Paul W Sanders

List of Publications by Year
in descending order

137 papers	6,164 citations	46918 47 h-index	79541 73 g-index
165 all docs	165 docs citations	165 times ranked	6633 citing authors

#	Article	IF	Citations
1	The evaluation of monoclonal gammopathy of renal significance: a consensus report of the International Kidney and Monoclonal Gammopathy Research Group. Nature Reviews Nephrology, 2019, 15, 45-59.	4.1	330
2	Role of Dietary Salt and Potassium Intake in Cardiovascular Health and Disease: A Review of the Evidence. Mayo Clinic Proceedings, 2013, 88, 987-995.	1.4	269
3	The pathogenesis and diagnosis of acute kidney injury in multiple myeloma. Nature Reviews Nephrology, 2012, 8, 43-51.	4.1	226
4	Chronic Kidney Disease Associated Mortality in Diastolic Versus Systolic Heart Failure: A Propensity Matched Studyâ€â€The Digitalis Investigation Group study was conducted and supported by the National Heart, Lung, and Blood Institute in collaboration with the Digitalis Investigation Group Investigators. This manuscript was prepared using a limited access data set obtained by the National Heart, Lung, and Blood Institute and does not necessarily reflect the opinions or views of the Digitalis Investigation Gro. American Journal of Cardiology, 2007, 99, 393-398.	0.7	217
5	Crystal Structure of the TSH Receptor in Complex with a Thyroid-Stimulating Autoantibody. Thyroid, 2007, 17, 395-410.	2.4	205
6	KDOQI US Commentary on the 2012 KDIGO Clinical Practice Guideline for Management of Blood Pressure in CKD. American Journal of Kidney Diseases, 2013, 62, 201-213.	2.1	174
7	Hyperuricaemia, chronic kidney disease, and outcomes in heart failure: potential mechanistic insights from epidemiological data. European Heart Journal, 2011, 32, 712-720.	1.0	124
8	Hypokalemia and Outcomes in Patients With Chronic Heart Failure and Chronic Kidney Disease. Circulation: Heart Failure, 2010, 3, 253-260.	1.6	123
9	Crystal structure of the TSH receptor bound to a blocking type TSHR autoantibody. Journal of Molecular Endocrinology, 2011, 46, 81-99.	1.1	115
10	High dietary sodium intake impairs endothelium-dependent dilation in healthy salt-resistant humans. Journal of Hypertension, 2013, 31, 530-536.	0.3	115
11	Mapping the Binding Domain of Immunoglobulin Light Chains for Tamm-Horsfall Protein. American Journal of Pathology, 2001, 158, 1859-1866.	1.9	108
12	Vascular consequences of dietary salt intake. American Journal of Physiology - Renal Physiology, 2009, 297, F237-F243.	1.3	107
13	Mitochondrial targets of oxidative stress during renal ischemia/reperfusion. Archives of Biochemistry and Biophysics, 2003, 412, 27-33.	1.4	104
14	Paracrine effects of mesenchymal stem cells in cisplatin-induced renal injury require heme oxygenase-1. American Journal of Physiology - Renal Physiology, 2011, 300, F254-F262.	1.3	103
15	Dietary sodium loading impairs microvascular function independent of blood pressure in humans: role of oxidative stress. Journal of Physiology, 2012, 590, 5519-5528.	1.3	96
16	Human Bence Jones protein toxicity in rat proximal tubule epithelium in vivo. Kidney International, 1987, 32, 851-861.	2.6	95
17	ORIGINAL ARTICLE: Monoclonal autoantibodies to the TSH receptor, one with stimulating activity and one with blocking activity, obtained from the same blood sample. Clinical Endocrinology, 2010, 73, 404-412.	1.2	93
18	Association between hyperuricemia and incident heart failure among older adults: A propensity-matched study. International Journal of Cardiology, 2010, 142, 279-287.	0.8	92

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19	Mitochondrial tyrosine nitration precedes chronic allograft nephropathy. Free Radical Biology and Medicine, 2001, 31, 1603-1608.	1.3	90
20	AL-amyloidosis is underdiagnosed in renal biopsies. Nephrology Dialysis Transplantation, 2004, 19, 3050-3053.	0.4	87
21	Salt Intake, Endothelial Cell Signaling, and Progression of Kidney Disease. Hypertension, 2004, 43, 142-146.	1.3	85
22	Mechanisms of Light Chain Injury along the Tubular Nephron. Journal of the American Society of Nephrology: JASN, 2012, 23, 1777-1781.	3.0	83
23	Dietary salt modulates renal production of transforming growth factor-Î² in rats. American Journal of Physiology - Renal Physiology, 1998, 274, F635-F641.	1.3	80
24	Mechanisms and consequences of salt sensitivity and dietary salt intake. Current Opinion in Nephrology and Hypertension, 2011, 20, 37-43.	1.0	74
25	Mechanism and prevention of acute kidney injury from cast nephropathy in a rodent model. Journal of Clinical Investigation, 2012, 122, 1777-1785.	3.9	71
26	Renin-Angiotensin Inhibition in Systolic Heart Failure and Chronic Kidney Disease. American Journal of Medicine, 2012, 125, 399-410.	0.6	69
27	Immunoglobulin light chains activate nuclear factor-ÎºB in renal epithelial cells through a Src-dependent mechanism. Blood, 2011, 117, 1301-1307.	0.6	67
28	Isolated Systolic Hypertension and Incident Heart Failure in Older Adults. Hypertension, 2009, 53, 458-465.	1.3	65
29	Immunoglobulin Light Chains Generate Hydrogen Peroxide. Journal of the American Society of Nephrology: JASN, 2007, 18, 1239-1245.	3.0	64
30	Novel Paradigms of Salt and Hypertension. Journal of the American Society of Nephrology: JASN, 2017, 28, 1362-1369.	3.0	64
31	Paraproteinâ€“Related Kidney Disease: Kidney Injury from Paraproteinsâ€”What Determines the Site of Injury?. Clinical Journal of the American Society of Nephrology: CJASN, 2016, 11, 2288-2294.	2.2	63
32	Dietary Salt Intake, Salt Sensitivity, and Cardiovascular Health. Hypertension, 2009, 53, 442-445.	1.3	61
33	A Human Monoclonal Autoantibody to the Thyrotropin Receptor with Thyroid-Stimulating Blocking Activity. Thyroid, 2008, 18, 735-746.	2.4	59
34	Dietary potassium regulates vascular calcification and arterial stiffness. JCI Insight, 2017, 2, .	2.3	59
35	The interrelationship between TGF-Î²1 and nitric oxide is altered in salt-sensitive hypertension. American Journal of Physiology - Renal Physiology, 2003, 285, F902-F908.	1.3	58
36	Effects of enalapril in systolic heart failure patients with and without chronic kidney disease: Insights from the SOLVD Treatment trial. International Journal of Cardiology, 2013, 167, 151-156.	0.8	58

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37	Effect of urinary pH and diatrizoate on Bence Jones protein nephrotoxicity in the rat. Kidney International, 1985, 27, 46-50.	2.6	56
38	Dietary salt regulates expression of Tamm-Horsfall glycoprotein in rats. Kidney International, 1998, 54, 1150-1156.	2.6	56
39	Activation of Corticotropin-Releasing Factor Receptor 2 Mediates the Colonic Motor Coping Response to Acute Stress in Rodents. Gastroenterology, 2011, 140, 1586-1596.e6.	0.6	56
40	Vascular Smooth Muscle Nitric Oxide Synthase Anomalies in Dahl/Rapp Salt-Sensitive Rats. Hypertension, 1998, 31, 918-924.	1.3	54
41	Dietary salt increases endothelial nitric oxide synthase and TGF-Î²1 in rat aortic endothelium. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H1293-H1298.	1.5	52
42	Immunoglobulin Light Chains Activate Tubular Epithelial Cells through Redox Signaling. Journal of the American Society of Nephrology: JASN, 2010, 21, 1165-1173.	3.0	52
43	Community Mobility Among Older Adults With Reduced Kidney Function: A Study of Life-Space. American Journal of Kidney Diseases, 2014, 63, 429-436.	2.1	51
44	Ultrastructural Immunolabeling: A Unique Diagnostic Tool in Monoclonal Light Chain-Related Renal Diseases. Ultrastructural Pathology, 1994, 18, 401-416.	0.4	50
45	Dietary salt enhances glomerular endothelial nitric oxide synthase through TGF-Î²1. American Journal of Physiology - Renal Physiology, 1998, 275, F18-F24.	1.3	50
46	Association of chronic kidney disease with outcomes in chronic heart failure: a propensity-matched study. Nephrology Dialysis Transplantation, 2008, 24, 186-193.	0.4	50
47	Effects of TSH Receptor Mutations on Binding and Biological Activity of Monoclonal Antibodies and TSH. Thyroid, 2006, 16, 1195-1206.	2.4	48
48	Mild hyperkalemia and outcomes in chronic heart failure: A propensity matched study. International Journal of Cardiology, 2010, 144, 383-388.	0.8	48
49	Mechanism of dietary salt-mediated increase in intravascular production of TGF-Î²1. American Journal of Physiology - Renal Physiology, 2008, 295, F406-F414.	1.3	47
50	Morphologic alterations of the proximal tubules in light chain-related renal disease. Kidney International, 1988, 33, 881-889.	2.6	43
51	Animal models of monoclonal immunoglobulin-related renal diseases. Nature Reviews Nephrology, 2018, 14, 246-264.	4.1	43
52	Growth factors in monoclonal light-chain-related renal diseases. Human Pathology, 1994, 25, 883-892.	1.1	42
53	Effect of salt intake on progression of chronic kidney disease. Current Opinion in Nephrology and Hypertension, 2006, 15, 54-60.	1.0	42
54	Clinicopathologic predictors of renal outcomes in light chain cast nephropathy: a multicenter retrospective study. Blood, 2020, 135, 1833-1846.	0.6	42

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55	Dietary potassium: A key mediator of the cardiovascular response to dietary sodium chloride. Journal of the American Society of Hypertension, 2013, 7, 395-400.	2.3	40
56	Immunoglobulin light chains generate proinflammatory and profibrotic kidney injury. Journal of Clinical Investigation, 2019, 129, 2792-2806.	3.9	39
57	Effect of Dietary Salt on Regulation of TGF-Î² in the Kidney. Seminars in Nephrology, 2012, 32, 269-276.	0.6	37
58	Detection of early changes in renal function using ^{99m}Tc-MAG3 imaging in a murine model of ischemia-reperfusion injury. American Journal of Physiology - Renal Physiology, 2007, 293, F1408-F1412.	1.3	36
59	In vivo effects of a human thyroid-stimulating monoclonal autoantibody (M22) and a human thyroid-blocking autoantibody (K1-70). Autoimmunity Highlights, 2012, 3, 19-25.	3.9	35
60	Enabling Innovative Translational Research in Acute Kidney Injury. Clinical and Translational Science, 2012, 5, 93-101.	1.5	35
61	Induction of apoptosis during development of hypertensive nephrosclerosis11See Editorial by Ortiz, p. 2235. Kidney International, 2000, 58, 2007-2017.	2.6	34
62	Potassium Inhibits Dietary Salt-Induced Transforming Growth Factor-Î² Production. Hypertension, 2009, 54, 1159-1163.	1.3	32
63	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. American Journal of Clinical Nutrition, 2011, 94, 1071-1078.	2.2	32
64	In vitro modulation of AL-amyloid formation by human mesangial cells exposed to amyloidogenic light chains. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1998, 5, 238-246.	1.4	31
65	Cytochrome c mediates apoptosis in hypertensive nephrosclerosis in Dahl/Rapp rats. Kidney International, 2001, 59, 662-672.	2.6	31
66	Increased dietary salt accelerates chronic allograft nephropathy in rats. Kidney International, 2001, 59, 1149-1157.	2.6	31
67	Increased Dietary Salt Activates Rat Aortic Endothelium. Hypertension, 2002, 39, 239-244.	1.3	31
68	The use of immunoglobulin light chain assays in the diagnosis of paraprotein-related kidney disease. Kidney International, 2015, 87, 692-697.	2.6	31
69	Serum free light chain level at diagnosis in myeloma cast nephropathyâ€"a multicentre study. Blood Cancer Journal, 2020, 10, 28.	2.8	31
70	Renin-Angiotensin Inhibition in Diastolic Heart Failure and Chronic Kidney Disease. American Journal of Medicine, 2013, 126, 150-161.	0.6	29
71	Induction of apoptosis during development of hypertensive nephrosclerosis. Kidney International, 2000, 58, 2007-2017.	2.6	29
72	Dietary salt intake activates MAP kinases in the rat kidney 1. FASEB Journal, 2002, 16, 1683-1684.	0.2	28

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73	TSH receptor specific monoclonal autoantibody K1â€70^{TM} targeting of the TSH receptor in subjects with Graves' disease and Graves' orbitopathyâ€"Results from a phase I clinical trial. Clinical Endocrinology, 2022, 96, 878-887.	1.2	28
74	Gene knockout of the Na⁺-glucose cotransporter SGLT2 in a murine model of acute kidney injury induced by ischemia-reperfusion. American Journal of Physiology - Renal Physiology, 2020, 318, F1100-F1112.	1.3	27
75	EGF Receptor Activity Modulates Apoptosis Induced by Inhibition of the Proteasome of Vascular Smooth Muscle Cells. Journal of the American Society of Nephrology: JASN, 2007, 18, 131-142.	3.0	26
76	Enhanced expression of EGF receptor in a model of salt-sensitive hypertension. American Journal of Physiology - Renal Physiology, 2005, 289, F314-F321.	1.3	25
77	Molecular Interactions between the TSH Receptor and a Thyroid-Stimulating Monoclonal Autoantibody. Thyroid, 2007, 17, 699-706.	2.4	25
78	Nitric Oxide Synthase (NOS2) Mutation in Dahl/Rapp Rats Decreases Enzyme Stability. Circulation Research, 2001, 89, 317-322.	2.0	24
79	Paraproteinemic Renal Diseases that Involve the Tubulo-Interstitium. , 2006, 153, 105-115.		24
80	A reproducible mouse model of chronic allograft nephropathy with vasculopathy. Kidney International, 2012, 82, 1231-1235.	2.6	24
81	Pivotal Role of Apoptosis Signal-Regulating Kinase 1 in Monoclonal Free Light Chainâ€"Mediated Apoptosis. American Journal of Pathology, 2012, 180, 41-47.	1.9	24
82	Downregulation of FIP200 Induces Apoptosis of Glioblastoma Cells and Microvascular Endothelial Cells by Enhancing Pyk2 Activity. PLoS ONE, 2011, 6, e19629.	1.1	22
83	Transforming Growth Factor-Î² Regulates Endothelial Function During High Salt Intake in Rats. Hypertension, 2013, 62, 951-956.	1.3	22
84	Spironolactone Use and Higher Hospital Readmission for Medicare Beneficiaries With Heart Failure, Left Ventricular Ejection Fraction <45%, and Estimated Glomerular Filtration Rate <45 ml/min/1.73Âm2. American Journal of Cardiology, 2014, 114, 79-82.	0.7	22
85	Blocking the TSH receptor with K1-70â„¢ in a patient with follicular thyroid cancer, Graves' disease and Graves' ophthalmopathy. Thyroid, 2021, 31, 1597-1602.	2.4	22
86	Transforming growth factor-Î² mediates endothelial dysfunction in rats during high salt intake. American Journal of Physiology - Renal Physiology, 2015, 309, F1018-F1025.	1.3	21
87	Mechanism of hypertensive nephropathy in the Dahl/Rapp rat: a primary disorder of vascular smooth muscle. American Journal of Physiology - Renal Physiology, 2005, 288, F236-F242.	1.3	19
88	Contribution of intrarenal cells to cellular repair after acute kidney injury: subcapsular implantation technique. American Journal of Physiology - Renal Physiology, 2008, 295, F310-F314.	1.3	18
89	Light Chain-Mediated Tubulopathies. Contributions To Nephrology, 2011, 169, 262-269.	1.1	18
90	Sodium and potassium excretion predict increased depression in urban adolescents. Physiological Reports, 2019, 7, e14213.	0.7	17

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91	Similarities and differences in interactions of thyroid stimulating and blocking autoantibodies with the TSH receptor. Journal of Molecular Endocrinology, 2012, 49, 137-151.	1.1	16
92	Calreticulin is important for the development of renal fibrosis and dysfunction in diabetic nephropathy. Matrix Biology Plus, 2020, 8, 100034.	1.9	16
93	The Proximal Tubule Toxicity of Immunoglobulin Light Chains. Kidney International Reports, 2021, 6, 1225-1231.	0.4	16
94	Activation of the Fas/Fas ligand pathway in hypertensive renal disease in Dahl/Rapp rats. BMC Nephrology, 2002, 3, 1.	0.8	15
95	Guest Editor: Rajiv Agarwal: Assessment and Treatment of Hypertension in Dialysis: The Case for Salt Restriction. Seminars in Dialysis, 2007, 20, 408-411.	0.7	15
96	Dietary Salt Activates an Endothelial Proline-Rich Tyrosine Kinase 2/c-Src/Phosphatidylinositol 3-Kinase Complex to Promote Endothelial Nitric Oxide Synthase Phosphorylation. Hypertension, 2008, 52, 1134-1141.	1.3	15
97	Plasma xanthine oxidase activity is related to increased sodium and left ventricular hypertrophy in resistant hypertension. Free Radical Biology and Medicine, 2019, 134, 343-349.	1.3	14
98	Free light chains injure proximal tubule cells through the STAT1/HMGB1/TLR axis. JCI Insight, 2020, 5, .	2.3	14
99	Accelerated ubiquitination and proteasome degradation of a genetic variant of inducible nitric oxide synthase. Biochemical Journal, 2003, 376, 789-794.	1.7	13
100	Transcription Factor Avian Erythroblastosis Virus E26 Oncogen Homolog-1 Is a Novel Mediator of Renal Injury in Salt-Sensitive Hypertension. Hypertension, 2015, 65, 813-820.	1.3	13
101	A Propensity-Matched Study of the Comparative Effectiveness of Angiotensin Receptor Blockers Versus Angiotensin-Converting Enzyme Inhibitors in Heart Failure Patients Age â‰¥65 Years. American Journal of Cardiology, 2011, 108, 1443-1448.	0.7	11
102	Calciphylaxis Mimicking Skin Lesions of Connective Tissue Diseases. Southern Medical Journal, 1996, 89, 1099-1100.	0.3	10
103	Studies of Arginine Metabolism and Salt Sensitivity in the Dahl/Rapp Rat Models of Hypertension. Molecular Genetics and Metabolism, 1998, 64, 80-83.	0.5	10
104	Relationship between Stage of Kidney Disease and Incident Heart Failure in Older Adults. American Journal of Nephrology, 2011, 34, 135-141.	1.4	10
105	Effect of Aging and Dietary Salt and Potassium Intake on Endothelial PTEN (Phosphatase and Tensin) Tj ETQq1 1 0.784314 rgBT /Ove	1.1	10
106	Nitric oxide and carbon monoxide antagonize TGF-Î² through ligand-independent internalization of TÎ²R1/ALK5. American Journal of Physiology - Renal Physiology, 2014, 307, F727-F735.	1.3	10
107	Crystal structure of a ligand-free stable TSH receptor leucine-rich repeat domain. Journal of Molecular Endocrinology, 2019, 62, 117-128.	1.1	10
108	Distinct populations of label-retaining cells in the adult kidney are defined temporally and exhibit divergent regional distributions. American Journal of Physiology - Renal Physiology, 2014, 307, F1274-F1282.	1.3	9

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109	Haploinsufficiency of the Transcription Factor Ets-1 Is Renoprotective in Dahl Salt-Sensitive Rats. Journal of the American Society of Nephrology: JASN, 2017, 28, 3239-3250.	3.0	9
110	Preclinical studies on the toxicology, pharmacokinetics and safety of K1-70TM a human monoclonal autoantibody to the TSH receptor with TSH antagonist activity. Autoimmunity Highlights, 2019, 10, 11.	3.9	9
111	Avian erythroblastosis virus E26 oncogene homolog-1 (ETS-1) plays a role in renal microvascular pathophysiology in the Dahl salt-sensitive rat. Kidney International, 2020, 97, 528-537.	2.6	9
112	Relationship of diastolic blood pressure with cyclic GMP excretion among young adults (the CARDIA) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	6.3	8
113	Management of paraproteinemic renal disease. Current Opinion in Nephrology and Hypertension, 2005, 14, 97-103.	1.0	6
114	Uric Acid: An Old Dog with New Tricks?. Journal of the American Society of Nephrology: JASN, 2006, 17, 1767-1768.	3.0	6
115	Differential Toxicity of Human Bence-Jones Proteins in the Rat Proximal Convoluted Tubule in vivo1. Contributions To Nephrology, 1988, 68, 198-202.	1.1	5
116	Inverse Relationship of Urinary Cyclic GMP to Blood Pressure Reactivity in the CARDIA Study. Psychosomatic Medicine, 1998, 60, 319-326.	1.3	5
117	A new twist in myeloma treatment. Blood, 2006, 107, 413-414.	0.6	5
118	Sodium and potassium regulate endothelial phospholipase C-Î³ and Bmx. American Journal of Physiology - Renal Physiology, 2014, 307, F58-F63.	1.3	5
119	Renoprotective effect of Stat1 deletion in murine aristolochic acid nephropathy. American Journal of Physiology - Renal Physiology, 2021, 320, F87-F96.	1.3	5
120	Evolving Strategies in the Diagnosis, Treatment, and Monitoring of Myeloma Kidney. Advances in Chronic Kidney Disease, 2012, 19, 279-281.	0.6	4
121	UAB-UCSD Oâ€™Brien Center for Acute Kidney Injury Research. American Journal of Physiology - Renal Physiology, 2021, 320, F870-F882.	1.3	4
122	Dysproteinemias and Amyloidosis. , 2009, , 232-241.		4
123	Racial Differences in XO (Xanthine Oxidase) and Mitochondrial DNA Damage-Associated Molecular Patterns in Resistant Hypertension. Hypertension, 2022, 79, 775-784.	1.3	4
124	Beware the low HDAC11: males at risk for ischemic kidney injury. American Journal of Physiology - Renal Physiology, 2013, 305, F973-F974.	1.3	3
125	Impact of autologous stem cell transplantation on long term renal function and associated progression-free and overall survival in multiple myeloma. Leukemia and Lymphoma, 2020, 61, 3101-3111.	0.6	3
126	Restoration of afferent arteriolar autoregulatory behavior in ischemia-reperfusion injury in rat kidneys. American Journal of Physiology - Renal Physiology, 2021, 320, F429-F441.	1.3	3

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127	Hypertensive nephrosclerosis: not enough of a good thing?. American Journal of Physiology - Renal Physiology, 2013, 304, F674-F675.	1.3	2
128	Cellular antioxidant mechanisms control immunoglobulin light chain-mediated proximal tubule injury. Free Radical Biology and Medicine, 2021, 171, 80-90.	1.3	1
129	Myeloma and Secondary Involvement of the Kidney in Dysproteinemias. , 2008, , 461-468.		1
130	The Influence of Dietary Salt Intake on Endothelial Cell Function. , 0, , 1287-1293.		0
131	Salt Sensitivity. Hypertension, 2008, 51, 823-824.	1.3	0
132	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, 117-118.	2.3	0
133	In Replyâ€"Population-wide Sodium Reduction: Reasons to Resist. Mayo Clinic Proceedings, 2014, 89, 427-428.	1.4	0
134	Dysproteinemias and Amyloidosis. , 2014, , 235-243.		0
135	Reply. American Journal of Cardiology, 2015, 115, 156.	0.7	0
136	Pathogenesis of Paraproteinemic Renal Disease. , 2008, , 435-440.		0
137	Dietary salt initiates redox signaling between endothelium and vascular smooth muscle through NADPH oxidase 4. Redox Biology, 2022, 52, 102296.	3.9	0