# David J Nikolic-Paterson

## List of Publications by Year
## in descending order

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105

papers

8,030

citations

76326

40

h-index

51608

86

g-index

106

all docs

106

docs citations

106

times ranked

9753

citing authors

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 1 | Human Kidney Organoids and Tubuloids as Models of Complex Kidney Disease. American Journal of Pathology, 2022, 192, 738-749. | 3.8 | 10 |
| 2 | Mice with Established Diabetes Show Increased Susceptibility to Renal Ischemia/Reperfusion Injury. American Journal of Pathology, 2022, 192, 441-453. | 3.8 | 2 |
| 3 | The ability of remaining glomerular podocytes to adapt to the loss of their neighbours decreases with age. Cell and Tissue Research, 2022, 388, 439-451. | 2.9 | 3 |
| 4 | ASK1 is a novel molecular target for preventing aminoglycoside-induced hair cell death. Journal of Molecular Medicine, 2022, 100, 797-813. | 3.9 | 3 |
| 5 | Steroid treatment promotes an M2 anti-inflammatory macrophage phenotype in childhood lupus nephritis. Pediatric Nephrology, 2021, 36, 349-359. | 1.7 | 9 |
| 6 | c-Jun Amino Terminal Kinase Signaling Promotes Aristolochic Acid-Induced Acute Kidney Injury. Frontiers in Physiology, 2021, 12, 599114. | 2.8 | 6 |
| 7 | PAR2 Activation on Human Kidney Tubular Epithelial Cells Induces Tissue Factor Synthesis, That Enhances Blood Clotting. Frontiers in Physiology, 2021, 12, 615428. | 2.8 | 7 |
| 8 | 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. | 3.8 | 12 |
| 9 | 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, 7532. | 4.1 | 2 |
| 10 | Cyclophilin Inhibition Protects Against Experimental Acute Kidney Injury and Renal Interstitial Fibrosis. International Journal of Molecular Sciences, 2021, 22, 271. | 4.1 | 17 |
| 11 | Cyclophilin D Promotes Acute, but Not Chronic, Kidney Injury in a Mouse Model of Aristolochic Acid Toxicity. Toxins, 2021, 13, 700. | 3.4 | 5 |
| 12 | Editorial: Immune Landscape of Kidney Pathology. Frontiers in Physiology, 2021, 12, 827537. | 2.8 | 1 |
| 13 | Neural transcription factor Pou4f1 promotes renal fibrosis via macrophageâ€“myofibroblast transition. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20741-20752. | 7.1 | 76 |
| 14 | IgA Nephropathy Benefits from Compound K Treatment by Inhibiting NF-Î°B/NLRP3 Inflammasome and Enhancing Autophagy and SIRT1. Journal of Immunology, 2020, 205, 202-212. | 0.8 | 22 |
| 15 | Cyclophilin A Promotes Inflammation in Acute Kidney Injury but Not in Renal Fibrosis. International Journal of Molecular Sciences, 2020, 21, 3667. | 4.1 | 18 |
| 16 | Omics technologies for kidney disease research. Anatomical Record, 2020, 303, 2729-2742. | 1.4 | 6 |
| 17 | Targeting apoptosis signalâ€regulating kinase 1 in acute and chronic kidney disease. Anatomical Record, 2020, 303, 2553-2560. | 1.4 | 8 |
| 18 | Smad4 promotes diabetic nephropathy by modulating glycolysis and <scp>OXPHOS</scp>. EMBO Reports, 2020, 21, e48781. | 4.5 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Proteaseâ€activated receptor 2 does not contribute to renal inflammation or fibrosis in the obstructed kidney. Nephrology, 2019, 24, 983-991. | 1.6 | 3 |
| 20 | Combined inhibition of CCR2 and ACE provides added protection against progression of diabetic nephropathy in <i>Nos3</i>-deficient mice. American Journal of Physiology - Renal Physiology, 2019, 317, F1439-F1449. | 2.7 | 8 |
| 21 | Establishing equivalent diabetes in male and female Nos3â€deficient mice results in a comparable onset of diabetic kidney injury. Physiological Reports, 2019, 7, e14197. | 1.7 | 9 |
| 22 | Mitogen-Activated Protein Kinases: Functions in Signal Transduction and Human Diseases. International Journal of Molecular Sciences, 2019, 20, 4844. | 4.1 | 9 |
| 23 | Macrophages: versatile players in renal inflammation and fibrosis. Nature Reviews Nephrology, 2019, 15, 144-158. | 9.6 | 551 |
| 24 | Novel 3D analysis using optical tissue clearing documents the evolution of murine rapidly progressive glomerulonephritis. Kidney International, 2019, 96, 505-516. | 5.2 | 35 |
| 25 | Pharmacological inhibition of proteaseâ€activated receptorâ€2 reduces crescent formation in rat nephrotoxic serum nephritis. Clinical and Experimental Pharmacology and Physiology, 2019, 46, 456-464. | 1.9 | 8 |
| 26 | Proximal tubular epithelial cells preferentially endocytose covalentlyâ€modified albumin compared to native albumin. Nephrology, 2019, 24, 121-126. | 1.6 | 0 |
| 27 | mTOR-mediated podocyte hypertrophy regulates glomerular integrity in mice and humans. JCI Insight, 2019, 4, . | 5.0 | 69 |
| 28 | Matrix metalloproteinaseâ€12 deficiency attenuates experimental crescentic antiâ€glomerular basement membrane glomerulonephritis. Nephrology, 2018, 23, 183-189. | 1.6 | 13 |
| 29 | 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. | 1.9 | 18 |
| 30 | 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. | 1.9 | 5 |
| 31 | ASK1 contributes to fibrosis and dysfunction in models of kidney disease. Journal of Clinical Investigation, 2018, 128, 4485-4500. | 8.2 | 104 |
| 32 | Representing the Process of Inflammation as Key Events in Adverse Outcome Pathways. Toxicological Sciences, 2018, 163, 346-352. | 3.1 | 49 |
| 33 | Editorial: Advances in Mechanisms of Renal Fibrosis. Frontiers in Physiology, 2018, 9, 284. | 2.8 | 8 |
| 34 | <scp>ASK</scp>1 inhibitor treatment suppresses p38/<scp>JNK</scp> signalling with reduced kidney inflammation and fibrosis in rat crescentic glomerulonephritis. Journal of Cellular and Molecular Medicine, 2018, 22, 4522-4533. | 3.6 | 47 |
| 35 | An inhibitor of spleen tyrosine kinase suppresses experimental crescentic glomerulonephritis. International Journal of Immunopathology and Pharmacology, 2018, 32, 205873841878340. | 2.1 | 6 |
| 36 | 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. | 6.1 | 250 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 37 | 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. | 1.0 | 10 |
| 38 | Longâ€term graft survival in patients with chronic antibodyâ€mediated rejection with persistent peritubular capillaritis treated with intravenous immunoglobulin and rituximab. Clinical Transplantation, 2017, 31, e13037. | 1.6 | 11 |
| 39 | The JNK Signaling Pathway in Renal Fibrosis. Frontiers in Physiology, 2017, 8, 829. | 2.8 | 156 |
| 40 | TGF-Î²/Smad3 signalling regulates the transition of bone marrow-derived macrophages into myofibroblasts during tissue fibrosis. Oncotarget, 2016, 7, 8809-8822. | 1.8 | 172 |
| 41 | Inflammatory macrophages can transdifferentiate into myofibroblasts during renal fibrosis. Cell Death and Disease, 2016, 7, e2495-e2495. | 6.3 | 215 |
| 42 | TGF-Î²: the master regulator of fibrosis. Nature Reviews Nephrology, 2016, 12, 325-338. | 9.6 | 2,269 |
| 43 | ASK1: a new therapeutic target for kidney disease. American Journal of Physiology - Renal Physiology, 2016, 311, F373-F381. | 2.7 | 53 |
| 44 | Methods in renal research: kidney transplantation in the rat. Nephrology, 2016, 21, 451-456. | 1.6 | 7 |
| 45 | Myeloid cellâ€mediated renal injury in rapidly progressive glomerulonephritis depends upon spleen tyrosine kinase. Journal of Pathology, 2016, 238, 10-20. | 4.5 | 19 |
| 46 | Spleen Tyrosine Kinase Signaling Promotes Myeloid Cell Recruitment and Kidney Damage after Renal Ischemia/Reperfusion Injury. American Journal of Pathology, 2016, 186, 2032-2042. | 3.8 | 20 |
| 47 | A role for spleen tyrosine kinase in renal fibrosis in the mouse obstructed kidney. Life Sciences, 2016, 146, 192-200. | 4.3 | 13 |
| 48 | Cathepsin Sâ€“Dependent Proteaseâ€“Activated Receptor-2 Activation: A New Mechanism of Endothelial Dysfunction. Journal of the American Society of Nephrology: JASN, 2016, 27, 1577-1579. | 6.1 | 5 |
| 49 | Chloride channel ClC-5 binds to aspartyl aminopeptidase to regulate renal albumin endocytosis. American Journal of Physiology - Renal Physiology, 2015, 308, F784-F792. | 2.7 | 8 |
| 50 | The proximal tubule and albuminuriaâ€"at last a starring role. Nature Reviews Nephrology, 2015, 11, 573-575. | 9.6 | 4 |
| 51 | The Smad3/Smad4/CDK9 complex promotes renal fibrosis in mice with unilateral ureteral obstruction. Kidney International, 2015, 88, 1323-1335. | 5.2 | 18 |
| 52 | ASK1 Inhibitor Halts Progression of Diabetic Nephropathy in <i>Nos3</i>-Deficient Mice. Diabetes, 2015, 64, 3903-3913. | 0.6 | 76 |
| 53 | Spleen tyrosine kinase contributes to acute renal allograft rejection in the rat. International Journal of Experimental Pathology, 2015, 96, 54-62. | 1.3 | 7 |
| 54 | Suppression of Rapidly Progressive Mouse Glomerulonephritis with the Non-Steroidal Mineralocorticoid Receptor Antagonist BR-4628. PLoS ONE, 2015, 10, e0145666. | 2.5 | 12 |

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|---|---|---|---|
| 55 | Macrophages promote renal fibrosis through direct and indirect mechanisms. Kidney International Supplements, 2014, 4, 34-38. | 14.2 | 177 |
| 56 | Myeloid Mineralocorticoid Receptor Activation Contributes to Progressive Kidney Disease. Journal of the American Society of Nephrology: JASN, 2014, 25, 2231-2240. | 6.1 | 60 |
| 57 | 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. | 2.7 | 87 |
| 58 | Regulation of Renal Fibrosis by Smad3 Thr388 Phosphorylation. American Journal of Pathology, 2014, 184, 944-952. | 3.8 | 24 |
| 59 | Inflammatory processes in renal fibrosis. Nature Reviews Nephrology, 2014, 10, 493-503. | 9.6 | 531 |
| 60 | Role of macrophages in the fibrotic phase of rat crescentic glomerulonephritis. American Journal of Physiology - Renal Physiology, 2013, 304, F1043-F1053. | 2.7 | 63 |
| 61 | Endothelial Dysfunction Exacerbates Renal Interstitial Fibrosis through Enhancing Fibroblast Smad3 Linker Phosphorylation in the Mouse Obstructed Kidney. PLoS ONE, 2013, 8, e84063. | 2.5 | 29 |
| 62 | Resolvins E1 and D1 inhibit interstitial fibrosis in the obstructed kidney via inhibition of local fibroblast proliferation. Journal of Pathology, 2012, 228, 506-519. | 4.5 | 85 |
| 63 | TGF-Î²1-activated kinase-1 regulates inflammation and fibrosis in the obstructed kidney. American Journal of Physiology - Renal Physiology, 2011, 300, F1410-F1421. | 2.7 | 92 |
| 64 | c-fms blockade reverses glomerular macrophage infiltration and halts development of crescentic anti-GBM glomerulonephritis in the rat. Laboratory Investigation, 2011, 91, 978-991. | 3.7 | 54 |
| 65 | 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, 1727-1738. | 3.7 | 25 |
| 66 | Evaluation of JNK Blockade as an Early Intervention Treatment for Type 1 Diabetic Nephropathy in Hypertensive Rats. American Journal of Nephrology, 2011, 34, 337-346. | 3.1 | 34 |
| 67 | CD4+ T cells: a potential player in renal fibrosis. Kidney International, 2010, 78, 333-335. | 5.2 | 31 |
| 68 | 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. | 3.7 | 58 |
| 69 | Monocytes and Macrophages. , 2009, , 267-287. |  | 1 |
| 70 | Disease-dependent mechanisms of albuminuria. American Journal of Physiology - Renal Physiology, 2008, 295, F1589-F1600. | 2.7 | 130 |
| 71 | In vivo visualization of albumin degradation in the proximal tubule. Kidney International, 2008, 74, 1480-1486. | 5.2 | 33 |
| 72 | 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, 472-484. | 6.1 | 152 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 73 | MIF in the Pathogenesis of Kidney Disease. , 2007, , 153-168. | | 0 |
| 74 | MKK3-p38 signaling promotes apoptosis and the early inflammatory response in the obstructed mouse kidney. American Journal of Physiology - Renal Physiology, 2007, 293, F1556-F1563. | 2.7 | 51 |
| 75 | The Role of p38Î± Mitogen-Activated Protein Kinase Activation in Renal Fibrosis. Journal of the American Society of Nephrology: JASN, 2004, 15, 370-379. | 6.1 | 184 |
| 76 | 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. | 6.1 | 84 |
| 77 | Macrophage-Mediated Renal Injury Is Dependent on Signaling via the JNK Pathway. Journal of the American Society of Nephrology: JASN, 2004, 15, 1775-1784. | 6.1 | 51 |
| 78 | Activation of the Extracellular-Signal Regulated Protein Kinase Pathway in Human Glomerulopathies. Journal of the American Society of Nephrology: JASN, 2004, 15, 1835-1843. | 6.1 | 65 |
| 79 | Activation and cellular localization of the p38 and JNK MAPK pathways in rat crescentic glomerulonephritis. Kidney International, 2003, 64, 2121-2132. | 5.2 | 58 |
| 80 | Adoptive transfer studies demonstrate that macrophages can induce proteinuria and mesangial cell proliferation. Kidney International, 2003, 63, 83-95. | 5.2 | 135 |
| 81 | Activation of the ERK pathway precedes tubular proliferation in the obstructed rat kidney. Kidney International, 2003, 63, 1256-1264. | 5.2 | 90 |
| 82 | Blockade of p38Î± MAPK Ameliorates Acute Inflammatory Renal Injury in Rat Anti-GBM Glomerulonephritis. Journal of the American Society of Nephrology: JASN, 2003, 14, 338-351. | 6.1 | 101 |
| 83 | Interleukin 1 induces renal CD44 expression in vivo and in vitro: role of the transcription factor Egr-1. Nephrology, 2002, 7, 136-144. | 1.6 | 0 |
| 84 | Long-term anti-glomerular basement membrane disease in the rat: a model of chronic glomerulonephritis with nephrosis, hypertension and progressive renal failure. Nephrology, 2002, 7, 145-154. | 1.6 | 1 |
| 85 | 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. | 3.3 | 54 |
| 86 | Tubules are the major site of M-CSF production in experimental kidney disease: Correlation with local macrophage proliferation11See Editorial by Rovin, p. 797. Kidney International, 2001, 60, 614-625. | 5.2 | 72 |
| 87 | Tubular phenotypic change in progressive tubulointerstitial fibrosis in human glomerulonephritis. American Journal of Kidney Diseases, 2001, 38, 761-769. | 1.9 | 128 |
| 88 | CD44-mediated neutrophil apoptosis in the rat. Kidney International, 2000, 58, 1920-1930. | 5.2 | 40 |
| 89 | In Vivo Administration of a Nuclear Transcription Factor-Îº B Decoy Suppresses Experimental Crescentic Glomerulonephritis. Journal of the American Society of Nephrology: JASN, 2000, 11, 1244-1252. | 6.1 | 101 |
| 90 | Interleukin-10: Is it good or bad for the kidney?. Nephrology, 1998, 4, 331-338. | 1.6 | 4 |

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|---|---|---|---|
| 91 | Cell-mediated tubulointerstitial nephritis. Clinical and Experimental Nephrology, 1998, 2, 289-294. | 1.6 | 1 |
| 92 | Tubular epithelial-myofibroblast transdifferentiation in progressive tubulointerstitial fibrosis in 5/6 nephrectomized rats. Kidney International, 1998, 54, 864-876. | 5.2 | 349 |
| 93 | De novo glomerular osteopontin expression in rat crescentic glomerulonephritis. Kidney International, 1998, 53, 136-145. | 5.2 | 72 |
| 94 | Do macrophages participate in mesangial cell proliferation?. Nephrology, 1997, 3, 501-507. | 1.6 | 2 |
| 95 | Intercellular adhesion molecule-1 and tumour necrosis factor-? expression in human glomerulonephritis. Nephrology, 1997, 3, 329-337. | 1.6 | 6 |
| 96 | Intrarenal synthesis of IL-6 in IgA nephropathy. Nephrology, 1997, 3, 421-430. | 1.6 | 5 |
| 97 | Molecular analysis of human glomerulonephritis. Nephrology, 1997, 3, s647-s651. | 1.6 | 0 |
| 98 | Delayed-type hypersensitivity mediates Bowman's capsule rupture in Tamm?Horsfall protein-induced tubulointerstitial nephritis in the rat. Nephrology, 1996, 2, 417-427. | 1.6 | 8 |
| 99 | Tubulointerstitial injury in glomerulonephritis. Nephrology, 1996, 2, s2-s6. | 1.6 | 7 |
| 100 | The application of microwave techniques in multiple immunostaining and in situ hybridization. Nephrology, 1996, 2, s116-s121. | 1.6 | 2 |
| 101 | EGF and EGF-receptor expression in rat anti-Thy-1 mesangial proliferative nephritis. Nephrology, 1995, 1, 83-93. | 1.6 | 4 |
| 102 | Local macrophage proliferation in experimental Goodpasture's syndrome. Nephrology, 1995, 1, 151-156. | 1.6 | 13 |
| 103 | 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. | 1.6 | 15 |
| 104 | Expression of basic fibroblast growth factor and its receptor in the progression of rat crescentic glomerulonephritis. Nephrology, 1995, 1, 569-575. | 1.6 | 8 |
| 105 | Suppression of experimental crescentic glomerulonephritis by the interleukin-1 receptor antagonist. Kidney International, 1993, 43, 479-485. | 5.2 | 140 |