# Jaap A Joles

## List of Publications by Year in descending order

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|---|---|---|---|
| 215 papers | 8,768 citations | 41344 49 h-index | 54911 84 g-index |
| 216 all docs | 216 docs citations | 216 times ranked | 10904 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Glomerular Hyperfiltration in Diabetes: Mechanisms, Clinical Significance, and Treatment. Journal of the American Society of Nephrology: JASN, 2017, 28, 1023-1039. | 6.1 | 528 |
| 2 | The severe cardiorenal syndrome: â€˜Guyton revisitedâ€™. European Heart Journal, 2005, 26, 11-17. | 2.2 | 415 |
| 3 | Toll-Like Receptor 4 Mediates Maladaptive Left Ventricular Remodeling and Impairs Cardiac Function After Myocardial Infarction. Circulation Research, 2008, 102, 257-264. | 4.5 | 298 |
| 4 | European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). Redox Biology, 2017, 13, 94-162. | 9.0 | 242 |
| 5 | GLP-1 and the kidney: from physiology to pharmacology and outcomes in diabetes. Nature Reviews Nephrology, 2017, 13, 605-628. | 9.6 | 233 |
| 6 | The renal hemodynamic effects of the SGLT2 inhibitor dapagliflozin are caused by post-glomerular vasodilatation rather than pre-glomerular vasoconstriction in metformin-treated patients with type 2 diabetes in the randomized, double-blind RED trial. Kidney International, 2020, 97, 202-212. | 5.2 | 225 |
| 7 | Haemodynamic influences on kidney oxygenation: Clinical implications of integrative physiology. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 106-122. | 1.9 | 209 |
| 8 | FAN1 mutations cause karyomegalic interstitial nephritis, linking chronic kidney failure to defective DNA damage repair. Nature Genetics, 2012, 44, 910-915. | 21.4 | 205 |
| 9 | Sympathetic Hyperactivity in Chronic Renal Failure. Journal of the American Society of Nephrology: JASN, 2004, 15, 524-537. | 6.1 | 183 |
| 10 | Human Embryonic Mesenchymal Stem Cell-Derived Conditioned Medium Rescues Kidney Function in Rats with Established Chronic Kidney Disease. PLoS ONE, 2012, 7, e38746. | 2.5 | 173 |
| 11 | Bone-Marrow-Derived Cells Contribute to Glomerular Endothelial Repair in Experimental Glomerulonephritis. American Journal of Pathology, 2003, 163, 553-562. | 3.8 | 166 |
| 12 | Early Mechanisms of Renal Injury in Hypercholesterolemic or Hypertriglyceridemic Rats. Journal of the American Society of Nephrology: JASN, 2000, 11, 669-683. | 6.1 | 159 |
| 13 | Causes and Consequences of Increased Sympathetic Activity in Renal Disease. Hypertension, 2004, 43, 699-706. | 2.7 | 153 |
| 14 | Multiple common comorbidities produce left ventricular diastolic dysfunction associated with coronary microvascular dysfunction, oxidative stress, and myocardial stiffening. Cardiovascular Research, 2018, 114, 954-964. | 3.8 | 148 |
| 15 | Circulating angiopoietin-like 4 links proteinuria with hypertriglyceridemia in nephrotic syndrome. Nature Medicine, 2014, 20, 37-46. | 30.7 | 140 |
| 16 | Mixed matrix hollow fiber membranes for removal of protein-bound toxins from human plasma. Biomaterials, 2013, 34, 7819-7828. | 11.4 | 124 |
| 17 | CTGF Inhibits BMP-7 Signaling in Diabetic Nephropathy. Journal of the American Society of Nephrology: JASN, 2008, 19, 2098-2107. | 6.1 | 123 |
| 18 | Hypoalbuminemia causes high blood viscosity by increasing red cell lysophosphatidylcholine. Kidney International, 1997, 52, 761-770. | 5.2 | 119 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Tetrahydrobiopterin, but Not <scp>l</scp> -Arginine, Decreases NO Synthase Uncoupling in Cells Expressing High Levels of Endothelial NO Synthase. Hypertension, 2006, 47, 87-94. | 2.7 | 114 |
| 20 | Cardiorenal syndromeâ€"current understanding and future perspectives. Nature Reviews Nephrology, 2014, 10, 48-55. | 9.6 | 114 |
| 21 | A novel approach for blood purification: Mixed-matrix membranes combining diffusion and adsorption in one step. Acta Biomaterialia, 2012, 8, 2279-2287. | 8.3 | 108 |
| 22 | Perinatal l -Arginine and Antioxidant Supplements Reduce Adult Blood Pressure in Spontaneously Hypertensive Rats. Hypertension, 2004, 44, 83-88. | 2.7 | 107 |
| 23 | Oxidative stress in obstructive nephropathy. International Journal of Experimental Pathology, 2011, 92, 202-210. | 1.3 | 100 |
| 24 | Acute renal effects of the GLP-1 receptor agonist exenatide in overweight type 2 diabetes patients: a randomised, double-blind, placebo-controlled trial. Diabetologia, 2016, 59, 1412-1421. | 6.3 | 94 |
| 25 | Magnetic resonance imaging biomarkers for chronic kidney disease: a position paper from the European Cooperation in Science and Technology Action PARENCHIMA. Nephrology Dialysis Transplantation, 2018, 33, ii4-ii14. | 0.7 | 91 |
| 26 | Systemic arterial and venous determinants of renal hemodynamics in congestive heart failure. Heart Failure Reviews, 2012, 17, 161-175. | 3.9 | 83 |
| 27 | Cell-based therapies for experimental chronic kidney disease: a systematic review and meta-analysis. DMM Disease Models and Mechanisms, 2015, 8, 281-93. | 2.4 | 81 |
| 28 | Renal Effects of DPP-4 Inhibitor Sitagliptin or GLP-1 Receptor Agonist Liraglutide in Overweight Patients With Type 2 Diabetes: A 12-Week, Randomized, Double-Blind, Placebo-Controlled Trial. Diabetes Care, 2016, 39, 2042-2050. | 8.6 | 81 |
| 29 | Reprogramming: A Preventive Strategy in Hypertension Focusing on the Kidney. International Journal of Molecular Sciences, 2016, 17, 23. | 4.1 | 79 |
| 30 | Target organ cross talk in cardiorenal syndrome: animal models. American Journal of Physiology - Renal Physiology, 2012, 303, F1253-F1263. | 2.7 | 77 |
| 31 | A systematic review and meta-analysis of COVID-19 in kidney transplant recipients: Lessons to be learned. American Journal of Transplantation, 2021, 21, 3936-3945. | 4.7 | 76 |
| 32 | Maternal Supplementation With Citrulline Increases Renal Nitric Oxide in Young Spontaneously Hypertensive Rats and Has Long-Term Antihypertensive Effects. Hypertension, 2007, 50, 1077-1084. | 2.7 | 75 |
| 33 | Programming blood pressure in adult SHR by shifting perinatal balance of NO and reactive oxygen species toward NO: the inverted Barker phenomenon. American Journal of Physiology - Renal Physiology, 2005, 288, F626-F636. | 2.7 | 74 |
| 34 | Broadly Altered Gene Expression in Blood Leukocytes in Essential Hypertension Is Absent During Treatment. Hypertension, 2004, 43, 947-951. | 2.7 | 73 |
| 35 | Sildenafil During Pregnancy. Hypertension, 2017, 70, 998-1006. | 2.7 | 69 |
| 36 | In mice, proteinuria and renal inflammatory responses to albumin overload are strain-dependent. Nephrology Dialysis Transplantation, 2006, 21, 591-597. | 0.7 | 66 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Hydrogen sulfide in hypertension. Current Opinion in Nephrology and Hypertension, 2016, 25, 107-113. | 2.0 | 66 |
| 38 | CONVERSION TO MYCOPHENOLATE MOFETIL IN CONJUNCTION WITH STEPWISE WITHDRAWAL OF CYCLOSPORINE IN STABLE RENAL TRANSPLANT RECIPIENTS1. Transplantation, 2000, 69, 376-383. | 1.0 | 66 |
| 39 | Distinct Endothelial Cell Responses in the Heart and Kidney Microvasculature Characterize the Progression of Heart Failure With Preserved Ejection Fraction in the Obese ZSF1 Rat With Cardiorenal Metabolic Syndrome. Circulation: Heart Failure, 2016, 9, e002760. | 3.9 | 62 |
| 40 | Loss of Endogenous Bone Morphogenetic Protein-6 Aggravates Renal Fibrosis. American Journal of Pathology, 2011, 178, 1069-1079. | 3.8 | 58 |
| 41 | From portable dialysis to a bioengineered kidney. Expert Review of Medical Devices, 2018, 15, 323-336. | 2.8 | 57 |
| 42 | Estrogen induces glomerulosclerosis in analbuminemic rats. Kidney International, 1998, 53, 862-868. | 5.2 | 55 |
| 43 | Hydrogen sulfide: physiological properties and therapeutic potential in ischaemia. British Journal of Pharmacology, 2015, 172, 1479-1493. | 5.4 | 54 |
| 44 | Proteinuria is preceded by decreased nitric oxide synthesis and prevented by a NO donor in cholesterol-fed rats. Kidney International, 2002, 61, 1776-1787. | 5.2 | 53 |
| 45 | Removal of Urea in a Wearable Dialysis Device: A Reappraisal of Electroâ€Oxidation. Artificial Organs, 2014, 38, 998-1006. | 1.9 | 53 |
| 46 | Postprandial renal haemodynamic effect of lixisenatide vs onceâ€daily insulinâ€glulisine in patients with type 2 diabetes on insulinâ€glargine: An 8â€week, randomised, openâ€label trial. Diabetes, Obesity and Metabolism, 2017, 19, 1669-1680. | 4.4 | 52 |
| 47 | Vitamin E Alleviates Renal Injury, but Not Hypertension, during Chronic Nitric Oxide Synthase Inhibition in Rats. Journal of the American Society of Nephrology: JASN, 2001, 12, 2585-2593. | 6.1 | 52 |
| 48 | Soluble epoxide hydrolase in the generation and maintenance of high blood pressure in spontaneously hypertensive rats. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E691-E698. | 3.5 | 51 |
| 49 | Early-Onset But Not Late-Onset Endothelin-Aâ€"Receptor Blockade Can Modulate Hypertension, Cerebral Edema, and Proteinuria in Stroke-Prone Hypertensive Rats. Hypertension, 1999, 33, 137-144. | 2.7 | 50 |
| 50 | Early determinants of cardiovascular disease. Best Practice and Research in Clinical Endocrinology and Metabolism, 2012, 26, 581-597. | 4.7 | 49 |
| 51 | Chronic Kidney Disease as a Risk Factor for Heart Failure With Preserved Ejection Fraction: A Focus on Microcirculatory Factors and Therapeutic Targets. Frontiers in Physiology, 2019, 10, 1108. | 2.8 | 49 |
| 52 | Antiâ€inflammatory effects of tetrahydrobiopterin on early rejection in renal allografts: modulation of inducible nitric oxide synthase. FASEB Journal, 2002, 16, 1135-1137. | 0.5 | 48 |
| 53 | Healthy Bone Marrow Cells Reduce Progression of Kidney Failure Better than CKD Bone Marrow Cells in Rats with Established Chronic Kidney Disease. Cell Transplantation, 2012, 21, 2299-2312. | 2.5 | 48 |
| 54 | Albumin handling in different hemodialysis modalities. Nephrology Dialysis Transplantation, 2018, 33, 906-913. | 0.7 | 47 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Enalapril Prevents Imminent and Reduces Manifest Cerebral Edema in Stroke-Prone Hypertensive Rats. Stroke, 1998, 29, 1671-1678. | 2.0 | 44 |
| 56 | Impaired endothelial function in patients with nephritic range proteinuria. Kidney International, 1995, 48, 544-550. | 5.2 | 40 |
| 57 | Fighting Oxidative Stress with Sulfur: Hydrogen Sulfide in the Renal and Cardiovascular Systems. Antioxidants, 2021, 10, 373. | 5.1 | 40 |
| 58 | Losartan-sensitive renal damage caused by chronic NOS inhibition does not involve increased renal angiotensin II concentrations. Kidney International, 1999, 56, 222-231. | 5.2 | 39 |
| 59 | Renal sinus fat and renal hemodynamics: a cross-sectional analysis. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 73-80. | 2.0 | 39 |
| 60 | Unraveling the role of thiosulfate sulfurtransferase in metabolic diseases. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165716. | 3.8 | 39 |
| 61 | L-Arginine Supplementation Improves Function and Reduces Inflammation in Renal Allografts. Journal of the American Society of Nephrology: JASN, 2001, 12, 361-367. | 6.1 | 39 |
| 62 | Blood volume, colloid osmotic pressure and F-cell ratio in children with the nephrotic syndrome. Kidney International, 1996, 49, 1471-1477. | 5.2 | 38 |
| 63 | Proteinuria Precedes Cerebral Edema in Stroke-Prone Rats. Stroke, 1998, 29, 167-174. | 2.0 | 36 |
| 64 | NO dependency of RBF and autoregulation in the spontaneously hypertensive rat. American Journal of Physiology - Renal Physiology, 2003, 285, F105-F112. | 2.7 | 36 |
| 65 | Oleic acid increases mitochondrial reactive oxygen species production and decreases endothelial nitric oxide synthase activity in cultured endothelial cells. European Journal of Pharmacology, 2015, 751, 67-72. | 3.5 | 36 |
| 66 | Inducible nitric oxide synthase in renal transplantation. Kidney International, 2002, 61, 872-875. | 5.2 | 32 |
| 67 | Perturbations in myocardial perfusion and oxygen balance in swine with multiple risk factors: a novel model of ischemia and no obstructive coronary artery disease. Basic Research in Cardiology, 2020, 115, 21. | 5.9 | 32 |
| 68 | Plasma Volume Regulation: Defences against Edema Formation (with Special Emphasis on) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td | 3.1 | 31 |
| 69 | Beneficial effects of diminished production of hydrogen sulfide or carbon monoxide on hypertension and renal injury induced by <scp>NO</scp> withdrawal. British Journal of Pharmacology, 2015, 172, 1607-1619. | 5.4 | 31 |
| 70 | Lipoprotein phospholipid composition and LCAT activity in nephrotic and analbuminemic rats. Kidney International, 1994, 46, 97-104. | 5.2 | 30 |
| 71 | SGLT2 Inhibition and Uric Acid Excretion in Patients with Type 2 Diabetes and Normal Kidney Function. Clinical Journal of the American Society of Nephrology: CJASN, 2022, 17, 663-671. | 4.5 | 30 |
| 72 | Hypercholesterolemia in Rats Induces Podocyte Stress and Decreases Renal Cortical Nitric Oxide Synthesis via an Angiotensin II Type 1 Receptor-Sensitive Mechanism. Journal of the American Society of Nephrology: JASN, 2004, 15, 949-957. | 6.1 | 29 |

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|---|---|---|---|
| 73 | Temporary losartan or captopril in young SHR induces malignant hypertension despite initial normotension. Kidney International, 2004, 65, 575-581. | 5.2 | 29 |
| 74 | Nitric Oxideâ€“Dependent and Nitric Oxideâ€“Independent Transcriptional Responses to High Shear Stress in Endothelial Cells. Hypertension, 2005, 45, 672-680. | 2.7 | 29 |
| 75 | Creating a wearable artificial kidney: where are we now?. Expert Review of Medical Devices, 2015, 12, 373-376. | 2.8 | 29 |
| 76 | Renal hemodynamic effects of sodium-glucose cotransporter 2 inhibitors inÂhyperfiltering people with type 1 diabetes andÂpeople with type 2 diabetes and normal kidney function. Kidney International, 2020, 97, 631-635. | 5.2 | 29 |
| 77 | Central role for melanocortin-4 receptors in offspring hypertension arising from maternal obesity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12298-12303. | 7.1 | 28 |
| 78 | A plasma creatinine- and urea-based equation to estimate glomerular filtration rate in rats. American Journal of Physiology - Renal Physiology, 2021, 320, F518-F524. | 2.7 | 28 |
| 79 | Male gender increases sensitivity to renal injury in response to cholesterol loading. American Journal of Physiology - Renal Physiology, 2003, 284, F718-F726. | 2.7 | 27 |
| 80 | Angiotensinâ€“neprilysin inhibition confers renoprotection in rats with diabetes and hypertension by limiting podocyte injury. Journal of Hypertension, 2020, 38, 755-764. | 0.5 | 27 |
| 81 | Both male and female obese ZSF1 rats develop cardiac dysfunction in obesity-induced heart failure with preserved ejection fraction. PLoS ONE, 2020, 15, e0232399. | 2.5 | 26 |
| 82 | Multiparametric Renal MRI: An Intrasubject Testâ€“Retest Repeatability Study. Journal of Magnetic Resonance Imaging, 2021, 53, 859-873. | 3.4 | 26 |
| 83 | Perinatal inhibition of NF-kappaB has long-term antihypertensive effects in spontaneously hypertensive rats. Journal of Hypertension, 2011, 29, 1160-1166. | 0.5 | 25 |
| 84 | Exogenous and endogenous angiotensinâ€‘II decrease renal cortical oxygen tension in conscious rats by limiting renal blood flow. Journal of Physiology, 2016, 594, 6287-6300. | 2.9 | 25 |
| 85 | Exposure to placental ischemia impairs postpartum maternal renal and cardiac function in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R664-R670. | 1.8 | 25 |
| 86 | Sodium thiosulfate improves renal function andÂoxygenation in L-NNAâ€“induced hypertension in rats. Kidney International, 2020, 98, 366-377. | 5.2 | 25 |
| 87 | EFFICACY AND MUSCLE SAFETY OF FLUVASTATIN IN CYCLOSPORINE-TREATED CARDIAC AND RENAL TRANSPLANT RECIPIENTS. Transplantation, 1998, 66, 1175-1181. | 1.0 | 25 |
| 88 | Hypoalbuminemia increases lysophosphatidylcholine in low-density lipoprotein of normocholesterolemic subjects. Kidney International, 1999, 55, 1005-1010. | 5.2 | 24 |
| 89 | Albumin restores lysophosphatidylcholine-induced inhibition of vasodilation in rat aorta. Kidney International, 2001, 60, 1088-1096. | 5.2 | 24 |
| 90 | The nitric oxide donor molsidomine rescues cardiac function in rats with chronic kidney disease and cardiac dysfunction. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H2037-H2045. | 3.2 | 24 |

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|---|---|---|---|
| 91 | Involvement of Connective Tissue Growth Factor in Human and Experimental Hypertensive Nephrosclerosis. Nephron Experimental Nephrology, 2010, 117, e9-e20. | 2.2 | 24 |
| 92 | Renal transplantation induces mitochondrial uncoupling, increased kidney oxygen consumption, and decreased kidney oxygen tension. American Journal of Physiology - Renal Physiology, 2015, 308, F22-F28. | 2.7 | 24 |
| 93 | Renal tubular effects of prolonged therapy with the GLP-1 receptor agonist lixisenatide in patients with type 2 diabetes mellitus. American Journal of Physiology - Renal Physiology, 2019, 316, F231-F240. | 2.7 | 24 |
| 94 | Endothelial function in proteinuric renal disease. Kidney International, 1999, 56, S57-S61. | 5.2 | 23 |
| 95 | Detection of basal NO production in rat tissues using ironâ€“dithiocarbamate complexes. Nitric Oxide - Biology and Chemistry, 2008, 18, 279-286. | 2.7 | 23 |
| 96 | A perinatal nitric oxide donor increases renal vascular resistance and ameliorates hypertension and glomerular injury in adult fawn-hooded hypertensive rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1847-R1855. | 1.8 | 23 |
| 97 | Protective role of female gender in programmed accelerated renal aging in the rat. Physiological Reports, 2015, 3, e12342. | 1.7 | 23 |
| 98 | Effect of immediate and prolonged GLPâ€1 receptor agonist administration on uric acid and kidney clearance: Postâ€hoc analyses of four clinical trials. Diabetes, Obesity and Metabolism, 2018, 20, 1235-1245. | 4.4 | 23 |
| 99 | Visualizing Tubular Lipid Peroxidation in Intact Renal Tissue in Hypertensive Rats. Journal of the American Society of Nephrology: JASN, 2002, 13, 2990-2996. | 6.1 | 22 |
| 100 | The role of nitric oxide in renal transplantation. Seminars in Nephrology, 2004, 24, 379-388. | 1.6 | 22 |
| 101 | Perinatal Micronutrient Supplements Ameliorate Hypertension and Proteinuria in Adult Fawn-Hooded Hypertensive Rats. American Journal of Hypertension, 2010, 23, 802-808. | 2.0 | 22 |
| 102 | dl-propargylglycine reduces blood pressure and renal injury but increases kidney weight in angiotensin-II infused rats. Nitric Oxide - Biology and Chemistry, 2015, 49, 56-66. | 2.7 | 22 |
| 103 | Role of Circulating Karyocytes in the Initiation and Progression of Atherosclerosis. Hypertension, 2006, 47, 803-810. | 2.7 | 21 |
| 104 | Transcriptome-based identification of pro- and antioxidative gene expression in kidney cortex of nitric oxide-depleted rats. Physiological Genomics, 2007, 28, 158-167. | 2.3 | 21 |
| 105 | Effect of GFR on Plasma N-Terminal Connective Tissue Growth Factor (CTGF) Concentrations. American Journal of Kidney Diseases, 2012, 59, 619-627. | 1.9 | 21 |
| 106 | Chromatin Conformation Links Distal Target Genes to CKD Loci. Journal of the American Society of Nephrology: JASN, 2018, 29, 462-476. | 6.1 | 21 |
| 107 | Estrogen effects on triglyceride metabolism in analbuminemic rats. Kidney International, 2000, 57, 2268-2274. | 5.2 | 20 |
| 108 | Circadian Rhythm in Kidney Tissue Oxygenation in the Rat. Frontiers in Physiology, 2017, 8, 205. | 2.8 | 20 |

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|---|---|---|---|
| 109 | Prenatal Amino Acid Supplementation to Improve Fetal Growth: A Systematic Review and Meta-Analysis. Nutrients, 2020, 12, 2535. | 4.1 | 20 |
| 110 | Blood Pressure in Mutant Rats Lacking the 5-Hydroxytryptamine Transporter. Hypertension, 2006, 48, e115-6; author reply e117. | 2.7 | 19 |
| 111 | Limited synergy of obesity and hypertension, prevalent risk factors in onset and progression of heart failure with preserved ejection fraction. Journal of Cellular and Molecular Medicine, 2019, 23, 6666-6678. | 3.6 | 19 |
| 112 | Matrix Metalloproteinases and Tissue Inhibitors of Metalloproteinases in Extracellular Matrix Remodeling during Left Ventricular Diastolic Dysfunction and Heart Failure with Preserved Ejection Fraction: A Systematic Review and Meta-Analysis. International Journal of Molecular Sciences, 2020, 21, 6742. | 4.1 | 19 |
| 113 | Ovariectomy decreases plasma triglyceride levels in analbuminaemic rats by lowering hepatic triglyceride secretion. Atherosclerosis, 1995, 117, 51-59. | 0.8 | 18 |
| 114 | Elevated Urinary Connective Tissue Growth Factor in Diabetic Nephropathy Is Caused by Local Production and Tubular Dysfunction. Journal of Diabetes Research, 2015, 2015, 1-11. | 2.3 | 18 |
| 115 | Cardiac Hepcidin Expression Associates with Injury Independent of Iron. American Journal of Nephrology, 2016, 44, 368-378. | 3.1 | 18 |
| 116 | 5/6th Nephrectomy in Combination with High Salt Diet and Nitric Oxide Synthase Inhibition to Induce Chronic Kidney Disease in the Lewis Rat. Journal of Visualized Experiments, 2013, , e50398. | 0.3 | 17 |
| 117 | The incretin pathway as a therapeutic target in diabetic kidney disease: a clinical focus on GLP-1 receptor agonists. Therapeutic Advances in Endocrinology and Metabolism, 2019, 10, 204201881986539. | 3.2 | 17 |
| 118 | Prenatal Sildenafil Therapy Improves Cardiovascular Function in Fetal Growth Restricted Offspring of Dahl Salt-Sensitive Rats. Hypertension, 2019, 73, 1120-1127. | 2.7 | 17 |
| 119 | Effects of dapagliflozin and gliclazide on the cardiorenal axis in people with type 2 diabetes. Journal of Hypertension, 2020, 38, 1811-1819. | 0.5 | 17 |
| 120 | Perinatal Inhibition of NF-KappaB Has Long-Term Antihypertensive and Renoprotective Effects in Fawn-Hooded Hypertensive Rats. American Journal of Hypertension, 2016, 29, 123-131. | 2.0 | 16 |
| 121 | Direct Recording of Cardiac and Renal Sympathetic Nerve Activity Shows Differential Control in Renovascular Hypertension. Hypertension, 2018, 71, 1108-1116. | 2.7 | 16 |
| 122 | Non-iron mediated alteration in hepatic transferrin gene expression in the nephrotic rat. Kidney International, 1995, 47, 1068-1077. | 5.2 | 15 |
| 123 | Proteinuria, lipoproteins and renal apolipoprotein deposits in uninephrectomized female analbuminemic rats. Kidney International, 1995, 47, 442-453. | 5.2 | 15 |
| 124 | Hypoxanthine plus xanthine oxidase causes profound natriuresis without affecting renal blood flow autoregulation. Kidney International, 2003, 64, 226-231. | 5.2 | 15 |
| 125 | Elevated renal tissue oxygenation in premature fetal growth restricted neonates: An observational study. PLoS ONE, 2018, 13, e0204268. | 2.5 | 15 |
| 126 | Epoetin Beta and Câ€Terminal Fibroblast Growth Factor 23 in Patients With Chronic Heart Failure and Chronic Kidney Disease. Journal of the American Heart Association, 2019, 8, e011130. | 3.7 | 15 |

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|---|---|---|---|
| 127 | Sodium Thiosulfate in the Pregnant Dahl Salt-Sensitive Rat, a Model of Preeclampsia. Biomolecules, 2020, 10, 302. | 4.0 | 15 |
| 128 | Erythropoietin treatment in patients with combined heart and renal failure: objectives and design of the EPOCARES study. Journal of Nephrology, 2010, 23, 363-8. | 2.0 | 15 |
| 129 | Plasma triglyceride levels are higher in nephrotic than in analbuminemic rats despite a similar increase in hepatic triglyceride secretion. Kidney International, 1995, 47, 566-572. | 5.2 | 14 |
| 130 | Consequences of perinatal treatment with l-arginine and antioxidants for the renal transcriptome in spontaneously hypertensive rats. Pflugers Archiv European Journal of Physiology, 2009, 458, 513-524. | 2.8 | 14 |
| 131 | Renal denervation in chronic kidney disease. Nature Reviews Nephrology, 2012, 8, 439-440. | 9.6 | 14 |
| 132 | Age-dependent shifts in renal response to injury relate to altered BMP6/CTGF expression and signaling. American Journal of Physiology - Renal Physiology, 2016, 311, F926-F934. | 2.7 | 14 |
| 133 | Insulin Sensitivity and Renal Hemodynamic Function in Metformin-Treated Adults With Type 2 Diabetes and Preserved Renal Function. Diabetes Care, 2020, 43, 228-234. | 8.6 | 14 |
| 134 | Predisposition of spontaneously hypertensive rats to develop renal injury during nitric oxide synthase inhibition. European Journal of Pharmacology, 2001, 411, 175-180. | 3.5 | 13 |
| 135 | Low albumin levels increase endothelial NO production and decrease vascular NO sensitivity. Nephrology Dialysis Transplantation, 2006, 21, 3443-3449. | 0.7 | 13 |
| 136 | A regenerable potassium and phosphate sorbent system to enhance dialysis efficacy and device portability: an in vitro study. Nephrology Dialysis Transplantation, 2013, 28, 2364-2371. | 0.7 | 13 |
| 137 | Albumin is an interface between blood plasma and cell membrane, and not just a sponge. CKJ: Clinical Kidney Journal, 2022, 15, 624-634. | 2.9 | 13 |
| 138 | Hypoalbuminaemia enhances the renal vasoconstrictor effect of lysophosphatidylcholine. Nephrology Dialysis Transplantation, 2003, 18, 1485-1492. | 0.7 | 12 |
| 139 | Perinatal Exogenous Nitric Oxide in Fawn-Hooded Hypertensive Rats Reduces Renal Ribosomal Biogenesis in Early Life. Frontiers in Genetics, 2011, 2, 52. | 2.3 | 12 |
| 140 | Crossing Borders: Linking Environmental and Genetic Developmental Factors. Microcirculation, 2011, 18, 298-303. | 1.8 | 12 |
| 141 | The nephron number countsâ€"from womb to tomb. Nephrology Dialysis Transplantation, 2013, 28, 1325-1328. | 0.7 | 12 |
| 142 | Removal of urea by electro-oxidation in a miniature dialysis device: a study in awake goats. American Journal of Physiology - Renal Physiology, 2018, 315, F1385-F1397. | 2.7 | 12 |
| 143 | Cardiac Protection by Oral Sodium Thiosulfate in a Rat Model of L-NNA-Induced Heart Disease. Frontiers in Pharmacology, 2021, 12, 650968. | 3.5 | 12 |
| 144 | Taurine. Hypertension, 2009, 53, 909-911. | 2.7 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Nitric Oxide Synthase Inhibition Induces Renal Medullary Hypoxia in Conscious Rats. Journal of the American Heart Association, 2018, 7, e009501. | 3.7 | 11 |
| 146 | Subcutaneous administration of HMG-CoA reductase inhibitors in hyperlipidaemic and normal rats. Laboratory Animals, 1992, 26, 269-280. | 1.0 | 10 |
| 147 | Excessive Cholesterolemic Response in Analbuminemic Rats Fed a Cholesterol-Rich Diet Containing Casein. Journal of Nutrition, 1992, 122, 520-527. | 2.9 | 10 |
| 148 | Technology Insight: innovative options for end-stage renal diseaseâ€"from kidney refurbishment to artificial kidney. Nature Clinical Practice Nephrology, 2007, 3, 564-572. | 2.0 | 10 |
| 149 | Arrhythmogenic Remodeling in Murine Models of Deoxycorticosterone Acetate-Salt-Induced and 5/6-Subtotal Nephrectomy-Salt-Induced Cardiorenal Disease. CardioRenal Medicine, 2015, 5, 208-218. | 1.9 | 10 |
| 150 | Targeting multiple pathways reduces renal and cardiac fibrosis in rats with subtotal nephrectomy followed by coronary ligation. Acta Physiologica, 2017, 220, 382-393. | 3.8 | 10 |
| 151 | Effects of DPP-4 Inhibitor Linagliptin Versus Sulfonylurea Glimepiride as Add-on to Metformin on Renal Physiology in Overweight Patients With Type 2 Diabetes (RENALIS): A Randomized, Double-Blind Trial. Diabetes Care, 2020, 43, 2889-2893. | 8.6 | 10 |
| 152 | Conflicting Effects of Fetal Growth Restriction on Blood Pressure Between Human and Rat Offspring. Hypertension, 2020, 75, 806-818. | 2.7 | 10 |
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