

Sheldon Chen

List of Publications by Citations

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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.

62

papers

9,702

citations

34

h-index

65

g-index

65

ext. papers

10,387

ext. citations

5.4

avg, IF

5.9

L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 62 | Leptin and renal disease. <i>American Journal of Kidney Diseases</i> , 2002 , 39, 1-11 | 7.4 | 4275 |
| 61 | Long-term prevention of renal insufficiency, excess matrix gene expression, and glomerular mesangial matrix expansion by treatment with monoclonal antitransforming growth factor-beta antibody in db/db diabetic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 8015-20 | 11.5 | 781 |
| 60 | From the periphery of the glomerular capillary wall toward the center of disease: podocyte injury comes of age in diabetic nephropathy. <i>Diabetes</i> , 2005 , 54, 1626-34 | 0.9 | 468 |
| 59 | A glimpse of various pathogenetic mechanisms of diabetic nephropathy. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2011 , 6, 395-423 | 34 | 445 |
| 58 | Diabetic nephropathy: mechanisms of renal disease progression. <i>Experimental Biology and Medicine</i> , 2008 , 233, 4-11 | 3.7 | 438 |
| 57 | ACE and ACE2 activity in diabetic mice. <i>Diabetes</i> , 2006 , 55, 2132-9 | 0.9 | 240 |
| 56 | Diabetic nephropathy and transforming growth factor-beta: transforming our view of glomerulosclerosis and fibrosis build-up. <i>Seminars in Nephrology</i> , 2003 , 23, 532-43 | 4.8 | 210 |
| 55 | Hydrogen peroxide increases extracellular matrix mRNA through TGF-beta in human mesangial cells. <i>Kidney International</i> , 2001 , 59, 87-95 | 9.9 | 172 |
| 54 | Increased glomerular and tubular expression of transforming growth factor-beta1, its type II receptor, and activation of the Smad signaling pathway in the db/db mouse. <i>American Journal of Pathology</i> , 2001 , 158, 1653-63 | 5.8 | 171 |
| 53 | Blockade of vascular endothelial growth factor signaling ameliorates diabetic albuminuria in mice. <i>Journal of the American Society of Nephrology: JASN</i> , 2006 , 17, 3093-104 | 12.7 | 163 |
| 52 | Effects of high glucose and TGF-beta1 on the expression of collagen IV and vascular endothelial growth factor in mouse podocytes. <i>Kidney International</i> , 2002 , 62, 901-13 | 9.9 | 152 |
| 51 | Smad pathway is activated in the diabetic mouse kidney and Smad3 mediates TGF-beta-induced fibronectin in mesangial cells. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 296, 1356-65 ³⁻⁴ | | 147 |
| 50 | Nephrotoxicity of immune checkpoint inhibitors beyond tubulointerstitial nephritis: single-center experience 2019 , 7, 2 | | 135 |
| 49 | Retooling the creatinine clearance equation to estimate kinetic GFR when the plasma creatinine is changing acutely. <i>Journal of the American Society of Nephrology: JASN</i> , 2013 , 24, 877-88 | 12.7 | 123 |
| 48 | Reversibility of established diabetic glomerulopathy by anti-TGF-beta antibodies in db/db mice. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 300, 16-22 | 3.4 | 109 |
| 47 | Leptin stimulates type I collagen production in db/db mesangial cells: glucose uptake and TGF-beta type II receptor expression. <i>Kidney International</i> , 2001 , 59, 1315-23 | 9.9 | 104 |
| 46 | Interference with TGF-beta signaling by Smad3-knockout in mice limits diabetic glomerulosclerosis without affecting albuminuria. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 293, F1657-65 | 4.3 | 102 |

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|----|--|------|-----|
| 45 | The urine/plasma electrolyte ratio: a predictive guide to water restriction. <i>American Journal of the Medical Sciences</i> , 2000 , 319, 240-4 | 2.2 | 102 |
| 44 | Extracellular signal-regulated kinase mediates stimulation of TGF-beta1 and matrix by high glucose in mesangial cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2000 , 11, 2222-2230 | 12.7 | 100 |
| 43 | The monocyte chemoattractant protein-1/CCR2 loop, inducible by TGF-beta, increases podocyte motility and albumin permeability. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 297, F85-94 | 4.3 | 97 |
| 42 | Glycated albumin increases oxidative stress, activates NF-kappa B and extracellular signal-regulated kinase (ERK), and stimulates ERK-dependent transforming growth factor-beta 1 production in macrophage RAW cells. <i>Translational Research</i> , 2003 , 141, 242-9 | | 97 |
| 41 | Podocyte-derived vascular endothelial growth factor mediates the stimulation of alpha3(IV) collagen production by transforming growth factor-beta1 in mouse podocytes. <i>Diabetes</i> , 2004 , 53, 2939-49 | 9.9 | 90 |
| 40 | Angiotensin II stimulates alpha3(IV) collagen production in mouse podocytes via TGF-beta and VEGF signalling: implications for diabetic glomerulopathy. <i>Nephrology Dialysis Transplantation</i> , 2005 , 20, 1320-8 | 4.3 | 85 |
| 39 | Abnormalities in signaling pathways in diabetic nephropathy. <i>Expert Review of Endocrinology and Metabolism</i> , 2010 , 5, 51-64 | 4.1 | 77 |
| 38 | The key role of the transforming growth factor-beta system in the pathogenesis of diabetic nephropathy. <i>Renal Failure</i> , 2001 , 23, 471-81 | 2.9 | 77 |
| 37 | Blockade of CCL2/CCR2 signalling ameliorates diabetic nephropathy in db/db mice. <i>Nephrology Dialysis Transplantation</i> , 2013 , 28, 1700-10 | 4.3 | 75 |
| 36 | Glycated albumin stimulates TGF-beta 1 production and protein kinase C activity in glomerular endothelial cells. <i>Kidney International</i> , 2001 , 59, 673-81 | 9.9 | 74 |
| 35 | Amadori-modified glycated serum proteins and accelerated atherosclerosis in diabetes: pathogenic and therapeutic implications. <i>Translational Research</i> , 2006 , 147, 211-9 | | 60 |
| 34 | Amadori-glycated albumin in diabetic nephropathy: pathophysiologic connections. <i>Kidney International</i> , 2000 , 77, S40-4 | 9.9 | 57 |
| 33 | The Urine/Plasma Electrolyte Ratio: A Predictive Guide to Water Restriction. <i>American Journal of the Medical Sciences</i> , 2000 , 319, 240-244 | 2.2 | 55 |
| 32 | Retinoids as a potential treatment for experimental puromycin-induced nephrosis. <i>British Journal of Pharmacology</i> , 2003 , 139, 823-31 | 8.6 | 49 |
| 31 | Renal Lipotoxicity-Associated Inflammation and Insulin Resistance Affects Actin Cytoskeleton Organization in Podocytes. <i>PLoS ONE</i> , 2015 , 10, e0142291 | 3.7 | 48 |
| 30 | Evidence linking glycated albumin to altered glomerular nephrin and VEGF expression, proteinuria, and diabetic nephropathy. <i>Kidney International</i> , 2005 , 68, 1554-61 | 9.9 | 48 |
| 29 | Vascular endothelial growth factor and diabetic nephropathy. <i>Current Diabetes Reports</i> , 2008 , 8, 470-6 | 5.6 | 42 |
| 28 | HMG-CoA reductase inhibitor simvastatin mitigates VEGF-induced "inside-out" signaling to extracellular matrix by preventing RhoA activation. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 291, F995-1004 | 4.3 | 29 |

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| 27 | Cultured tubule cells from TGF-beta1 null mice exhibit impaired hypertrophy and fibronectin expression in high glucose. <i>Kidney International</i> , 2004 , 65, 1191-204 | 9.9 | 28 |
| 26 | Effects of Tumor Necrosis Factor- α on Podocyte Expression of Monocyte Chemoattractant Protein-1 and in Diabetic Nephropathy. <i>Nephron Extra</i> , 2015 , 5, 1-18 | | 27 |
| 25 | Evaluation and management of hyponatremia: an emerging role for vasopressin receptor antagonists. <i>Nature Clinical Practice Nephrology</i> , 2007 , 3, 82-95 | | 26 |
| 24 | Inhibiting albumin glycation attenuates dysregulation of VEGFR-1 and collagen IV subchain production and the development of renal insufficiency. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 292, F789-95 | 4.3 | 22 |
| 23 | Inhibiting albumin glycation in vivo ameliorates glomerular overexpression of TGF-beta1. <i>Kidney International</i> , 2002 , 61, 2025-32 | 9.9 | 21 |
| 22 | Visualizing the mouse podocyte with multiphoton microscopy. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 427, 525-30 | 3.4 | 14 |
| 21 | Kinetic Glomerular Filtration Rate in Routine Clinical Practice-Applications and Possibilities. <i>Advances in Chronic Kidney Disease</i> , 2018 , 25, 105-114 | 4.7 | 13 |
| 20 | The renin-angiotensin system in diabetic nephropathy. <i>Contributions To Nephrology</i> , 2001 , 135, 212-21 | 1.6 | 8 |
| 19 | Kinetic glomerular filtration rate equation can accommodate a changing body volume: Derivation and usage of the formula. <i>Mathematical Biosciences</i> , 2018 , 306, 97-106 | 3.9 | 8 |
| 18 | Kinetic Sodium Equation with Built-In Rate of Correction: Aid to Prescribing Therapy for Hyponatremia or Hypernatremia. <i>Journal of Onco-Nephrology</i> , 2017 , 1, 204-212 | 0.2 | 7 |
| 17 | The value of kinetic glomerular filtration rate estimation on medication dosing in acute kidney injury. <i>PLoS ONE</i> , 2019 , 14, e0225601 | 3.7 | 6 |
| 16 | Pathophysiology of Diabetic Nephropathy 2020 , 279-296 | | 4 |
| 15 | Response to Kinetic sodium equation <i>Journal of Onco-Nephrology</i> , 2018 , 2, 33-34 | 0.2 | 3 |
| 14 | Estimating Creatinine Clearance in the Nonsteady State: The Determination and Role of the True Average Creatinine Concentration. <i>Kidney Medicine</i> , 2019 , 1, 207-216 | 2.8 | 3 |
| 13 | Pathophysiology and Pathogenesis of Diabetic Nephropathy 2013 , 2605-2632 | | 3 |
| 12 | Hyponatremia in cancer patients: Strategy for safe correction in the hospital. <i>Journal of Onco-Nephrology</i> , 2019 , 3, 144-150 | 0.2 | 2 |
| 11 | Involvement of the transforming growth factor- β system in the pathogenesis of diabetic nephropathy. <i>Clinical and Experimental Nephrology</i> , 2002 , 6, 125-9 | 2.5 | 2 |
| 10 | Transforming Growth Factor- β and other Cytokines in Experimental and Human Nephropathy 2000 , 313-338 | | 2 |

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| 9 | Pathophysiology of Diabetic Nephropathy 2015 , 151-162 | | 1 |
| 8 | Physiologic Principles in the Clinical Evaluation of Electrolyte, Water, and AcidBase Disorders 2013 , 2477-2511 | | 1 |
| 7 | Transforming Growth Factor- β Signal Transduction in the Pathogenesis of Diabetic Nephropathy 2006 , 201-221 | | 1 |
| 6 | Improving on the AdrogueMadias Formula.. <i>Kidney360</i> , 2021 , 2, 365-370 | 1.8 | 1 |
| 5 | In creatinine kinetics, the glomerular filtration rate always moves the serum creatinine in the opposite direction. <i>Physiological Reports</i> , 2021 , 9, e14957 | 2.6 | 1 |
| 4 | Evolution of the kidneycancer connection. <i>Journal of Onco-Nephrology</i> , 2019 , 3, 88-91 | 0.2 | |
| 3 | Perspectives From an Onconephrology Interest Group: Conference Report. <i>Canadian Journal of Kidney Health and Disease</i> , 2020 , 7, 2054358120962589 | 2.3 | |
| 2 | [Creatinine] can change in an unexpected direction due to the volume change rate that interacts with kinetic GFR: Potentially positive paradox.. <i>Physiological Reports</i> , 2022 , 10, e15172 | 2.6 | |
| 1 | Acute kidney injury incidence, pathogenesis, and outcomes 2020 , 269-274.e3 | | |