

Paul W Sanders

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133
papers

4,857
citations

43
h-index

64
g-index

165
ext. papers

5,531
ext. citations

5.9
avg, IF

5.65
L-index

#	Paper	IF	Citations
133	Role of dietary salt and potassium intake in cardiovascular health and disease: a review of the evidence. <i>Mayo Clinic Proceedings</i> , 2013 , 88, 987-95	6.4	208
132	The evaluation of monoclonal gammopathy of renal significance: a consensus report of the International Kidney and Monoclonal Gammopathy Research Group. <i>Nature Reviews Nephrology</i> , 2019 , 15, 45-59	14.9	189
131	Chronic kidney disease associated mortality in diastolic versus systolic heart failure: a propensity matched study. <i>American Journal of Cardiology</i> , 2007 , 99, 393-8	3	185
130	The pathogenesis and diagnosis of acute kidney injury in multiple myeloma. <i>Nature Reviews Nephrology</i> , 2011 , 8, 43-51	14.9	178
129	Crystal structure of the TSH receptor in complex with a thyroid-stimulating autoantibody. <i>Thyroid</i> , 2007 , 17, 395-410	6.2	171
128	KDOQI US commentary on the 2012 KDIGO clinical practice guideline for management of blood pressure in CKD. <i>American Journal of Kidney Diseases</i> , 2013 , 62, 201-13	7.4	133
127	Hypokalemia and outcomes in patients with chronic heart failure and chronic kidney disease: findings from propensity-matched studies. <i>Circulation: Heart Failure</i> , 2010 , 3, 253-60	7.6	106
126	Hyperuricaemia, chronic kidney disease, and outcomes in heart failure: potential mechanistic insights from epidemiological data. <i>European Heart Journal</i> , 2011 , 32, 712-20	9.5	100
125	Mitochondrial targets of oxidative stress during renal ischemia/reperfusion. <i>Archives of Biochemistry and Biophysics</i> , 2003 , 412, 27-33	4.1	100
124	Paracrine effects of mesenchymal stem cells in cisplatin-induced renal injury require heme oxygenase-1. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, F254-62	4.3	96
123	Vascular consequences of dietary salt intake. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 297, F237-43	4.3	93
122	Mapping the binding domain of immunoglobulin light chains for Tamm-Horsfall protein. <i>American Journal of Pathology</i> , 2001 , 158, 1859-66	5.8	92
121	High dietary sodium intake impairs endothelium-dependent dilation in healthy salt-resistant humans. <i>Journal of Hypertension</i> , 2013 , 31, 530-6	1.9	91
120	Mitochondrial tyrosine nitration precedes chronic allograft nephropathy. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 1603-8	7.8	86
119	Association between hyperuricemia and incident heart failure among older adults: a propensity-matched study. <i>International Journal of Cardiology</i> , 2010 , 142, 279-87	3.2	79
118	Human Bence Jones protein toxicity in rat proximal tubule epithelium in vivo. <i>Kidney International</i> , 1987 , 32, 851-61	9.9	79
117	Crystal structure of the TSH receptor (TSHR) bound to a blocking-type TSHR autoantibody. <i>Journal of Molecular Endocrinology</i> , 2011 , 46, 81-99	4.5	78

116	Dietary sodium loading impairs microvascular function independent of blood pressure in humans: role of oxidative stress. <i>Journal of Physiology</i> , 2012 , 590, 5519-28	3.9	73
115	Salt intake, endothelial cell signaling, and progression of kidney disease. <i>Hypertension</i> , 2004 , 43, 142-6	8.5	73
114	AL-amyloidosis is underdiagnosed in renal biopsies. <i>Nephrology Dialysis Transplantation</i> , 2004 , 19, 3050-3	4.3	67
113	Mechanisms of light chain injury along the tubular nephron. <i>Journal of the American Society of Nephrology: JASN</i> , 2012 , 23, 1777-81	12.7	66
112	Dietary salt modulates renal production of transforming growth factor-beta in rats. <i>American Journal of Physiology - Renal Physiology</i> , 1998 , 274, F635-41	4.3	65
111	Monoclonal autoantibodies to the TSH receptor, one with stimulating activity and one with blocking activity, obtained from the same blood sample. <i>Clinical Endocrinology</i> , 2010 , 73, 404-12	3.4	63
110	Mechanisms and consequences of salt sensitivity and dietary salt intake. <i>Current Opinion in Nephrology and Hypertension</i> , 2011 , 20, 37-43	3.5	60
109	Immunoglobulin light chains activate nuclear factor-B in renal epithelial cells through a Src-dependent mechanism. <i>Blood</i> , 2011 , 117, 1301-7	2.2	56
108	Immunoglobulin light chains generate hydrogen peroxide. <i>Journal of the American Society of Nephrology: JASN</i> , 2007 , 18, 1239-45	12.7	56
107	Renin-angiotensin inhibition in systolic heart failure and chronic kidney disease. <i>American Journal of Medicine</i> , 2012 , 125, 399-410	2.4	55
106	Mechanism and prevention of acute kidney injury from cast nephropathy in a rodent model. <i>Journal of Clinical Investigation</i> , 2012 , 122, 1777-85	15.9	55
105	The interrelationship between TGF-beta1 and nitric oxide is altered in salt-sensitive hypertension. <i>American Journal of Physiology - Renal Physiology</i> , 2003 , 285, F902-8	4.3	54
104	Isolated systolic hypertension and incident heart failure in older adults: a propensity-matched study. <i>Hypertension</i> , 2009 , 53, 458-65	8.5	52
103	Activation of corticotropin-releasing factor receptor 2 mediates the colonic motor coping response to acute stress in rodents. <i>Gastroenterology</i> , 2011 , 140, 1586-96.e6	13.3	51
102	Dietary salt intake, salt sensitivity, and cardiovascular health. <i>Hypertension</i> , 2009 , 53, 442-5	8.5	51
101	A human monoclonal autoantibody to the thyrotropin receptor with thyroid-stimulating blocking activity. <i>Thyroid</i> , 2008 , 18, 735-46	6.2	51
100	Novel Paradigms of Salt and Hypertension. <i>Journal of the American Society of Nephrology: JASN</i> , 2017 , 28, 1362-1369	12.7	50
99	Paraprotein-Related Kidney Disease: Kidney Injury from Paraproteins-What Determines the Site of Injury?. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016 , 11, 2288-2294	6.9	49

98	Vascular smooth muscle nitric oxide synthase anomalies in Dahl/Rapp salt-sensitive rats. <i>Hypertension</i> , 1998 , 31, 918-24	8.5	47
97	Effect of urinary pH and diatrizoate on Bence Jones protein nephrotoxicity in the rat. <i>Kidney International</i> , 1985 , 27, 46-50	9.9	47
96	Dietary salt regulates expression of Tamm-Horsfall glycoprotein in rats. <i>Kidney International</i> , 1998 , 54, 1150-6	9.9	45
95	Mechanism of dietary salt-mediated increase in intravascular production of TGF-beta1. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, F406-14	4.3	44
94	Effects of TSH receptor mutations on binding and biological activity of monoclonal antibodies and TSH. <i>Thyroid</i> , 2006 , 16, 1195-206	6.2	44
93	Dietary salt enhances glomerular endothelial nitric oxide synthase through TGF-beta1. <i>American Journal of Physiology - Renal Physiology</i> , 1998 , 275, F18-24	4.3	43
92	Dietary salt increases endothelial nitric oxide synthase and TGF-beta1 in rat aortic endothelium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 277, H1293-8	5.2	43
91	Ultrastructural immunolabeling: a unique diagnostic tool in monoclonal light chain-related renal diseases. <i>Ultrastructural Pathology</i> , 1994 , 18, 401-16	1.3	43
90	Effects of enalapril in systolic heart failure patients with and without chronic kidney disease: insights from the SOLVD Treatment trial. <i>International Journal of Cardiology</i> , 2013 , 167, 151-6	3.2	42
89	Immunoglobulin light chains activate tubular epithelial cells through redox signaling. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 1165-73	12.7	42
88	Mild hyperkalemia and outcomes in chronic heart failure: a propensity matched study. <i>International Journal of Cardiology</i> , 2010 , 144, 383-8	3.2	41
87	Association of chronic kidney disease with outcomes in chronic heart failure: a propensity-matched study. <i>Nephrology Dialysis Transplantation</i> , 2009 , 24, 186-93	4.3	39
86	Growth factors in monoclonal light-chain--related renal diseases. <i>Human Pathology</i> , 1994 , 25, 883-92	3.7	39
85	Dietary potassium regulates vascular calcification and arterial stiffness. <i>JCI Insight</i> , 2017 , 2,	9.9	38
84	Morphologic alterations of the proximal tubules in light chain-related renal disease. <i>Kidney International</i> , 1988 , 33, 881-9	9.9	38
83	Community mobility among older adults with reduced kidney function: a study of life-space. <i>American Journal of Kidney Diseases</i> , 2014 , 63, 429-36	7.4	36
82	Enabling innovative translational research in acute kidney injury. <i>Clinical and Translational Science</i> , 2012 , 5, 93-101	4.9	32
81	Detection of early changes in renal function using 99mTc-MAG3 imaging in a murine model of ischemia-reperfusion injury. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 293, F1408-12	4.3	31

80	Effect of salt intake on progression of chronic kidney disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2006 , 15, 54-60	3.5	31
79	Potassium inhibits dietary salt-induced transforming growth factor-beta production. <i>Hypertension</i> , 2009 , 54, 1159-63	8.5	29
78	Increased dietary salt activates rat aortic endothelium. <i>Hypertension</i> , 2002 , 39, 239-44	8.5	29
77	Dietary potassium: a key mediator of the cardiovascular response to dietary sodium chloride. <i>Journal of the American Society of Hypertension</i> , 2013 , 7, 395-400		28
76	Increased dietary salt accelerates chronic allograft nephropathy in rats. <i>Kidney International</i> , 2001 , 59, 1149-57	9.9	28
75	Induction of apoptosis during development of hypertensive nephrosclerosis. <i>Kidney International</i> , 2000 , 58, 2007-2017	9.9	28
74	The use of immunoglobulin light chain assays in the diagnosis of paraprotein-related kidney disease. <i>Kidney International</i> , 2015 , 87, 692-7	9.9	27
73	Animal models of monoclonal immunoglobulin-related renal diseases. <i>Nature Reviews Nephrology</i> , 2018 , 14, 246-264	14.9	27
72	Renin-angiotensin inhibition in diastolic heart failure and chronic kidney disease. <i>American Journal of Medicine</i> , 2013 , 126, 150-61	2.4	27
71	Association of dietary sodium and potassium intakes with albuminuria in normal-weight, overweight, and obese participants in the Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study. <i>American Journal of Clinical Nutrition</i> , 2011 , 94, 1071-8	7	26
70	Dietary salt intake activates MAP kinases in the rat kidney. <i>FASEB Journal</i> , 2002 , 16, 1683-4	0.9	26
69	Immunoglobulin light chains generate proinflammatory and profibrotic kidney injury. <i>Journal of Clinical Investigation</i> , 2019 , 129, 2792-2806	15.9	26
68	In vivo effects of a human thyroid-stimulating monoclonal autoantibody (M22) and a human thyroid-blocking autoantibody (K1-70). <i>Autoimmunity Highlights</i> , 2012 , 3, 19-25	3.7	25
67	EGF receptor activity modulates apoptosis induced by inhibition of the proteasome of vascular smooth muscle cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2007 , 18, 131-42	12.7	25
66	In vitro modulation of AL-amyloid formation by human mesangial cells exposed to amyloidogenic light chains. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 1998 , 5, 238-46	2.7	24
65	Molecular interactions between the TSH receptor and a Thyroid-stimulating monoclonal autoantibody. <i>Thyroid</i> , 2007 , 17, 699-706	6.2	23
64	Cytochrome c mediates apoptosis in hypertensive nephrosclerosis in Dahl/Rapp rats. <i>Kidney International</i> , 2001 , 59, 662-72	9.9	23
63	Nitric oxide synthase (NOS2) mutation in Dahl/Rapp rats decreases enzyme stability. <i>Circulation Research</i> , 2001 , 89, 317-22	15.7	22

62	Downregulation of FIP200 induces apoptosis of glioblastoma cells and microvascular endothelial cells by enhancing Pyk2 activity. <i>PLoS ONE</i> , 2011 , 6, e19629	3.7	21
61	Paraproteinemic renal diseases that involve the tubulo-interstitium. <i>Contributions To Nephrology</i> , 2007 , 153, 105-15	1.6	21
60	Enhanced expression of EGF receptor in a model of salt-sensitive hypertension. <i>American Journal of Physiology - Renal Physiology</i> , 2005 , 289, F314-21	4.3	21
59	Induction of apoptosis during development of hypertensive nephrosclerosis. <i>Kidney International</i> , 2000 , 58, 2007-17	9.9	21
58	Transforming growth factor- β regulates endothelial function during high salt intake in rats. <i>Hypertension</i> , 2013 , 62, 951-6	8.5	20
57	Pivotal role of apoptosis signal-regulating kinase 1 in monoclonal free light chain-mediated apoptosis. <i>American Journal of Pathology</i> , 2012 , 180, 41-7	5.8	20
56	Spironolactone use and higher hospital readmission for Medicare beneficiaries with heart failure, left ventricular ejection fraction. <i>American Journal of Cardiology</i> , 2014 , 114, 79-82	3	19
55	Effect of dietary salt on regulation of TGF- β in the kidney. <i>Seminars in Nephrology</i> , 2012 , 32, 269-76	4.8	19
54	Clinicopathologic predictors of renal outcomes in light chain cast nephropathy: a multicenter retrospective study. <i>Blood</i> , 2020 , 135, 1833-1846	2.2	18
53	Transforming growth factor- β mediates endothelial dysfunction in rats during high salt intake. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 309, F1018-25	4.3	18
52	Light chain-mediated tubulopathies. <i>Contributions To Nephrology</i> , 2011 , 169, 262-269	1.6	16
51	Mechanism of hypertensive nephropathy in the Dahl/Rapp rat: a primary disorder of vascular smooth muscle. <i>American Journal of Physiology - Renal Physiology</i> , 2005 , 288, F236-42	4.3	16
50	A reproducible mouse model of chronic allograft nephropathy with vasculopathy. <i>Kidney International</i> , 2012 , 82, 1231-5	9.9	15
49	Contribution of intrarenal cells to cellular repair after acute kidney injury: subcapsular implantation technique. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, F310-4	4.3	15
48	Dietary salt activates an endothelial proline-rich tyrosine kinase 2/c-Src/phosphatidylinositol 3-kinase complex to promote endothelial nitric oxide synthase phosphorylation. <i>Hypertension</i> , 2008 , 52, 1134-41	8.5	15
47	Similarities and differences in interactions of thyroid stimulating and blocking autoantibodies with the TSH receptor. <i>Journal of Molecular Endocrinology</i> , 2012 , 49, 137-51	4.5	14
46	Assessment and treatment of hypertension in dialysis: the case for salt restriction. <i>Seminars in Dialysis</i> , 2007 , 20, 408-11	2.5	13
45	Accelerated ubiquitination and proteasome degradation of a genetic variant of inducible nitric oxide synthase. <i>Biochemical Journal</i> , 2003 , 376, 789-94	3.8	13

44	Gene knockout of the Na-glucose cotransporter SGLT2 in a murine model of acute kidney injury induced by ischemia-reperfusion. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 318, F1100-F1112	4.3	12
43	Serum free light chain level at diagnosis in myeloma cast nephropathy-a multicentre study. <i>Blood Cancer Journal</i> , 2020 , 10, 28	7	12
42	Activation of the Fas/Fas ligand pathway in hypertensive renal disease in Dahl/Rapp rats. <i>BMC Nephrology</i> , 2002 , 3, 1	2.7	12
41	Transcription factor avian erythroblastosis virus E26 oncogen homolog-1 is a novel mediator of renal injury in salt-sensitive hypertension. <i>Hypertension</i> , 2015 , 65, 813-20	8.5	11
40	Plasma xanthine oxidase activity is related to increased sodium and left ventricular hypertrophy in resistant hypertension. <i>Free Radical Biology and Medicine</i> , 2019 , 134, 343-349	7.8	10
39	Effect of aging and dietary salt and potassium intake on endothelial PTEN (Phosphatase and tensin homolog on chromosome 10) function. <i>PLoS ONE</i> , 2012 , 7, e48715	3.7	10
38	Studies of arginine metabolism and salt sensitivity in the Dahl/Rapp rat models of hypertension. <i>Molecular Genetics and Metabolism</i> , 1998 , 64, 80-3	3.7	10
37	Sodium and potassium excretion predict increased depression in urban adolescents. <i>Physiological Reports</i> , 2019 , 7, e14213	2.6	9
36	A propensity-matched study of the comparative effectiveness of angiotensin receptor blockers versus angiotensin-converting enzyme inhibitors in heart failure patients age ≥ 65 years. <i>American Journal of Cardiology</i> , 2011 , 108, 1443-8	3	9
35	Relationship between stage of kidney disease and incident heart failure in older adults. <i>American Journal of Nephrology</i> , 2011 , 34, 135-41	4.6	9
34	Calciophylaxis mimicking skin lesions of connective tissue diseases. <i>Southern Medical Journal</i> , 1996 , 89, 1099-100	0.6	9
33	Distinct populations of label-retaining cells in the adult kidney are defined temporally and exhibit divergent regional distributions. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 307, F1274-82	4.3	8
32	Free light chains injure proximal tubule cells through the STAT1/HMGB1/TLR axis. <i>JCI Insight</i> , 2020 , 5,	9.9	8
31	Nitric oxide and carbon monoxide antagonize TGF- β through ligand-independent internalization of TR1/ALK5. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 307, F727-35	4.3	7
30	TSH receptor specific monoclonal autoantibody K1-70 targeting of the TSH receptor in subjects with Graves disease and Graves orbitopathy - results from a phase I clinical trial: Conclusions.. <i>Clinical Endocrinology</i> , 2022 ,	3.4	7
29	Blocking the Thyrotropin Receptor with K1-70 in a Patient with Follicular Thyroid Cancer, Graves Disease, and Graves Ophthalmopathy. <i>Thyroid</i> , 2021 , 31, 1597-1602	6.2	7
28	Calreticulin is important for the development of renal fibrosis and dysfunction in diabetic nephropathy. <i>Matrix Biology Plus</i> , 2020 , 8, 100034	5.1	6
27	Relationship of diastolic blood pressure with cyclic GMP excretion among young adults (the CARDIA Study): influence of a family history of hypertension. Coronary Artery Risk Development in Young Adults. <i>Journal of Hypertension</i> , 1997 , 15, 955-62	1.9	6

26	Haploinsufficiency of the Transcription Factor Is Renoprotective in Dahl Salt-Sensitive Rats. <i>Journal of the American Society of Nephrology: JASN</i> , 2017 , 28, 3239-3250	12.7	5
25	A new twist in myeloma treatment. <i>Blood</i> , 2006 , 107, 413-414	2.2	5
24	Differential toxicity of human Bence-Jones proteins in the rat proximal convoluted tubule in vivo. <i>Contributions To Nephrology</i> , 1988 , 68, 198-202	1.6	5
23	Avian erythroblastosis virus E26 oncogene homolog-1 (ETS-1) plays a role in renal microvascular pathophysiology in the Dahl salt-sensitive rat. <i>Kidney International</i> , 2020 , 97, 528-537	9.9	5
22	Sodium and potassium regulate endothelial phospholipase C- β and Bmx. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 307, F58-63	4.3	4
21	Inverse relationship of urinary cyclic GMP to blood pressure reactivity in the CARDIA study: vasodilatory regulation of sympathetic vasoconstriction. <i>Coronary Artery Risk Development in Young Adults. Psychosomatic Medicine</i> , 1998 , 60, 319-26	3.7	4
20	Crystal structure of a ligand-free stable TSH receptor leucine-rich repeat domain. <i>Journal of Molecular Endocrinology</i> , 2019 , 62, 117-128	4.5	4
19	The Proximal Tubule Toxicity of Immunoglobulin Light Chains. <i>Kidney International Reports</i> , 2021 , 6, 1225-1231	4.1	4
18	Preclinical studies on the toxicology, pharmacokinetics and safety of K1-70 a human monoclonal autoantibody to the TSH receptor with TSH antagonist activity. <i>Autoimmunity Highlights</i> , 2019 , 10, 11	3.7	4
17	Management of paraproteinemic renal disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2005 , 14, 97-103	3.5	2
16	Renoprotective effect of deletion in murine aristolochic acid nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 320, F87-F96	4.3	2
15	Myeloma and Secondary Involvement of the Kidney in Dysproteinemias 2008 , 461-468		1
14	Impact of autologous stem cell transplantation on long term renal function and associated progression-free and overall survival in multiple myeloma. <i>Leukemia and Lymphoma</i> , 2020 , 61, 3101-3111	1.9	1
13	Restoration of afferent arteriolar autoregulatory behavior in ischemia-reperfusion injury in rat kidneys. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 320, F429-F441	4.3	1
12	Cellular antioxidant mechanisms control immunoglobulin light chain-mediated proximal tubule injury. <i>Free Radical Biology and Medicine</i> , 2021 , 171, 80-90	7.8	1
11	UAB-UCSD O'Brien Center for Acute Kidney Injury Research. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 320, F870-F882	4.3	0
10	Reply: To PMID 24846806. <i>American Journal of Cardiology</i> , 2015 , 115, 156	3	
9	Dysproteinemias and Amyloidosis 2014 , 235-243		

- 8 Changing paradigms in acute kidney injury: from mechanisms to management--proceedings of the 5th annual UAB-UCSD O'Brien Center Symposium (San Diego, Calif., USA, March 4, 2014). *Nephron Clinical Practice*, **2014**, 127, 117-8
- 7 Population-wide sodium reduction: reasons to resist. *Mayo Clinic Proceedings*, **2014**, 89, 427-8 6.4
- 6 Salt sensitivity: it is not always in the genes. *Hypertension*, **2008**, 51, 823-4 8.5
- 5 The Influence of Dietary Salt Intake on Endothelial Cell Function1287-1293
- 4 Pathogenesis of Paraproteinemic Renal Disease **2008**, 435-440
- 3 Dysproteinemias and Amyloidosis **2009**, 232-241
- 2 Racial Differences in XO (Xanthine Oxidase) and Mitochondrial DNA Damage-Associated Molecular Patterns in Resistant Hypertension.. *Hypertension*, **2022**, HYPERTENSIONAHA12118298 8.5
- 1 Dietary salt initiates redox signaling between endothelium and vascular smooth muscle through NADPH oxidase 4.. *Redox Biology*, **2022**, 52, 102296 11.3