

# Sheldon Chen

## List of Publications by Year in Descending Order

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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	[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> , <b>2022</b> , 10, e15172	2.6	
61	Improving on the Adrogu�Madias Formula.. <i>Kidney360</i> , <b>2021</b> , 2, 365-370	1.8	1
60	In creatinine kinetics, the glomerular filtration rate always moves the serum creatinine in the opposite direction. <i>Physiological Reports</i> , <b>2021</b> , 9, e14957	2.6	1
59	Perspectives From an Onconephrology Interest Group: Conference Report. <i>Canadian Journal of Kidney Health and Disease</i> , <b>2020</b> , 7, 2054358120962589	2.3	
58	Pathophysiology of Diabetic Nephropathy <b>2020</b> , 279-296		4
57	Acute kidney injury incidence, pathogenesis, and outcomes <b>2020</b> , 269-274.e3		
56	Evolution of the kidney�ancer connection. <i>Journal of Onco-Nephrology</i> , <b>2019</b> , 3, 88-91	0.2	
55	Estimating Creatinine Clearance in the Nonsteady State: The Determination and Role of the True Average Creatinine Concentration. <i>Kidney Medicine</i> , <b>2019</b> , 1, 207-216	2.8	3
54	Hyponatremia in cancer patients: Strategy for safe correction in the hospital. <i>Journal of Onco-Nephrology</i> , <b>2019</b> , 3, 144-150	0.2	2
53	The value of kinetic glomerular filtration rate estimation on medication dosing in acute kidney injury. <i>PLoS ONE</i> , <b>2019</b> , 14, e0225601	3.7	6
52	Nephrotoxicity of immune checkpoint inhibitors beyond tubulointerstitial nephritis: single-center experience <b>2019</b> , 7, 2		135
51	Kinetic Glomerular Filtration Rate in Routine Clinical Practice-Applications and Possibilities. <i>Advances in Chronic Kidney Disease</i> , <b>2018</b> , 25, 105-114	4.7	13
50	Response to Kinetic sodium equation�Journal of Onco-Nephrology, <b>2018</b> , 2, 33-34	0.2	3
49	Kinetic glomerular filtration rate equation can accommodate a changing body volume: Derivation and usage of the formula. <i>Mathematical Biosciences</i> , <b>2018</b> , 306, 97-106	3.9	8
48	Kinetic Sodium Equation with Built-In Rate of Correction: Aid to Prescribing Therapy for Hyponatremia or Hypernatremia. <i>Journal of Onco-Nephrology</i> , <b>2017</b> , 1, 204-212	0.2	7
47	Effects of Tumor Necrosis Factor-�n Podocyte Expression of Monocyte Chemoattractant Protein-1 and in Diabetic Nephropathy. <i>Nephron Extra</i> , <b>2015</b> , 5, 1-18		27
46	Pathophysiology of Diabetic Nephropathy <b>2015</b> , 151-162		1

45	Renal Lipotoxicity-Associated Inflammation and Insulin Resistance Affects Actin Cytoskeleton Organization in Podocytes. <i>PLoS ONE</i> , <b>2015</b> , 10, e0142291	3.7	48
44	Physiologic Principles in the Clinical Evaluation of Electrolyte, Water, and AcidBase Disorders <b>2013</b> , 2477-2511		1
43	Pathophysiology and Pathogenesis of Diabetic Nephropathy <b>2013</b> , 2605-2632		3
42	Blockade of CCL2/CCR2 signalling ameliorates diabetic nephropathy in db/db mice. <i>Nephrology Dialysis Transplantation</i> , <b>2013</b> , 28, 1700-10	4.3	75
41	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> , <b>2013</b> , 24, 877-88	12.7	123
40	Visualizing the mouse podocyte with multiphoton microscopy. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 427, 525-30	3.4	14
39	A glimpse of various pathogenetic mechanisms of diabetic nephropathy. <i>Annual Review of Pathology: Mechanisms of Disease</i> , <b>2011</b> , 6, 395-423	34	445
38	Abnormalities in signaling pathways in diabetic nephropathy. <i>Expert Review of Endocrinology and Metabolism</i> , <b>2010</b> , 5, 51-64	4.1	77
37	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> , <b>2009</b> , 297, F85-94	4.3	97
36	Diabetic nephropathy: mechanisms of renal disease progression. <i>Experimental Biology and Medicine</i> , <b>2008</b> , 233, 4-11	3.7	438
35	Vascular endothelial growth factor and diabetic nephropathy. <i>Current Diabetes Reports</i> , <b>2008</b> , 8, 470-6	5.6	42
34	Interference with TGF-beta signaling by Smad3-knockout in mice limits diabetic glomerulosclerosis without affecting albuminuria. <i>American Journal of Physiology - Renal Physiology</i> , <b>2007</b> , 293, F1657-65	4.3	102
33	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> , <b>2007</b> , 292, F789-95	4.3	22
32	Evaluation and management of hyponatremia: an emerging role for vasopressin receptor antagonists. <i>Nature Clinical Practice Nephrology</i> , <b>2007</b> , 3, 82-95		26
31	Amadori-modified glycated serum proteins and accelerated atherosclerosis in diabetes: pathogenic and therapeutic implications. <i>Translational Research</i> , <b>2006</b> , 147, 211-9		60
30	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> , <b>2006</b> , 291, F995-1004	4.3	29
29	Blockade of vascular endothelial growth factor signaling ameliorates diabetic albuminuria in mice. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2006</b> , 17, 3093-104	12.7	163
28	ACE and ACE2 activity in diabetic mice. <i>Diabetes</i> , <b>2006</b> , 55, 2132-9	0.9	240

27	Transforming Growth Factor- $\beta$ Signal Transduction in the Pathogenesis of Diabetic Nephropathy <b>2006</b> , 201-221		1
26	From the periphery of the glomerular capillary wall toward the center of disease: podocyte injury comes of age in diabetic nephropathy. <i>Diabetes</i> , <b>2005</b> , 54, 1626-34	0.9	468
25	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> , <b>2005</b> , 20, 1320-8	4.3	85
24	Evidence linking glycated albumin to altered glomerular nephrin and VEGF expression, proteinuria, and diabetic nephropathy. <i>Kidney International</i> , <b>2005</b> , 68, 1554-61	9.9	48
23	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> , <b>2004</b> , 53, 2939-49	9.9	90
22	Cultured tubule cells from TGF-beta1 null mice exhibit impaired hypertrophy and fibronectin expression in high glucose. <i>Kidney International</i> , <b>2004</b> , 65, 1191-204	9.9	28
21	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> , <b>2003</b> , 141, 242-9		97
20	Retinoids as a potential treatment for experimental puromycin-induced nephrosis. <i>British Journal of Pharmacology</i> , <b>2003</b> , 139, 823-31	8.6	49
19	Diabetic nephropathy and transforming growth factor-beta: transforming our view of glomerulosclerosis and fibrosis build-up. <i>Seminars in Nephrology</i> , <b>2003</b> , 23, 532-43	4.8	210
18	Reversibility of established diabetic glomerulopathy by anti-TGF-beta antibodies in db/db mice. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 300, 16-22	3.4	109
17	Leptin and renal disease. <i>American Journal of Kidney Diseases</i> , <b>2002</b> , 39, 1-11	7.4	4275
16	Involvement of the transforming growth factor- $\beta$ system in the pathogenesis of diabetic nephropathy. <i>Clinical and Experimental Nephrology</i> , <b>2002</b> , 6, 125-9	2.5	2
15	Inhibiting albumin glycation in vivo ameliorates glomerular overexpression of TGF-beta1. <i>Kidney International</i> , <b>2002</b> , 61, 2025-32	9.9	21
14	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> , <b>2002</b> , 62, 901-13	9.9	152
13	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> , <b>2002</b> , 296, 1356-65	3.4	147
12	Hydrogen peroxide increases extracellular matrix mRNA through TGF-beta in human mesangial cells. <i>Kidney International</i> , <b>2001</b> , 59, 87-95	9.9	172
11	Glycated albumin stimulates TGF-beta 1 production and protein kinase C activity in glomerular endothelial cells. <i>Kidney International</i> , <b>2001</b> , 59, 673-81	9.9	74
10	Leptin stimulates type I collagen production in db/db mesangial cells: glucose uptake and TGF-beta type II receptor expression. <i>Kidney International</i> , <b>2001</b> , 59, 1315-23	9.9	104

9	The key role of the transforming growth factor-beta system in the pathogenesis of diabetic nephropathy. <i>Renal Failure</i> , <b>2001</b> , 23, 471-81	2.9	77
8	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> , <b>2001</b> , 158, 1653-63	5.8	171
7	The renin-angiotensin system in diabetic nephropathy. <i>Contributions To Nephrology</i> , <b>2001</b> , 135, 212-21	1.6	8
6	Amadori-glycated albumin in diabetic nephropathy: pathophysiologic connections. <i>Kidney International</i> , <b>2000</b> , 77, S40-4	9.9	57
5	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> , <b>2000</b> , 97, 8015-20	11.5	781
4	The Urine/Plasma Electrolyte Ratio: A Predictive Guide to Water Restriction. <i>American Journal of the Medical Sciences</i> , <b>2000</b> , 319, 240-244	2.2	55
3	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> , <b>2000</b> , 11, 2222-2230	12.7	100
2	The urine/plasma electrolyte ratio: a predictive guide to water restriction. <i>American Journal of the Medical Sciences</i> , <b>2000</b> , 319, 240-4	2.2	102
1	Transforming Growth Factor- $\beta$ and other Cytokines in Experimental and Human Nephropathy <b>2000</b> , 313-338		2