1 Inhibitor Halts Progression of Diabetic Nephropathy in Nos3-Deficient Mice. *Diabetes*, **2015**, 64, 3903-13	0.9	61
74	Tubules are the major site of M-CSF production in experimental kidney disease: correlation with local macrophage proliferation. *Kidney International*, **2001**, 60, 614-25	9.9	60
73	Activation of the extracellular-signal regulated protein kinase pathway in human glomerulopathies. *Journal of the American Society of Nephrology: JASN*, **2004**, 15, 1835-43	12.7	58
72	Activation and cellular localization of the p38 and JNK MAPK pathways in rat crescentic glomerulonephritis. *Kidney International*, **2003**, 64, 2121-32	9.9	52
71	Blockade of the c-Jun amino terminal kinase prevents crescent formation and halts established anti-GBM glomerulonephritis in the rat. *Laboratory Investigation*, **2009**, 89, 470-84	5.9	51
70	Role of macrophages in the fibrotic phase of rat crescentic glomerulonephritis. *American Journal of Physiology - Renal Physiology*, **2013**, 304, F1043-53	4.3	50
69	Macrophage accumulation at a site of renal inflammation is dependent on the M-CSF/c-fms pathway. *Journal of Leukocyte Biology*, **2002**, 72, 530-7	6.5	50
68	Macrophage-mediated renal injury is dependent on signaling via the JNK pathway. *Journal of the American Society of Nephrology: JASN*, **2004**, 15, 1775-84	12.7	48
67	c-fms blockade reverses glomerular macrophage infiltration and halts development of crescentic anti-GBM glomerulonephritis in the rat. *Laboratory Investigation*, **2011**, 91, 978-91	5.9	47
66	MKK3-p38 signaling promotes apoptosis and the early inflammatory response in the obstructed mouse kidney. *American Journal of Physiology - Renal Physiology*, **2007**, 293, F1556-63	4.3	45
65	Myeloid mineralocorticoid receptor activation contributes to progressive kidney disease. *Journal of the American Society of Nephrology: JASN*, **2014**, 25, 2231-40	12.7	40

64	CD44-mediated neutrophil apoptosis in the rat. *Kidney International*, **2000**, 58, 1920-30	9.9	37
63	ASK1: a new therapeutic target for kidney disease. *American Journal of Physiology - Renal Physiology*, **2016**, 311, F373-81	4.3	36
62	ASK1 inhibitor treatment suppresses p38/JNK signalling with reduced kidney inflammation and fibrosis in rat crescentic glomerulonephritis. *Journal of Cellular and Molecular Medicine*, **2018**, 22, 4522-4533	5.6	33
61	Neural transcription factor Pou4f1 promotes renal fibrosis via macrophage-myofibroblast transition. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 20741-20752	11.5	32
60	Representing the Process of Inflammation as Key Events in Adverse Outcome Pathways. *Toxicological Sciences*, **2018**, 163, 346-352	4.4	32
59	In vivo visualization of albumin degradation in the proximal tubule. *Kidney International*, **2008**, 74, 1480-6	9.9	31
58	Evaluation of JNK blockade as an early intervention treatment for type 1 diabetic nephropathy in hypertensive rats. *American Journal of Nephrology*, **2011**, 34, 337-46	4.6	30
57	mTOR-mediated podocyte hypertrophy regulates glomerular integrity in mice and humans. *JCI Insight*, **2019**, 4,	9.9	29
56	Endothelial dysfunction exacerbates renal interstitial fibrosis through enhancing fibroblast Smad3 linker phosphorylation in the mouse obstructed kidney. *PLoS ONE*, **2013**, 8, e84063	3.7	26
55	CD4+ T cells: a potential player in renal fibrosis. *Kidney International*, **2010**, 78, 333-5	9.9	25
54	Novel 3D analysis using optical tissue clearing documents the evolution of murine rapidly progressive glomerulonephritis. *Kidney International*, **2019**, 96, 505-516	9.9	24
53	Spleen tyrosine kinase promotes acute neutrophil-mediated glomerular injury via activation of JNK and p38 MAPK in rat nephrotoxic serum nephritis. *Laboratory Investigation*, **2011**, 91, 1727-38	5.9	23
52	Regulation of renal fibrosis by Smad3 Thr388 phosphorylation. *American Journal of Pathology*, **2014**, 184, 944-952	5.8	21
51	Spleen Tyrosine Kinase Signaling Promotes Myeloid Cell Recruitment and Kidney Damage after Renal Ischemia/Reperfusion Injury. *American Journal of Pathology*, **2016**, 186, 2032-2042	5.8	15
50	Cyclophilin D promotes tubular cell damage and the development of interstitial fibrosis in the obstructed kidney. *Clinical and Experimental Pharmacology and Physiology*, **2018**, 45, 250-260	3	15
49	Up-regulation of ICAM-1 and VCAM-1 expression during macrophage recruitment in lipid induced glomerular injury in ExHC rats. *Nephrology*, **1995**, 1, 221-232	2.2	14
48	Myeloid cell-mediated renal injury in rapidly progressive glomerulonephritis depends upon spleen tyrosine kinase. *Journal of Pathology*, **2016**, 238, 10-20	9.4	14
47	Smad4 promotes diabetic nephropathy by modulating glycolysis and OXPHOS. *EMBO Reports*, **2020**, 21, e48781	6.5	13

46	Local macrophage proliferation in experimental Goodpasture's syndrome. *Nephrology*, **1995**, 1, 151-156	2.2	13
45	A role for spleen tyrosine kinase in renal fibrosis in the mouse obstructed kidney. *Life Sciences*, **2016**, 146, 192-200	6.8	12
44	The Smad3/Smad4/CDK9 complex promotes renal fibrosis in mice with unilateral ureteral obstruction. *Kidney International*, **2015**, 88, 1323-1335	9.9	9
43	IgA Nephropathy Benefits from Compound K Treatment by Inhibiting NF-B/NLRP3 Inflammasome and Enhancing Autophagy and SIRT1. *Journal of Immunology*, **2020**, 205, 202-212	5.3	9
42	Matrix metalloproteinase-12 deficiency attenuates experimental crescentic anti-glomerular basement membrane glomerulonephritis. *Nephrology*, **2018**, 23, 183-189	2.2	9
41	Long-term graft survival in patients with chronic antibody-mediated rejection with persistent peritubular capillaritis treated with intravenous immunoglobulin and rituximab. *Clinical Transplantation*, **2017**, 31, e13037	3.8	9
40	Cyclophilin Inhibition Protects Against Experimental Acute Kidney Injury and Renal Interstitial Fibrosis. *International Journal of Molecular Sciences*, **2020**, 22,	6.3	9
39	Cyclophilin A Promotes Inflammation in Acute Kidney Injury but Not in Renal Fibrosis. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	8
38	Delayed-type hypersensitivity mediates Bowman's capsule rupture in Tamm-Horsfall protein-induced tubulointerstitial nephritis in the rat. *Nephrology*, **1996**, 2, 417-427	2.2	8
37	Suppression of Rapidly Progressive Mouse Glomerulonephritis with the Non-Steroidal Mineralocorticoid Receptor Antagonist BR-4628. *PLoS ONE*, **2015**, 10, e0145666	3.7	8
36	Spleen tyrosine kinase contributes to acute renal allograft rejection in the rat. *International Journal of Experimental Pathology*, **2015**, 96, 54-62	2.8	7
35	Inhibition of Spleen Tyrosine Kinase Reduces Renal Allograft Injury in a Rat Model of Acute Antibody-Mediated Rejection in Sensitized Recipients. *Transplantation*, **2017**, 101, e240-e248	1.8	7
34	Chloride channel ClC-5 binds to aspartyl aminopeptidase to regulate renal albumin endocytosis. *American Journal of Physiology - Renal Physiology*, **2015**, 308, F784-92	4.3	6
33	Intercellular adhesion molecule-1 and tumour necrosis factor- expression in human glomerulonephritis. *Nephrology*, **1997**, 3, 329-337	2.2	6
32	Tubulointerstitial injury in glomerulonephritis. *Nephrology*, **1996**, 2, s2-s6	2.2	6
31	Methods in renal research: kidney transplantation in the rat. *Nephrology*, **2016**, 21, 451-6	2.2	6
30	Pharmacological inhibition of protease-activated receptor-2 reduces crescent formation in rat nephrotoxic serum nephritis. *Clinical and Experimental Pharmacology and Physiology*, **2019**, 46, 456-464	3	5
29	Expression of basic fibroblast growth factor and its receptor in the progression of rat crescentic glomerulonephritis. *Nephrology*, **1995**, 1, 569-575	2.2	5

28	Steroid treatment promotes an M2 anti-inflammatory macrophage phenotype in childhood lupus nephritis. *Pediatric Nephrology*, **2021**, 36, 349-359	3.2	5
27	Renal physiology: The proximal tubule and albuminuria at last a starring role. *Nature Reviews Nephrology*, **2015**, 11, 573-5	14.9	4
26	Intrarenal synthesis of IL-6 in IgA nephropathy. *Nephrology*, **1997**, 3, 421-430	2.2	4
25	Interleukin-10: Is it good or bad for the kidney?. *Nephrology*, **1998**, 4, 331-338	2.2	4
24	EGF and EGF-receptor expression in rat anti-Thy-1 mesangial proliferative nephritis. *Nephrology*, **1995**, 1, 83-93	2.2	4
23	Omics technologies for kidney disease research. *Anatomical Record*, **2020**, 303, 2729-2742	2.1	3
22	Targeting apoptosis signal-regulating kinase 1 in acute and chronic kidney disease. *Anatomical Record*, **2020**, 303, 2553-2560	2.1	3
21	An inhibitor of spleen tyrosine kinase suppresses experimental crescentic glomerulonephritis. *International Journal of Immunopathology and Pharmacology*, **2018**, 32, 2058738418783404	3	3
20	Protease-activated receptor 2 does not contribute to renal inflammation or fibrosis in the obstructed kidney. *Nephrology*, **2019**, 24, 983-991	2.2	3
19	Combined inhibition of CCR2 and ACE provides added protection against progression of diabetic nephropathy in -deficient mice. *American Journal of Physiology - Renal Physiology*, **2019**, 317, F1439-F1449	4.3	3
18	c-Jun Amino Terminal Kinase Signaling Promotes Aristolochic Acid-Induced Acute Kidney Injury. *Frontiers in Physiology*, **2021**, 12, 599114	4.6	3
17	Do macrophages participate in mesangial cell proliferation?. *Nephrology*, **1997**, 3, 501-507	2.2	2
16	PAR2 Activation on Human Kidney Tubular Epithelial Cells Induces Tissue Factor Synthesis, That Enhances Blood Clotting. *Frontiers in Physiology*, **2021**, 12, 615428	4.6	2
15	JUN Amino-Terminal Kinase 1 Signaling in the Proximal Tubule Causes Cell Death and Acute Renal Failure in Rat and Mouse Models of Renal Ischemia/Reperfusion Injury. *American Journal of Pathology*, **2021**, 191, 817-828	5.8	2
14	Establishing equivalent diabetes in male and female Nos3-deficient mice results in a comparable onset of diabetic kidney injury. *Physiological Reports*, **2019**, 7, e14197	2.6	1
13	Monocytes and Macrophages **2009**, 267-287		1
12	Cell-mediated tubulointerstitial nephritis. *Clinical and Experimental Nephrology*, **1998**, 2, 289-294	2.5	1
11	The application of microwave techniques in multiple immunostaining and in situ hybridization. *Nephrology*, **1996**, 2, s116-s121	2.2	1

List of Publications

10	Cyclophilin D Promotes Acute, but Not Chronic, Kidney Injury in a Mouse Model of Aristolochic Acid Toxicity. *Toxins*, **2021**, 13,	4.9	1
9	Reduced tubular degradation of glomerular filtered plasma albumin is a common feature in acute and chronic kidney disease. *Clinical and Experimental Pharmacology and Physiology*, **2018**, 45, 241-249	3	1
8	PAR2-Induced Tissue Factor Synthesis by Primary Cultures of Human Kidney Tubular Epithelial Cells Is Modified by Glucose Availability. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
7	The ability of remaining glomerular podocytes to adapt to the loss of their neighbours decreases with age.. *Cell and Tissue Research*, **2022**, 1	4.2	1
6	ASK1 is a novel molecular target for preventing aminoglycoside-induced hair cell death.. *Journal of Molecular Medicine*, **2022**, 100, 797	5.5	1
5	Long-term anti-glomerular basement membrane disease in the rat: a model of chronic giomerulonephritis with nephrosis, hypertension and progressive renal failure. *Nephrology*, **2002**, 7, 145-154	2.2	0
4	Molecular analysis of human glomerulonephritis. *Nephrology*, **1997**, 3, s647-s651	2.2	
3	MIF in the Pathogenesis of Kidney Disease **2007**, 153-168		
2	Interleukin 1 induces renal CD44 expression in vivo and in vitro: role of the transcription factor Egr-1. *Nephrology*, **2002**, 7, 136-144	2.2	
1	Proximal tubular epithelial cells preferentially endocytose covalently-modified albumin compared to native albumin. *Nephrology*, **2019**, 24, 121-126	2.2	