Dylan Burger

List of Publications by Year in Descending Order

91 papers	7,660 citations	32 h-index	87 g-index
110 ext. papers	10,321 ext. citations	6.6 avg, IF	5.4 L-index

#	Paper	IF	Citations
91	Phosphate and Endothelial Function: How Sensing of Elevated Inorganic Phosphate Concentration Generates Signals in Endothelial Cells.. *Advances in Experimental Medicine and Biology*, **2022**, 1362, 85-98	3.4	
90	Extracellular vesicles in gestational diabetes mellitus: A scoping review.. *Diabetes and Vascular Disease Research*, **2022**, 19, 14791641221093901	3.2	1
89	Comparative analysis of hypertensive nephrosclerosis in animal models of hypertension and its relevance to human pathology. Glomerulopathy.. *PLoS ONE*, **2022**, 17, e0264136	3.6	2
88	A letter to the editor about "dopamine 1 receptor activation protects mouse diabetic podocytes injury via regulating the PKA/NOX-5/p38 MAPK axis".. *Experimental Cell Research*, **2022**, 415, 113065	4	
87	Urinary interleukin-9 in youth with type 1 diabetes mellitus.. *Acta Diabetologica*, **2022**, 1	3.8	0
86	Urinary Extracellular Vesicles in Urology: Current Successes and Challenges Ahead. *European Urology*, **2021**, 81, 127-127	9.9	
85	A standarized protocol for evaluation of large extracellular vesicles using the attune NXT system. *Journal of Immunological Methods*, **2021**, 499, 113170	2.4	0
84	Can placental growth factors explain birthweight variation in offspring of women with type 1 diabetes?. *Diabetologia*, **2021**, 64, 1527-1537	10	1
83	Urinary extracellular vesicles: A position paper by the Urine Task Force of the International Society for Extracellular Vesicles. *Journal of Extracellular Vesicles*, **2021**, 10, e12093	16	38
82	Accumulation of Seminolipid in Sertoli Cells Is Associated with Increased Levels of Reactive Oxygen Species and Male Subfertility: Studies in Aging Null Male Mice. *Antioxidants*, **2021**, 10,	6.8	2
81	Circulating small extracellular vesicles increase after an acute bout of moderate-intensity exercise in pregnant compared to non-pregnant women. *Scientific Reports*, **2021**, 11, 12615	4.7	2
80	Role of Microparticles in Cardiovascular Disease: Implications for Endothelial Dysfunction, Thrombosis, and Inflammation. *Hypertension*, **2021**, 77, 1825-1844	8	7
79	Urinary podocyte-derived microparticles in youth with type 1 and type 2 diabetes. *Diabetologia*, **2021**, 64, 469-475	10	5
78	Preclinical Studies of MSC-Derived Extracellular Vesicles to Treat or Prevent Graft Versus Host Disease: a Systematic Review of the Literature. *Stem Cell Reviews and Reports*, **2021**, 17, 332-340	7.1	4
77	Changes in Cardiovascular Biomarkers Associated With the Sodium-Glucose Cotransporter 2 (SGLT2) Inhibitor Ertugliflozin in Patients With Chronic Kidney Disease and Type 2 Diabetes. *Diabetes Care*, **2021**, 44, e45-e47	14.1	11
76	MicroRNA in Human Acute Kidney Injury: A Systematic Review Protocol. *Canadian Journal of Kidney Health and Disease*, **2021**, 8, 20543581211009999	2.2	0
75	Prospective meta-analysis protocol on randomised trials of renin-angiotensin system inhibitors in patients with COVID-19: an initiative of the International Society of Hypertension. *BMJ Open*, **2021**, 11, e043625	2.9	2

74	Diastolic hypertension is associated with proteinuria in pediatric patients. *Health Science Reports*, **2021**, 4, e346	2.1	0
73	Markers of Kidney Injury, Inflammation, and Fibrosis Associated With Ertugliflozin in Patients With CKD and Diabetes. *Kidney International Reports*, **2021**, 6, 2095-2104	0.9	3
72	Circulating extracellular vesicles during pregnancy in women with type 1 diabetes: a secondary analysis of the CONCEPTT trial. *Biomarker Research*, **2021**, 9, 67	7.8	2
71	May Measurement Month 2019: The Global Blood Pressure Screening Campaign of the International Society of Hypertension. *Hypertension*, **2020**, 76, 333-341	8	99
70	Intact Viral Particle Counts Measured by Flow Virometry Provide Insight into the Infectivity and Genome Packaging Efficiency of Moloney Murine Leukemia Virus. *Journal of Virology*, **2020**, 94,	6.3	9
69	Plasma Gelsolin Inhibits CD8 T-cell Function and Regulates Glutathione Production to Confer Chemoresistance in Ovarian Cancer. *Cancer Research*, **2020**, 80, 3959-3971	9.6	7
68	Highlights from the International Society of Hypertension's New Investigators Network during 2019. *Journal of Hypertension*, **2020**, 38, 968-973	1.5	0
67	Extracellular Vesicles: Cell-Derived Biomarkers of Glomerular and Tubular Injury. *Cellular Physiology and Biochemistry*, **2020**, 54, 88-109	3.7	10
66	The exosome-mediated autocrine and paracrine actions of plasma gelsolin in ovarian cancer chemoresistance. *Oncogene*, **2020**, 39, 1600-1616	8.9	36
65	May Measurement Month 2018: results of blood pressure screening from 41 countries. *European Heart Journal Supplements*, **2020**, 22, H1-H4	1.4	4
64	An Analysis of Mesenchymal Stem Cell-Derived Extracellular Vesicles for Preclinical Use. *ACS Nano*, **2020**, 14, 9728-9743	16.4	31
63	Vascular contributions to 16p11.2 deletion autism syndrome modeled in mice. *Nature Neuroscience*, **2020**, 23, 1090-1101	24.9	25
62	Prostaglandin E2 receptor EP1 (PGE2/EP1) deletion promotes glomerular podocyte and endothelial cell injury in hypertensive TTRhRen mice. *Laboratory Investigation*, **2020**, 100, 414-425	5.7	4
61	Mesenchymal stromal cell-derived extracellular vesicles for regenerative therapy and immune modulation: Progress and challenges toward clinical application. *Stem Cells Translational Medicine*, **2020**, 9, 39-46	6.6	41
60	Effect of hemodialysis on extracellular vesicles and circulating submicron particles. *BMC Nephrology* , **2019**, 20, 294	2.6	11
59	Microparticles and Exosomes in Cell-Cell Communication **2019**, 159-168		1
58	PBI-4050 via GPR40 activation improves adenine-induced kidney injury in mice. *Clinical Science*, **2019**, 133, 1587-1602	6.3	3
57	183-OR: Placental Growth Factor and Fetal Growth in Women with Type 1 Diabetes Mellitus. *Diabetes*, **2019**, 68, 183-OR	0.7	

56	Methods and efficacy of extracellular vesicles derived from mesenchymal stromal cells in animal models of disease: a preclinical systematic review protocol. *Systematic Reviews*, **2019**, 8, 322	2.9	10
55	Thyroid-Stimulating Hormone-Stimulated Human Adipocytes Express Thymic Stromal Lymphopoietin. *Hormone and Metabolic Research*, **2018**, 50, 325-330	3	2
54	Podocyte-derived microparticles promote proximal tubule fibrotic signaling via p38 MAPK and CD36. *Journal of Extracellular Vesicles*, **2018**, 7, 1432206	16	45
53	A11518 Hemodialysis reduces levels of circulating microparticles in individuals with hypertension. *Journal of Hypertension*, **2018**, 36, e202-e203	1.5	
52	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. *Journal of Extracellular Vesicles*, **2018**, 7, 1535750	16	3642
51	Receptor-Ligand Interaction Mediates Targeting of Endothelial Colony Forming Cell-derived Exosomes to the Kidney after Ischemic Injury. *Scientific Reports*, **2018**, 8, 16320	4.7	40
50	May Measurement Month 2017: an analysis of blood pressure screening results worldwide. *The Lancet Global Health*, **2018**, 6, e736-e743	12	166
49	Isolation and Characterization of Circulating Microparticles by Flow Cytometry. *Methods in Molecular Biology*, **2017**, 1527, 271-281	1.4	8
48	High glucose increases the formation and pro-oxidative activity of endothelial microparticles. *Diabetologia*, **2017**, 60, 1791-1800	10	56
47	Assessment of urinary microparticles in normotensive patients with type 1 diabetes. *Diabetologia*, **2017**, 60, 581-584	10	50
46	Survival Motor Neuron Protein is Released from Cells in Exosomes: A Potential Biomarker for Spinal Muscular Atrophy. *Scientific Reports*, **2017**, 7, 13859	4.7	10
45	Microparticle Formation in Peritoneal Dialysis: A Proof of Concept Study. *Canadian Journal of Kidney Health and Disease*, **2017**, 4, 2054358117699829	2.2	8
44	Single-Particle Discrimination of Retroviruses from Extracellular Vesicles by Nanoscale Flow Cytometry. *Scientific Reports*, **2017**, 7, 17769	4.7	22
43	Transfer of microRNA-486-5p from human endothelial colony forming cell-derived exosomes reduces ischemic kidney injury. *Kidney International*, **2016**, 90, 1238-1250	9.6	125
42	Endothelial Microparticle-Derived Reactive Oxygen Species: Role in Endothelial Signaling and Vascular Function. *Oxidative Medicine and Cellular Longevity*, **2016**, 2016, 5047954	6.5	43
41	Protein Kinase C-Mediates Shedding of Angiotensin-Converting Enzyme 2 from Proximal Tubular Cells. *Frontiers in Pharmacology*, **2016**, 7, 146	5.4	9
40	OS 02-03 EFFECT OF HIGH GLUCOSE EXPOSURE ON ENDOTHELIAL MICROPARTICLE FORMATION AND COMPOSITION. *Journal of Hypertension*, **2016**, 34, e48	1.5	2
39	A call to action and a lifecourse strategy to address the global burden of raised blood pressure on current and future generations: the Lancet Commission on hypertension. *Lancet, The*, **2016**, 388, 2665-2712	362	413

38	Human endothelial colony-forming cells protect against acute kidney injury: role of exosomes. *American Journal of Pathology*, **2015**, 185, 2309-23	5.6	142
37	Re: Microparticles: markers and mediators of sepsis-induced microvascular dysfunction, immunosuppression, and AKI. *Kidney International*, **2015**, 88, 915	9.6	1
36	Prostaglandin E2 increases proximal tubule fluid reabsorption, and modulates cultured proximal tubule cell responses via EP1 and EP4 receptors. *Laboratory Investigation*, **2015**, 95, 1044-55	5.7	14
35	Acute kidney injury: preclinical innovations, challenges, and opportunities for translation. *Canadian Journal of Kidney Health and Disease*, **2015**, 2, 30	2.2	20
34	Thyroid-stimulating hormone acutely increases levels of circulating pro-coagulant microparticles. *Clinical Endocrinology*, **2015**, 83, 285-7	3.3	5
33	Microparticles generated during chronic cerebral ischemia deliver proapoptotic signals to cultured endothelial cells. *Biochemical and Biophysical Research Communications*, **2014**, 450, 912-7	3.3	20
32	Urinary podocyte microparticles identify prealbuminuric diabetic glomerular injury. *Journal of the American Society of Nephrology: JASN*, **2014**, 25, 1401-7	12.3	82
31	A novel mouse model of advanced diabetic kidney disease. *PLoS ONE*, **2014**, 9, e113459	3.6	23
30	Effects of a domain-selective ACE inhibitor in a mouse model of chronic angiotensin II-dependent hypertension. *Clinical Science*, **2014**, 127, 57-63	6.3	18
29	Microparticles: biomarkers and beyond. *Clinical Science*, **2013**, 124, 423-41	6.3	249
28	Angiotensin II, NADPH oxidase, and redox signaling in the vasculature. *Antioxidants and Redox Signaling*, **2013**, 19, 1110-20	8	287
27	Shedding light on mechanisms of hyperphosphatemic vascular dysfunction. *Kidney International*, **2013**, 83, 187-9	9.6	12
26	Renoprotective effects of a novel Nox1/4 inhibitor in a mouse model of Type 2 diabetes. *Clinical Science*, **2013**, 124, 191-202	6.3	126
25	Cellular biomarkers of endothelial health: microparticles, endothelial progenitor cells, and circulating endothelial cells. *Journal of the American Society of Hypertension*, **2012**, 6, 85-99		144
24	Adipocytes produce aldosterone through calcineurin-dependent signaling pathways: implications in diabetes mellitus-associated obesity and vascular dysfunction. *Hypertension*, **2012**, 59, 1069-78	8	232
23	Biomarkers in Hypertension **2012**, 237-246		1
22	Human cord blood CD133+ cells exacerbate ischemic acute kidney injury in mice. *Nephrology Dialysis Transplantation*, **2012**, 27, 3781-9	4.1	15
21	Microparticles induce cell cycle arrest through redox-sensitive processes in endothelial cells: implications in vascular senescence. *Journal of the American Heart Association*, **2012**, 1, e001842	5.7	70

20	ISH Hypertension Future Leaders Group: a network for new investigators run by new investigators. *Journal of Hypertension*, **2011**, 29, 1664-5	1.5	0
19	Novel Nox homologues in the vasculature: focusing on Nox4 and Nox5. *Clinical Science*, **2011**, 120, 131-41	6.3	84
18	NOX isoforms and reactive oxygen species in vascular health. *Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics*, **2011**, 11, 27-35		87
17	Endothelial microparticle formation by angiotensin II is mediated via Ang II receptor type I/NADPH oxidase/ Rho kinase pathways targeted to lipid rafts. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 1898-907	9.1	166
16	Angiotensin II and the vascular phenotype in hypertension. *Expert Reviews in Molecular Medicine*, **2011**, 13, e11	6.5	118
15	Protective Role of Nitric Oxide Against Cardiac Arrhythmia - An Update. *The Open Nitric Oxide Journal*, **2011**, 3, 38-47		2
14	Nicotinamide adenine dinucleotide phosphate reduced oxidase 5 (Nox5) regulation by angiotensin II and endothelin-1 is mediated via calcium/calmodulin-dependent, rac-1-independent pathways in human endothelial cells. *Circulation Research*, **2010**, 106, 1363-73	15.3	145
13	Vascular smooth muscle cell differentiation to an osteogenic phenotype involves TRPM7 modulation by magnesium. *Hypertension*, **2010**, 56, 453-62	8	164
12	Molecular basis of cardioprotection by erythropoietin. *Current Molecular Pharmacology*, **2009**, 2, 56-69	3.5	48
11	Neuronal nitric oxide synthase protects against myocardial infarction-induced ventricular arrhythmia and mortality in mice. *Circulation*, **2009**, 120, 1345-54	16.3	96
10	Tissue inhibitor of metalloproteinase-3 inhibits neonatal mouse cardiomyocyte proliferation via EGFR/JNK/SP-1 signaling. *American Journal of Physiology - Cell Physiology*, **2009**, 296, C735-45	5.2	32
9	Role of heme oxygenase-1 in the cardioprotective effects of erythropoietin during myocardial ischemia and reperfusion. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 296, H84-93	5	37
8	Erythropoietin protects the heart from ventricular arrhythmia during ischemia and reperfusion via neuronal nitric-oxide synthase. *Journal of Pharmacology and Experimental Therapeutics*, **2009**, 329, 900-7	4.5	27
7	Microvascular oxygen transport in obese ZDF rats: an early model of type II diabetes. *FASEB Journal* , **2008**, 22, 1141.3	0.9	
6	Role of neuronal nitric oxide synthase in lipopolysaccharide-induced tumor necrosis factor-alpha expression in neonatal mouse cardiomyocytes. *Cardiovascular Research*, **2007**, 75, 408-16	9.6	21
5	Erythropoietin protects cardiomyocytes from apoptosis via up-regulation of endothelial nitric oxide synthase. *Cardiovascular Research*, **2006**, 72, 51-9	9.6	122
4	Lack of endothelial nitric oxide synthase decreases cardiomyocyte proliferation and delays cardiac maturation. *American Journal of Physiology - Cell Physiology*, **2006**, 291, C1240-6	5.2	29
3	GSK-3b inactivation in preventing the myocardium from I/R-induced injury: Role of eNOS-derived NO. *FASEB Journal*, **2006**, 20, A317	0.9	

2	Erythropoietin Inhibits Anoxia/Reoxygenation-Induced Cardiomyocyte Apoptosis via Heme Oxygenase-1. *FASEB Journal*, **2006**, 20, A1462	0.9
1	Engineered Retroviruses as Fluorescent Biological Reference Particles for Small Particle Flow Cytometry	6