Samuel N Heyman

List of Publications by Year
in descending order

104 papers	4,466 citations	109264 35 h-index	110317 64 g-index
132 all docs	132 docs citations	132 times ranked	4525 citing authors

#	Article	IF	Citations
1	Letter Regarding Normal Albuminuria in Patients With Autopsy-Proven Advanced Diabetic Nephropathy. Kidney International Reports, 2022, 7, 662.	0.4	1
2	Comment on Oosterwijk et al. High-Normal Protein Intake Is Not Associated With Faster Renal Function Deterioration in Patients With Type 2 Diabetes: A Prospective Analysis in the DIALECT Cohort. Diabetes Care 2022;45:35â€“41. Diabetes Care, 2022, 45, e67-e68.	4.3	2
3	Hyperglycemia on Admission Predicts Acute Kidney Failure and Renal Functional Recovery among Inpatients. Journal of Clinical Medicine, 2022, 11, 54.	1.0	9
4	Changing serum creatinine in the detection of acute renal failure and recovery following radiocontrast studies among acutely ill inpatients: Reviewing insights regarding renal functional reserve gained by large-data analysis. Practical Laboratory Medicine, 2022, 30, e00276.	0.6	5
5	Renal Functional Recovery Confounding the Assessment of Contrast Nephropathy: Propensity Score Analysis. American Journal of Nephrology, 2021, 52, 76-83.	1.4	6
6	Pulmonary, cardiac and renal distribution of ACE2, furin, TMPRSS2 and ADAM17 in rats with heart failure: Potential implication for COVIDâ€19 disease. Journal of Cellular and Molecular Medicine, 2021, 25, 3840-3855.	1.6	18
7	Angiotensin-(1-7)â€"A Potential Remedy for AKI: Insights Derived from the COVID-19 Pandemic. Journal of Clinical Medicine, 2021, 10, 1200.	1.0	18
8	Kinins and chymase: the forgotten components of the renin-angiotensin system and their implications in COVID-19 disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L422-L429.	1.3	25
9	The Duplicitous Nature of ACE2 in COVID-19 Disease. EBioMedicine, 2021, 67, 103356.	2.7	9
10	Renal functional recovery among inpatients: A plausible marker of reduced renal functional reserve. Clinical and Experimental Pharmacology and Physiology, 2021, 48, 1724-1727.	0.9	6
11	Intravascular Small Cell Carcinoma Disguised as Pulmonary Embolism. Israel Medical Association Journal, 2021, 23, 52-54.	0.1	0
12	Near-drowning: new perspectives for human hypoxic acute kidney injury. Nephrology Dialysis Transplantation, 2020, 35, 206-212.	0.4	9
13	Acute Kidney Injury After Radiocontrast-Enhanced Computerized Tomography in Hospitalized Patients With Advanced Renal Failure. Investigative Radiology, 2020, 55, 677-687.	3.5	20
14	Lowâ€salt diet and renal safety: taken with a pinch of salt. Journal of Physiology, 2020, 598, 5299-5300.	1.3	0
15	ACE2, COVID-19 Infection, Inflammation, and Coagulopathy: Missing Pieces in the Puzzle. Frontiers in Physiology, 2020, 11, 574753.	1.3	54
16	Biomarker evidence for distal tubular damage but cortical sparing in hospitalized diabetic patients with acute kidney injury (AKI) while on SGLT2 inhibitors. Renal Failure, 2020, 42, 836-844.	0.8	19
17	Reply to Letter to the Editor: â€œCOVID-19: is the ACE2 just a foe?â€ American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1031-L1031.	1.3	1
18	Reply to Letter to the Editor: â€œDonâ€™t judge too RAShly: the multifaceted role of the renin-angiotensin system and its therapeutic potential in COVID-19â€ American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1029-L1030.	1.3	4

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19	Fasting-Induced Natriuresis and SGLT: A New Hypothesis for an Old Enigma. Frontiers in Endocrinology, 2020, 11, 217.	1.5	13
20	The Lung Macrophage in SARS-CoV-2 Infection: A Friend or a Foe?. Frontiers in Immunology, 2020, 11, 1312.	2.2	143
21	Lay Responder Care for the Adult Victim of Out-of-Hospital Cardiac Arrest. New England Journal of Medicine, 2020, 382, e24.	13.9	1
22	Glycocalyx Degradation in Ischemia-Reperfusion Injury. American Journal of Pathology, 2020, 190, 752-767.	1.9	70
23	Letter to the Editor: Angiotensin-converting enzyme 2: an ally or a Trojan horse? Implications to SARS-CoV-2-related cardiovascular complications. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H1080-H1083.	1.5	43
24	Negligible Risk of Acute Renal Failure Among Hospitalized Patients After Contrast-Enhanced Imaging With Iodinated Versus Gadolinium-Based Agents. Investigative Radiology, 2019, 54, 312-318.	3.5	13
25	Why Have Detection, Understanding and Management of Kidney Hypoxic Injury Lagged Behind those for the Heart?. Journal of Clinical Medicine, 2019, 8, 267.	1.0	7
26	Role of Hypoxia in Renal Failure Caused by Nephrotoxins and Hypertonic Solutions. Seminars in Nephrology, 2019, 39, 530-542.	0.6	12
27	Pleurisy Can Cause Chest Wall Tenderness: A Case Report. European Journal of Case Reports in Internal Medicine, 2019, 7, 001657.	0.2	0
28	Acute Renal Failure Following Near-Drowning. Kidney International Reports, 2018, 3, 833-840.	0.4	11
29	Cardiac tamponade and coronary artery pseudoaneurysm after brachial arterial embolectomy, possible role for an aberrant origin of the right coronary artery. Journal of Vascular Surgery Cases and Innovative Techniques, 2018, 4, 27-30.	0.3	0
30	Can SGLT2 Inhibitors Cause Acute Renal Failure? Plausible Role for Altered Glomerular Hemodynamics and Medullary Hypoxia. Drug Safety, 2018, 41, 239-252.	1.4	71
31	FP251ACUTE KIDNEY INJURY FOLLOWING NEAR DROWNING IN SEA WATER: AN ARCHETYPE OF RENAL OXYGENATION IMBALANCE. Nephrology Dialysis Transplantation, 2018, 33, i114-i115.	0.4	0
32	Concerning cellular and molecular pathways of renal repair after acute kidney injury. Kidney International, 2018, 94, 218.	2.6	6
33	Interacting hypoxia and endothelin in the diabetic kidney: therapeutic options. American Journal of Physiology - Renal Physiology, 2018, 314, F699-F701.	1.3	3
34	Clinical Spectrum and Mechanism of Acute Kidney Injury in Patients with Diabetes Mellitus on SGLT-2 Inhibitors. Israel Medical Association Journal, 2018, 20, 513-516.	0.1	8
35	Potential Hypoxic Renal Injury in Patients With Diabetes on SGLT2 Inhibitors: Caution Regarding Concomitant Use of NSAIDs and Iodinated Contrast Media. Diabetes Care, 2017, 40, e40-e41.	4.3	31
36	Fatal Mesenteric Ischemia Induced by Synthetic Cannabinoids: A Case Report and Literature Review. Case Reports in Emergency Medicine, 2017, 2017, 1-5.	0.1	2

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37	Combined antioxidant effects of Neem extract, bacteria, red blood cells and Lysozyme: possible relation to periodontal disease. BMC Complementary and Alternative Medicine, 2017, 17, 399.	3.7	26
38	Increased Hematocrit During Sodium-Glucose Cotransporter-2 Inhibitor Therapy. Journal of Clinical Medicine Research, 2017, 9, 176-177.	0.6	13
39	Involvement of heparanase in the pathogenesis of acute kidney injury: nephroprotective effect of PG545. Oncotarget, 2017, 8, 34191-34204.	0.8	32
40	Deployment of field hospitals to disaster regions: Insights from ten medical relief operations spanning three decades. American Journal of Disaster Medicine, 2017, 12, 243-256.	0.1	10
41	Recoverable, Record-High Lactic Acidosis in a Patient with Glycogen Storage Disease Type 1: A Mixed Type A and Type B Lactate Disorder. Case Reports in Medicine, 2016, 2016, 1-5.	0.3	7
42	Neutrophil gelatinase-associated lipocalin in a triphasic rat model of adenine-induced kidney injury. Renal Failure, 2016, 38, 1448-1454.	0.8	5
43	Heparanase: A Potential New Factor Involved in the Renal Epithelial Mesenchymal Transition (EMT) Induced by Ischemia/Reperfusion (I/R) Injury. PLoS ONE, 2016, 11, e0160074.	1.1	47
44	Multiple Sterile Splenic and Lymph Node Abscesses in a Patient with Long-Standing Ulcerative Colitis. Israel Medical Association Journal, 2016, 18, 633-635.	0.1	0
45	Endothelin-converting enzyme is a plausible target gene for hypoxia-inducible factor. Kidney International, 2015, 87, 761-770.	2.6	20
46	Efficacy of adalimumab therapy for life-threatening pulmonary vasculitis in BehÃ§etâ€™s disease. Rheumatology International, 2014, 34, 857-860.	1.5	17
47	Bile cast nephropathy. Kidney International, 2014, 85, 479.	2.6	12
48	Assessment with Unenhanced MRI Techniques of Renal Morphology and Hemodynamic Changes during Acute Kidney Injury and Chronic Kidney Disease in Mice. American Journal of Nephrology, 2014, 39, 268-278.	1.4	17
49	Regulation of hypoxiaâ€inducible factor in kidney disease. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 148-157.	0.9	112
50	Hemodynamic response magnetic resonance imaging: application for renal hemodynamic characterization. Nephrology Dialysis Transplantation, 2013, 28, 1150-1156.	0.4	17
51	Why Is Diabetes Mellitus a Risk Factor for Contrast-Induced Nephropathy?. BioMed Research International, 2013, 2013, 1-8.	0.9	86
52	Phosphodiesterase-5 inhibition attenuates early renal ischemia-reperfusion-induced acute kidney injury: assessment by quantitative measurement of urinary NGAL and KIM-1. American Journal of Physiology - Renal Physiology, 2013, 304, F1099-F1104.	1.3	40
53	<i>In vivo</i> evidence suggesting reciprocal renal hypoxiaâ€inducible factorâ€1 upregulation and signal transducer and activator of transcription 3 activation in response to hypoxic and nonâ€hypoxic stimuli. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 262-272.	0.9	19
54	Cellular adaptive changes in AKI: mitigating renal hypoxic injury. Nephrology Dialysis Transplantation, 2012, 27, 1721-1728.	0.4	54

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55	Acute Kidney Injury: Lessons from Experimental Models. Contributions To Nephrology, 2011, 169, 286-296.	1.1	54
56	Hypoxia-inducible factors and the prevention of acute organ injury. Critical Care, 2011, 15, 209.	2.5	36
57	Scattered striated persistent nephrogram in sepsis. Nephrology Dialysis Transplantation, 2011, 26, 2053-2055.	0.4	7
58	Hypoxia, Oxidative Stress, and the Pathophysiology of Contrast-Media-Induced Nephropathy. , 2011, , 229-256.		4
59	Reactive Oxygen Species and the Pathogenesis of Radiocontrast-Induced Nephropathy. Investigative Radiology, 2010, 45, 188-195.	3.5	248
60	Experimental ischemiaâ€"reperfusion: biases and mythsâ€"the proximal vs. distal hypoxic tubular injury debate revisited. Kidney International, 2010, 77, 9-16.	2.6	153
61	In vivo models of acute kidney injury. Drug Discovery Today: Disease Models, 2010, 7, 51-56.	1.2	4
62	Hypoxia-inducible factor-2Î±-expressing interstitial fibroblasts are the only renal cells that express erythropoietin under hypoxia-inducible factor stabilization. Kidney International, 2010, 77, 312-318.	2.6	151
63	Animal models of renal dysfunction: acute kidney injury. Expert Opinion on Drug Discovery, 2009, 4, 629-641.	2.5	31
64	Critical Assessment of Animal Models of Acute Renal Failure. , 2009, , 237-250.		3
65	Renal Parenchymal Hypoxia, Hypoxia Response and the Progression of Chronic Kidney Disease. American Journal of Nephrology, 2008, 28, 998-1006.	1.4	181
66	Acute Kidney Injury in the Diabetic Rat: Studies in the Isolated Perfused and Intact Kidney. American Journal of Nephrology, 2008, 28, 831-839.	1.4	26
67	Activation of hypoxia-inducible factors ameliorates hypoxic distal tubular injury in the isolated perfused rat kidney. Nephrology Dialysis Transplantation, 2008, 23, 3472-3478.	0.4	78
68	Renal Parenchymal Hypoxia, Hypoxia Adaptation, and the Pathogenesis of Radiocontrast Nephropathy. Clinical Journal of the American Society of Nephrology: CJASN, 2008, 3, 288-296.	2.2	194
69	Evidence for sustained renal hypoxia and transient hypoxia adaptation in experimental rhabdomyolysis-induced acute kidney injury. Nephrology Dialysis Transplantation, 2007, 23, 1135-1143.	0.4	41
70	Immunohistochemical Detection of Hypoxia-Inducible Factor-1Î± in Human Renal Allograft Biopsies. Journal of the American Society of Nephrology: JASN, 2007, 18, 343-351.	3.0	82
71	A Role for Erythropoietin in the Attenuation of Radiocontrast-Induced Acute Renal Failure in Rats. Renal Failure, 2006, 28, 345-350.	0.8	31
72	RENAL PARENCHYMAL OXYGENATION AND HYPOXIA ADAPTATION IN ACUTE KIDNEY INJURY. Clinical and Experimental Pharmacology and Physiology, 2006, 33, 980-988.	0.9	105

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73	ApoSense: a novel technology for functional molecular imaging of cell death in models of acute renal tubular necrosis. European Journal of Nuclear Medicine and Molecular Imaging, 2006, 33, 281-291.	3.3	84
74	Acute-on-Chronic Renal Failure in the Rat: Functional Compensation and Hypoxia Tolerance. American Journal of Nephrology, 2006, 26, 22-33.	1.4	65
75	Up-regulation of HIF in experimental acute renal failure: Evidence for a protective transcriptional response to hypoxia. Kidney International, 2005, 67, 531-542.	2.6	152
76	Regional alterations in renal haemodynamics and oxygenation: a role in contrast medium-induced nephropathy. Nephrology Dialysis Transplantation, 2005, 20, i6-i11.	0.4	108
77	Current Understanding of HIF in Renal Disease. Kidney and Blood Pressure Research, 2005, 28, 325-340.	0.9	33
78	Effect of Nicotine on the Renal Microcirculation in Anesthetized Rats: A Potential for Medullary Hypoxic Injury?. American Journal of Nephrology, 2005, 25, 226-232.	1.4	11
79	Erythropoietin: A potential remedy for renal tubular injury?. Kidney International, 2004, 65, 737-738.	2.6	3
80	The fibrinolytic system attenuates vascular tone: effects of tissue plasminogen activator (tPA) and aminocaproic acid on renal microcirculation. British Journal of Pharmacology, 2004, 141, 971-978.	2.7	16
81	In vitro and in vivo effects of tPA and PAI-1 on blood vessel tone. Blood, 2004, 103, 897-902.	0.6	106
82	N-acetylcysteine ameliorates renal microcirculation: Studies in rats. Kidney International, 2003, 63, 634-641.	2.6	76
83	Dye-induced nephropathy. Seminars in Nephrology, 2003, 23, 477-485.	0.6	18
84	Effect of Poly(ADP-Ribose) Polymerase Inhibition on Outer Medullary Hypoxic Damage. Nephron Physiology, 2003, 95, p1-p9.	1.5	10
85	Animal models of acute tubular necrosis. Current Opinion in Critical Care, 2002, 8, 526-534.	1.6	115
86	Proximal Tubular Injury Attenuates Outer Medullary Hypoxic Damage: Studies in Perfused Rat Kidneys. Nephron Experimental Nephrology, 2002, 10, 259-266.	2.4	19
87	Autoimmune cholangiopathy associated with systemic lupus erythematosus. Liver, 2002, 22, 102-106.	0.1	17
88	Transient urethral obstruction predisposes to ascending pyelonephritis and tubulo-interstitial disease: studies in rats. Urological Research, 2001, 29, 67-73.	1.5	7
89	Compensated heart failure predisposes to outer medullary tubular injury: Studies in rats. Kidney International, 2001, 60, 607-613.	2.6	30
90	Renal Effects of Nabumetone, a COX-2 Antagonist: Impairment of Function in Isolated Perfused Rat Kidneys Contrasts with Preserved Renal Function in vivo. Nephron Experimental Nephrology, 2001, 9, 387-396.	2.4	9

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91	Endotoxin-Induced Renal Failure. Nephron Experimental Nephrology, 2000, 8, 266-274.	2.4	46
92	Endotoxin-Induced Renal Failure. Nephron Experimental Nephrology, 2000, 8, 275-282.	2.4	32
93	Tissue Oxygenation Modifies Nitric Oxide Bioavailability. Microcirculation, 1999, 6, 199-203.	1.0	30
94	Airborne Field Hospital in Disaster Area: Lessons from Armenia (1988) and Rwanda (1994). Prehospital and Disaster Medicine, 1998, 13, 14-21.	0.7	54
95	Effect of Radiocontrast Agents on Intrarenal Nitric Oxide (NO) and NO Synthase Activity. Nephron Experimental Nephrology, 1998, 6, 557-562.	2.4	34
96	The Renal Medulla: Life at the Edge of Anoxia. Blood Purification, 1997, 15, 232-242.	0.9	37
97	Renal microcirculation and tissue damage during acute ureteral obstruction in the rat: Effect of saline infusion, indomethacin and radiocontrast. Kidney International, 1997, 51, 653-663.	2.6	62
98	Loop diuretics reduce hypoxic damage to proximal tubules of the isolated perfused rat kidney. Kidney International, 1994, 45, 981-985.	2.6	88
99	Glycine reduces early renal parenchymal uptake of cisplatin. Kidney International, 1993, 43, 1226-1228.	2.6	15
100	Effect of Glycine and Hypertrophy on Renal Outer Medullary Hypoxic Injury in Ischemia Reflow and Contrast Nephropathy. American Journal of Kidney Diseases, 1992, 19, 578-586.	2.1	54
101	Cyclosporine Nephropathy: Morphometric Analysis of the Medullary Thick Ascending Limb. American Journal of Kidney Diseases, 1992, 20, 162-167.	2.1	14
102	Potential Deleterious Effect of Furosemide in Radiocontrast Nephropathy. Nephron, 1992, 62, 413-415.	0.9	163
103	Early renal medullary hypoxic injury from radiocontrast and indomethacin. Kidney International, 1991, 40, 632-642.	2.6	266
104	Protective Role of Furosemide and Saline in Radiocontrast-Induced Acute Renal Failure in the Rat. American Journal of Kidney Diseases, 1989, 14, 377-385.	2.1	86