

David J Nikolic-Paterson

List of Publications by Year in descending order

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105
papers

8,030
citations

76196

40
h-index

51492

86
g-index

106
all docs

106
docs citations

106
times ranked

9753
citing authors

#	ARTICLE	IF	CITATIONS
1	TGF- β 2: the master regulator of fibrosis. <i>Nature Reviews Nephrology</i> , 2016, 12, 325-338.	4.1	2,269
2	Macrophages: versatile players in renal inflammation and fibrosis. <i>Nature Reviews Nephrology</i> , 2019, 15, 144-158.	4.1	551
3	Inflammatory processes in renal fibrosis. <i>Nature Reviews Nephrology</i> , 2014, 10, 493-503.	4.1	531
4	Tubular epithelial-myofibroblast transdifferentiation in progressive tubulointerstitial fibrosis in 5/6 nephrectomized rats. <i>Kidney International</i> , 1998, 54, 864-876.	2.6	349
5	Macrophage-to-Myofibroblast Transition Contributes to Interstitial Fibrosis in Chronic Renal Allograft Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 2053-2067.	3.0	250
6	Inflammatory macrophages can transdifferentiate into myofibroblasts during renal fibrosis. <i>Cell Death and Disease</i> , 2016, 7, e2495-e2495.	2.7	215
7	The Role of p38 β Mitogen-Activated Protein Kinase Activation in Renal Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2004, 15, 370-379.	3.0	184
8	Macrophages promote renal fibrosis through direct and indirect mechanisms. <i>Kidney International Supplements</i> , 2014, 4, 34-38.	4.6	177
9	TGF- β 2/Smad3 signalling regulates the transition of bone marrow-derived macrophages into myofibroblasts during tissue fibrosis. <i>Oncotarget</i> , 2016, 7, 8809-8822.	0.8	172
10	The JNK Signaling Pathway in Renal Fibrosis. <i>Frontiers in Physiology</i> , 2017, 8, 829.	1.3	156
11	A Pathogenic Role for c-Jun Amino-Terminal Kinase Signaling in Renal Fibrosis and Tubular Cell Apoptosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2007, 18, 472-484.	3.0	152
12	Suppression of experimental crescentic glomerulonephritis by the interleukin-1 receptor antagonist. <i>Kidney International</i> , 1993, 43, 479-485.	2.6	140
13	Adoptive transfer studies demonstrate that macrophages can induce proteinuria and mesangial cell proliferation. <i>Kidney International</i> , 2003, 63, 83-95.	2.6	135
14	Disease-dependent mechanisms of albuminuria. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, F1589-F1600.	1.3	130
15	Tubular phenotypic change in progressive tubulointerstitial fibrosis in human glomerulonephritis. <i>American Journal of Kidney Diseases</i> , 2001, 38, 761-769.	2.1	128
16	ASK1 contributes to fibrosis and dysfunction in models of kidney disease. <i>Journal of Clinical Investigation</i> , 2018, 128, 4485-4500.	3.9	104
17	Blockade of p38 β MAPK Ameliorates Acute Inflammatory Renal Injury in Rat Anti-GBM Glomerulonephritis. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 338-351.	3.0	101
18	In Vivo Administration of a Nuclear Transcription Factor- β Decoy Suppresses Experimental Crescentic Glomerulonephritis. <i>Journal of the American Society of Nephrology: JASN</i> , 2000, 11, 1244-1252.	3.0	101

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19	TGF- β 1-activated kinase-1 regulates inflammation and fibrosis in the obstructed kidney. American Journal of Physiology - Renal Physiology, 2011, 300, F1410-F1421.	1.3	92
20	Activation of the ERK pathway precedes tubular proliferation in the obstructed rat kidney. Kidney International, 2003, 63, 1256-1264.	2.6	90
21	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-F1273.	1.3	87
22	Resolvins E1 and D1 inhibit interstitial fibrosis in the obstructed kidney via inhibition of local fibroblast proliferation. Journal of Pathology, 2012, 228, 506-519.	2.1	85
23	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, 326-336.	3.0	84
24	ASK1 Inhibitor Halts Progression of Diabetic Nephropathy in <i>Nos3</i> -Deficient Mice. Diabetes, 2015, 64, 3903-3913.	0.3	76
25	Neural transcription factor Pou4f1 promotes renal fibrosis via macrophage \rightarrow myofibroblast transition. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20741-20752.	3.3	76
26	De novo glomerular osteopontin expression in rat crescentic glomerulonephritis. Kidney International, 1998, 53, 136-145.	2.6	72
27	Tubules are the major site of M-CSF production in experimental kidney disease: Correlation with local macrophage proliferation ¹¹ See Editorial by Rovin, p. 797. Kidney International, 2001, 60, 614-625.	2.6	72
28	mTOR-mediated podocyte hypertrophy regulates glomerular integrity in mice and humans. JCI Insight, 2019, 4, .	2.3	69
29	Activation of the Extracellular-Signal Regulated Protein Kinase Pathway in Human Glomerulopathies. Journal of the American Society of Nephrology: JASN, 2004, 15, 1835-1843.	3.0	65
30	Role of macrophages in the fibrotic phase of rat crescentic glomerulonephritis. American Journal of Physiology - Renal Physiology, 2013, 304, F1043-F1053.	1.3	63
31	Myeloid Mineralocorticoid Receptor Activation Contributes to Progressive Kidney Disease. Journal of the American Society of Nephrology: JASN, 2014, 25, 2231-2240.	3.0	60
32	Activation and cellular localization of the p38 and JNK MAPK pathways in rat crescentic glomerulonephritis. Kidney International, 2003, 64, 2121-2132.	2.6	58
33	Blockade of the c-Jun amino terminal kinase prevents crescent formation and halts established anti-GBM glomerulonephritis in the rat. Laboratory Investigation, 2009, 89, 470-484.	1.7	58
34	c-fms blockade reverses glomerular macrophage infiltration and halts development of crescentic anti-GBM glomerulonephritis in the rat. Laboratory Investigation, 2011, 91, 978-991.	1.7	54
35	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.	1.5	54
36	ASK1: a new therapeutic target for kidney disease. American Journal of Physiology - Renal Physiology, 2016, 311, F373-F381.	1.3	53

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37	Macrophage-Mediated Renal Injury Is Dependent on Signaling via the JNK Pathway. <i>Journal of the American Society of Nephrology: JASN</i> , 2004, 15, 1775-1784.	3.0	51
38	MKK3-p38 signaling promotes apoptosis and the early inflammatory response in the obstructed mouse kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, F1556-F1563.	1.3	51
39	Representing the Process of Inflammation as Key Events in Adverse Outcome Pathways. <i>Toxicological Sciences</i> , 2018, 163, 346-352.	1.4	49
40	<sc>ASK</sc>1 inhibitor treatment suppresses p38/<sc>JNK</sc> signalling with reduced kidney inflammation and fibrosis in rat crescentic glomerulonephritis. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 4522-4533.	1.6	47
41	CD44-mediated neutrophil apoptosis in the rat. <i>Kidney International</i> , 2000, 58, 1920-1930.	2.6	40
42	Smad4 promotes diabetic nephropathy by modulating glycolysis and <sc>OXPHOS</sc>. <i>EMBO Reports</i> , 2020, 21, e48781.	2.0	39
43	Novel 3D analysis using optical tissue clearing documents the evolution of murine rapidly progressive glomerulonephritis. <i>Kidney International</i> , 2019, 96, 505-516.	2.6	35
44	Evaluation of JNK Blockade as an Early Intervention Treatment for Type 1 Diabetic Nephropathy in Hypertensive Rats. <i>American Journal of Nephrology</i> , 2011, 34, 337-346.	1.4	34
45	In vivo visualization of albumin degradation in the proximal tubule. <i>Kidney International</i> , 2008, 74, 1480-1486.	2.6	33
46	CD4+ T cells: a potential player in renal fibrosis. <i>Kidney International</i> , 2010, 78, 333-335.	2.6	31
47	Endothelial Dysfunction Exacerbates Renal Interstitial Fibrosis through Enhancing Fibroblast Smad3 Linker Phosphorylation in the Mouse Obstructed Kidney. <i>PLoS ONE</i> , 2013, 8, e84063.	1.1	29
48	Spleen tyrosine kinase promotes acute neutrophil-mediated glomerular injury via activation of JNK and p38 MAPK in rat nephrotoxic serum nephritis. <i>Laboratory Investigation</i> , 2011, 91, 1727-1738.	1.7	25
49	Regulation of Renal Fibrosis by Smad3 Thr388 Phosphorylation. <i>American Journal of Pathology</i> , 2014, 184, 944-952.	1.9	24
50	IgA Nephropathy Benefits from Compound K Treatment by Inhibiting NF- κ B/NLRP3 Inflammasome and Enhancing Autophagy and SIRT1. <i>Journal of Immunology</i> , 2020, 205, 202-212.	0.4	22
51	Spleen Tyrosine Kinase Signaling Promotes Myeloid Cell Recruitment and Kidney Damage after Renal Ischemia/Reperfusion Injury. <i>American Journal of Pathology</i> , 2016, 186, 2032-2042.	1.9	20
52	Myeloid cell-mediated renal injury in rapidly progressive glomerulonephritis depends upon spleen tyrosine kinase. <i>Journal of Pathology</i> , 2016, 238, 10-20.	2.1	19
53	The Smad3/Smad4/CDK9 complex promotes renal fibrosis in mice with unilateral ureteral obstruction. <i>Kidney International</i> , 2015, 88, 1323-1335.	2.6	18
54	Cyclophilin D promotes tubular cell damage and the development of interstitial fibrosis in the obstructed kidney. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018, 45, 250-260.	0.9	18

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55	Cyclophilin A Promotes Inflammation in Acute Kidney Injury but Not in Renal Fibrosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3667.	1.8	18
56	Cyclophilin Inhibition Protects Against Experimental Acute Kidney Injury and Renal Interstitial Fibrosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 271.	1.8	17
57	Up-regulation of ICAM-1 and VCAM-1 expression during macrophage recruitment in lipid induced glomerular injury in ExHC rats. <i>Nephrology</i> , 1995, 1, 221-232.	0.7	15
58	Local macrophage proliferation in experimental Goodpasture's syndrome. <i>Nephrology</i> , 1995, 1, 151-156.	0.7	13
59	A role for spleen tyrosine kinase in renal fibrosis in the mouse obstructed kidney. <i>Life Sciences</i> , 2016, 146, 192-200.	2.0	13
60	Matrix metalloproteinase-12 deficiency attenuates experimental crescentic anti-glomerular basement membrane glomerulonephritis. <i>Nephrology</i> , 2018, 23, 183-189.	0.7	13
61	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. <i>American Journal of Pathology</i> , 2021, 191, 817-828.	1.9	12
62	Suppression of Rapidly Progressive Mouse Glomerulonephritis with the Non-Steroidal Mineralocorticoid Receptor Antagonist BR-4628. <i>PLoS ONE</i> , 2015, 10, e0145666.	1.1	12
63	Long-term graft survival in patients with chronic antibody-mediated rejection with persistent peritubular capillaritis treated with intravenous immunoglobulin and rituximab. <i>Clinical Transplantation</i> , 2017, 31, e13037.	0.8	11
64	Inhibition of Spleen Tyrosine Kinase Reduces Renal Allograft Injury in a Rat Model of Acute Antibody-Mediated Rejection in Sensitized Recipients. <i>Transplantation</i> , 2017, 101, e240-e248.	0.5	10
65	Human Kidney Organoids and Tubuloids as Models of Complex Kidney Disease. <i>American Journal of Pathology</i> , 2022, 192, 738-749.	1.9	10
66	Establishing equivalent diabetes in male and female Nos3-deficient mice results in a comparable onset of diabetic kidney injury. <i>Physiological Reports</i> , 2019, 7, e14197.	0.7	9
67	Mitogen-Activated Protein Kinases: Functions in Signal Transduction and Human Diseases. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4844.	1.8	9
68	Steroid treatment promotes an M2 anti-inflammatory macrophage phenotype in childhood lupus nephritis. <i>Pediatric Nephrology</i> , 2021, 36, 349-359.	0.9	9
69	Expression of basic fibroblast growth factor and its receptor in the progression of rat crescentic glomerulonephritis. <i>Nephrology</i> , 1995, 1, 569-575.	0.7	8
70	Delayed-type hypersensitivity mediates Bowman's capsule rupture in Tamm-Horsfall protein-induced tubulointerstitial nephritis in the rat. <i>Nephrology</i> , 1996, 2, 417-427.	0.7	8
71	Chloride channel ClC-5 binds to aspartyl aminopeptidase to regulate renal albumin endocytosis. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F784-F792.	1.3	8
72	Editorial: Advances in Mechanisms of Renal Fibrosis. <i>Frontiers in Physiology</i> , 2018, 9, 284.	1.3	8

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73	Combined inhibition of CCR2 and ACE provides added protection against progression of diabetic nephropathy in <i>Nos3</i> -deficient mice. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F1439-F1449.	1.3	8
74	Pharmacological inhibition of protease-activated receptor-2 reduces crescent formation in rat nephrotoxic serum nephritis. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2019, 46, 456-464.	0.9	8
75	Targeting apoptosis signal-regulating kinase 1 in acute and chronic kidney disease. <i>Anatomical Record</i> , 2020, 303, 2553-2560.	0.8	8
76	Tubulointerstitial injury in glomerulonephritis. <i>Nephrology</i> , 1996, 2, s2-s6.	0.7	7
77	Spleen tyrosine kinase contributes to acute renal allograft rejection in the rat. <i>International Journal of Experimental Pathology</i> , 2015, 96, 54-62.	0.6	7
78	Methods in renal research: kidney transplantation in the rat. <i>Nephrology</i> , 2016, 21, 451-456.	0.7	7
79	PAR2 Activation on Human Kidney Tubular Epithelial Cells Induces Tissue Factor Synthesis, That Enhances Blood Clotting. <i>Frontiers in Physiology</i> , 2021, 12, 615428.	1.3	7
80	Intercellular adhesion molecule-1 and tumour necrosis factor- α expression in human glomerulonephritis. <i>Nephrology</i> , 1997, 3, 329-337.	0.7	6
81	An inhibitor of spleen tyrosine kinase suppresses experimental crescentic glomerulonephritis. <i>International Journal of Immunopathology and Pharmacology</i> , 2018, 32, 205873841878340.	1.0	6
82	Omics technologies for kidney disease research. <i>Anatomical Record</i> , 2020, 303, 2729-2742.	0.8	6
83	c-Jun Amino Terminal Kinase Signaling Promotes Aristolochic Acid-Induced Acute Kidney Injury. <i>Frontiers in Physiology</i> , 2021, 12, 599114.	1.3	6
84	Intrarenal synthesis of IL-6 in IgA nephropathy. <i>Nephrology</i> , 1997, 3, 421-430.	0.7	5
85	Cathepsin S-Dependent Protease-Activated Receptor-2 Activation: A New Mechanism of Endothelial Dysfunction. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 1577-1579.	3.0	5
86	Reduced tubular degradation of glomerular filtered plasma albumin is a common feature in acute and chronic kidney disease. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018, 45, 241-249.	0.9	5
87	Cyclophilin D Promotes Acute, but Not Chronic, Kidney Injury in a Mouse Model of Aristolochic Acid Toxicity. <i>Toxins</i> , 2021, 13, 700.	1.5	5
88	EGF and EGF-receptor expression in rat anti-Thy-1 mesangial proliferative nephritis. <i>Nephrology</i> , 1995, 1, 83-93.	0.7	4
89	Interleukin-10: Is it good or bad for the kidney?. <i>Nephrology</i> , 1998, 4, 331-338.	0.7	4
90	The proximal tubule and albuminuria—at last a starring role. <i>Nature Reviews Nephrology</i> , 2015, 11, 573-575.	4.1	4

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91	Protease-activated receptor 2 does not contribute to renal inflammation or fibrosis in the obstructed kidney. <i>Nephrology</i> , 2019, 24, 983-991.	0.7	3
92	The ability of remaining glomerular podocytes to adapt to the loss of their neighbours decreases with age. <i>Cell and Tissue Research</i> , 2022, 388, 439-451.	1.5	3
93	ASK1 is a novel molecular target for preventing aminoglycoside-induced hair cell death. <i>Journal of Molecular Medicine</i> , 2022, 100, 797-813.	1.7	3
94	The application of microwave techniques in multiple immunostaining and in situ hybridization. <i>Nephrology</i> , 1996, 2, s116-s121.	0.7	2
95	Do macrophages participate in mesangial cell proliferation?. <i>Nephrology</i> , 1997, 3, 501-507.	0.7	2
96	PAR2-Induced Tissue Factor Synthesis by Primary Cultures of Human Kidney Tubular Epithelial Cells Is Modified by Glucose Availability. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7532.	1.8	2
97	Mice with Established Diabetes Show Increased Susceptibility to Renal Ischemia/Reperfusion Injury. <i>American Journal of Pathology</i> , 2022, 192, 441-453.	1.9	2
98	Cell-mediated tubulointerstitial nephritis. <i>Clinical and Experimental Nephrology</i> , 1998, 2, 289-294.	0.7	1
99	Long-term anti-glomerular basement membrane disease in the rat: a model of chronic glomerulonephritis with nephrosis, hypertension and progressive renal failure. <i>Nephrology</i> , 2002, 7, 145-154.	0.7	1
100	Monocytes and Macrophages. , 2009, , 267-287.		1
101	Editorial: Immune Landscape of Kidney Pathology. <i>Frontiers in Physiology</i> , 2021, 12, 827537.	1.3	1
102	Molecular analysis of human glomerulonephritis. <i>Nephrology</i> , 1997, 3, s647-s651.	0.7	0
103	Interleukin 1 induces renal CD44 expression in vivo and in vitro: role of the transcription factor Egr-1. <i>Nephrology</i> , 2002, 7, 136-144.	0.7	0
104	MIF in the Pathogenesis of Kidney Disease. , 2007, , 153-168.		0
105	Proximal tubular epithelial cells preferentially endocytose covalently modified albumin compared to native albumin. <i>Nephrology</i> , 2019, 24, 121-126.	0.7	0