Dylan Burger

List of Publications by Year
in descending order

109	13,156	123108	30914
papers	citations	31 h-index	97 g-index

121	121	121	20466
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	12.2	7,596
2	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.	11.9	705
3	Angiotensin II, NADPH Oxidase, and Redox Signaling in the Vasculature. Antioxidants and Redox Signaling, 2013, 19, 1110-1120.	5.4	362
4	Adipocytes Produce Aldosterone Through Calcineurin-Dependent Signaling Pathways. Hypertension, 2012, 59, 1069-1078.	4.9	304
5	Microparticles: biomarkers and beyond. Clinical Science, 2013, 124, 423-441.	4.2	304
6	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.	12.2	217
7	Vascular Smooth Muscle Cell Differentiation to an Osteogenic Phenotype Involves TRPM7 Modulation by Magnesium. Hypertension, 2010, 56, 453-462.	4.9	195
8	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, 1898-1907.	3.9	193
9	Human Endothelial Colony-Forming Cells Protect against Acute Kidney Injury. American Journal of Pathology, 2015, 185, 2309-2323.	4.0	193
10	Transfer of microRNA-486-5p from human endothelial colony forming cellâ€“derived exosomes reduces ischemic kidney injury. Kidney International, 2016, 90, 1238-1250.	5.3	187
11	Cellular biomarkers of endothelial health: microparticles, endothelial progenitor cells, and circulating endothelial cells. Journal of the American Society of Hypertension, 2012, 6, 85-99.	2.4	178
12	May Measurement Month 2019. Hypertension, 2020, 76, 333-341.	4.9	176
13	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, 1363-1373.	6.5	172
14	Angiotensin II and the vascular phenotype in hypertension. Expert Reviews in Molecular Medicine, 2011, 13, e11.	3.9	158
15	Renoprotective effects of a novel Nox1/4 inhibitor in a mouse model of TypeÂ2 diabetes. Clinical Science, 2013, 124, 191-202.	4.2	143
16	Erythropoietin protects cardiomyocytes from apoptosis via up-regulation of endothelial nitric oxide synthase. Cardiovascular Research, 2006, 72, 51-59.	3.6	139
17	Urinary Podocyte Microparticles Identify Prealbuminuric Diabetic Glomerular Injury. Journal of the American Society of Nephrology: JASN, 2014, 25, 1401-1407.	0.5	118
18	NOX Isoforms and Reactive Oxygen Species in Vascular Health. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2011, 11, 27-35.	3.2	105

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19	Novel Nox homologues in the vasculature: focusing on Nox4 and Nox5. Clinical Science, 2011, 120, 131-141.	4.2	100
20	The exosome-mediated autocrine and paracrine actions of plasma gelsolin in ovarian cancer chemoresistance. Oncogene, 2020, 39, 1600-1616.	5.8	93
21	Microparticles Induce Cell Cycle Arrest Through Redoxâ€Sensitive Processes in Endothelial Cells: Implications in Vascular Senescence. Journal of the American Heart Association, 2012, 1, e001842.	3.8	88
22	An Analysis of Mesenchymal Stem Cell-Derived Extracellular Vesicles for Preclinical Use. ACS Nano, 2020, 14, 9728-9743.	14.9	86
23	High glucose increases the formation and pro-oxidative activity of endothelial microparticles. Diabetologia, 2017, 60, 1791-1800.	6.4	85
24	Vascular contributions to 16p11.2 deletion autism syndrome modeled in mice. Nature Neuroscience, 2020, 23, 1090-1101.	14.3	79
25	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.	3.4	77
26	Receptor-Ligand Interaction Mediates Targeting of Endothelial Colony Forming Cell-derived Exosomes to the Kidney after Ischemic Injury. Scientific Reports, 2018, 8, 16320.	3.4	73
27	Assessment of urinary microparticles in normotensive patients with type 1 diabetes. Diabetologia, 2017, 60, 581-584.	6.4	69
28	Podocyteâ€derived microparticles promote proximal tubule fibrotic signaling via p38ÂMAPK and CD36. Journal of Extracellular Vesicles, 2018, 7, 1432206.	12.2	67
29	Endothelial Microparticle-Derived Reactive Oxygen Species: Role in Endothelial Signaling and Vascular Function. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	4.1	55
30	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-H93.	3.3	41
31	Addressing global disparities in blood pressure control: perspectives of the International Society of Hypertension. Cardiovascular Research, 2023, 119, 381-409.	3.6	41
32	A Novel Mouse Model of Advanced Diabetic Kidney Disease. PLoS ONE, 2014, 9, e113459.	2.5	32
33	Single-Particle Discrimination of Retroviruses from Extracellular Vesicles by Nanoscale Flow Cytometry. Scientific Reports, 2017, 7, 17769.	3.4	32
34	Plasma Gelsolin Inhibits CD8+ T-cell Function and Regulates Glutathione Production to Confer Chemoresistance in Ovarian Cancer. Cancer Research, 2020, 80, 3959-3971.	0.9	32
35	Role of Microparticles in Cardiovascular Disease: Implications for Endothelial Dysfunction, Thrombosis, and Inflammation. Hypertension, 2021, 77, 1825-1844.	4.9	32
36	Lack of endothelial nitric oxide synthase decreases cardiomyocyte proliferation and delays cardiac maturation. American Journal of Physiology - Cell Physiology, 2006, 291, C1240-C1246.	4.5	31

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37	Effects of a domain-selective ACE inhibitor in a mouse model of chronic angiotensin II-dependent hypertension. Clinical Science, 2014, 127, 57-63.	4.2	28
38	Extracellular Vesicles: Cell-Derived Biomarkers of Glomerular and Tubular Injury. Cellular Physiology and Biochemistry, 2020, 54, 88-109.	1.4	27
39	Changes in Cardiovascular Biomarkers Associated With the Sodiumâ€“Glucose Cotransporter 2 (SGLT2) Inhibitor Ertugliflozin in Patients With Chronic Kidney Disease and Type 2 Diabetes. Diabetes Care, 2021, 44, e45-e47.	9.0	26
40	Markers of Kidney Injury, Inflammation, and Fibrosis Associated With Ertugliflozin in Patients With CKD and Diabetes. Kidney International Reports, 2021, 6, 2095-2104.	0.8	26
41	Role of neuronal nitric oxide synthase in lipopolysaccharide-induced tumor necrosis factor-alpha expression in neonatal mouse cardiomyocytes. Cardiovascular Research, 2007, 75, 408-416.	3.6	24
42	Acute Kidney Injury: Preclinical Innovations, Challenges, and Opportunities for Translation. Canadian Journal of Kidney Health and Disease, 2015, 2, 62.	1.2	24
43	Microparticles generated during chronic cerebral ischemia deliver proapoptotic signals to cultured endothelial cells. Biochemical and Biophysical Research Communications, 2014, 450, 912-917.	2.2	21
44	Effect of hemodialysis on extracellular vesicles and circulating submicron particles. BMC Nephrology, 2019, 20, 294.	1.8	21
45	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.	3.9	19
46	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, .	3.4	18
47	Pulmonary and Neurologic Effects of Mesenchymal Stromal Cell Extracellular Vesicles in a Multifactorial Lung Injury Model. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 1186-1201.	6.3	18
48	Registered clinical trials investigating treatment with cell-derived extracellular vesicles: a scoping review. Cytotherapy, 2023, 25, 939-945.	0.7	18
49	Human cord blood CD133+ cells exacerbate ischemic acute kidney injury in mice. Nephrology Dialysis Transplantation, 2012, 27, 3781-3789.	0.7	17
50	â€˜Sheddingâ€™ light on mechanisms of hyperphosphatemic vascular dysfunction. Kidney International, 2013, 83, 187-189.	5.3	15
51	Prostaglandin E2 increases proximal tubule fluid reabsorption, and modulates cultured proximal tubule cell responses via EP1 and EP4 receptors. Laboratory Investigation, 2015, 95, 1044-1055.	3.9	15
52	Plasma Gelsolin Confers Chemoresistance in Ovarian Cancer by Resetting the Relative Abundance and Function of Macrophage Subtypes. Cancers, 2022, 14, 1039.	3.8	15
53	Protein Kinase C-Î´ Mediates Shedding of Angiotensin-Converting Enzyme 2 from Proximal Tubular Cells. Frontiers in Pharmacology, 2016, 7, 146.	3.6	14
54	Survival Motor Neuron Protein is Released from Cells in Exosomes: A Potential Biomarker for Spinal Muscular Atrophy. Scientific Reports, 2017, 7, 13859.	3.4	14

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55	Urinary podocyte-derived microparticles in youth with type 1 and type 2 diabetes. Diabetologia, 2021, 64, 469-475.	6.4	13
56	Prostaglandin E2 receptor EP1 (PGE2/EP1) deletion promotes glomerular podocyte and endothelial cell injury in hypertensive TTRhRen mice. Laboratory Investigation, 2020, 100, 414-425.	3.9	11
57	Isolation and Characterization of Circulating Microparticles by Flow Cytometry. Methods in Molecular Biology, 2017, 1527, 271-281.	0.7	10
58	PBI-4050 via GPR40 activation improves adenine-induced kidney injury in mice. Clinical Science, 2019, 133, 1587-1602.	4.2	10
59	Microparticle Formation in Peritoneal Dialysis. Canadian Journal of Kidney Health and Disease, 2017, 4, 205435811769982.	1.2	9
60	Accumulation of Seminolipid in Sertoli Cells Is Associated with Increased Levels of Reactive Oxygen Species and Male Subfertility: Studies in Aging Arsa Null Male Mice. Antioxidants, 2021, 10, 912.	5.1	8
61	Circulating plateletâ€derived extracellular vesicles correlate with nightâ€time blood pressure and vascular organ damage and may represent an integrative biomarker of vascular health. Journal of Clinical Hypertension, 2022, 24, 738-749.	2.2	8
62	Thyroidâ€stimulating hormone acutely increases levels of circulating proâ€coagulant microparticles. Clinical Endocrinology, 2015, 83, 285-287.	2.5	7
63	Can placental growth factors explain birthweight variation in offspring of women with type 1 diabetes?. Diabetologia, 2021, 64, 1527-1537.	6.4	7
64	Extracellular Vesicles as Novel Players in Kidney Disease. Journal of the American Society of Nephrology: JASN, 2022, 33, 467-471.	0.5	7
65	Extracellular vesicles in gestational diabetes mellitus: A scoping review. Diabetes and Vascular Disease Research, 2022, 19, 147916412210939.	1.9	7
66	Comparative analysis of hypertensive nephrosclerosis in animal models of hypertension and its relevance to human pathology. Glomerulopathy. PLoS ONE, 2022, 17, e0264136.	2.5	7
67	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.	3.4	6
68	A standarized protocol for evaluation of large extracellular vesicles using the attuneâ„¢ NXT system. Journal of Immunological Methods, 2021, 499, 113170.	1.4	6
69	Urinary interleukin-9 in youth with type 1 diabetes mellitus. Acta Diabetologica, 2022, 59, 939-947.	2.5	6
70	Can Peer Review Be Kinder? Supportive Peer Review: A Re-Commitment to Kindness and a Call to Action. Canadian Journal of Kidney Health and Disease, 2022, 9, 205435812210803.	1.2	6
71	Reduction of DUSP4 contributes to podocytes oxidative stress, insulin resistance and diabetic nephropathy. Biochemical and Biophysical Research Communications, 2022, 624, 127-133.	2.2	6
72	May Measurement Month 2018: results of blood pressure screening from 41 countries. European Heart Journal Supplements, 2020, 22, H1-H4.	0.1	5

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73	The Proteome of Circulating Large Extracellular Vesicles in Diabetes and Hypertension. International Journal of Molecular Sciences, 2023, 24, 4930.	4.1	5
74	ISH Hypertension Future Leaders Group. Journal of Hypertension, 2011, 29, 1664-1665.	0.5	4
75	Thyroid-Stimulating Hormone-Stimulated Human Adipocytes Express Thymic Stromal Lymphopoietin. Hormone and Metabolic Research, 2018, 50, 325-330.	1.5	4
76	Circulating extracellular vesicles during pregnancy in women with type 1 diabetes: a secondary analysis of the CONCEPTT trial. Biomarker Research, 2021, 9, 67.	6.8	4
77	Association of Circulating Platelet Extracellular Vesicles and Pulse Wave Velocity with Cardiovascular Risk Estimation. International Journal of Molecular Sciences, 2022, 23, 10524.	4.1	4
78	New insights into molecular mechanisms of hypertension. Current Opinion in Nephrology and Hypertension, 2010, 19, 160-162.	2.0	3
79	Extracellular Vesicles as an Index for Endothelial Injury and Cardiac Dysfunction in a Rodent Model of GDM. International Journal of Molecular Sciences, 2022, 23, 4970.	4.1	3
80	Exploring Urinary Extracellular Vesicles and Immune Mediators as Biomarkers of Kidney Injury in COVID-19 Hospitalized Patients. Diagnostics, 2022, 12, 2600.	2.7	3
81	Direct mapping of kidney function by DCE-MRI urography using a tetrazinanone organic radical contrast agent. Nature Communications, 2023, 14, .	12.8	3
82	Biomarkers in Hypertension. , 2012, , 237-246.		2
83	Council for High Blood Pressure Research/InterAmerican Society of Hypertension/International Society of Hypertension: First New Investigators Symposium at the High Blood Pressure Research 2011 Scientific Sessions. Hypertension, 2012, 59, 382-383.	4.9	2
84	OS 02-03 EFFECT OF HIGH GLUCOSE EXPOSURE ON ENDOTHELIAL MICROPARTICLE FORMATION AND COMPOSITION. Journal of Hypertension, 2016, 34, e48.	0.5	2
85	Urinary podocyte-derived large extracellular vesicles are increased in paediatric idiopathic nephrotic syndrome. Nephrology Dialysis Transplantation, 2023, 38, 2089-2091.	0.7	2
86	Annexin A5 Inhibits Endothelial Inflammation Induced by Lipopolysaccharide-Activated Platelets and Microvesicles via Phosphatidylserine Binding. Pharmaceuticals, 2023, 16, 837.	3.8	2
87	Report of the first International Society of Hypertension (ISH) Trainee/New Investigator Symposium. Journal of Hypertension, 2012, 30, 631-632.	0.5	1
88	Leading the change. Journal of Hypertension, 2013, 31, 429-430.	0.5	1
89	Report of the 3rd Annual International Society Of Hypertension New Investigator Symposium. Journal of Hypertension, 2014, 32, 448-449.	0.5	1
90	Across the globe in 4 months. Journal of Hypertension, 2015, 33, 891-893.	0.5	1

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91	Re: Microparticles: markers and mediators of sepsis-induced microvascular dysfunction, immunosuppression, and AKI. Kidney International, 2015, 88, 915.	5.3	1
92	Microparticles and Exosomes in Cell-Cell Communication. , 2019, , 159-168.		1
93	Hypertension and vascular alterations in lupus autoimmunity. Journal of Hypertension, 2020, 38, 1257-1258.	0.5	1
94	MicroRNA in Human Acute Kidney Injury: A Systematic Review Protocol. Canadian Journal of Kidney Health and Disease, 2021, 8, 205435812110099.	1.2	1
95	Diastolic hypertension is associated with proteinuria in pediatric patients. Health Science Reports, 2021, 4, e346.	1.5	1
96	Relapse in steroid-sensitive nephrotic syndrome: are extracellular vesicles the missing link?. American Journal of Physiology - Renal Physiology, 2021, 321, F656-F658.	2.8	1
97	Highlights from the International Society of Hypertension's New Investigators Network during 2019. Journal of Hypertension, 2020, 38, 968-973.	0.5	1
98	The Application of an Extracellular Vesicle-Based Biosensor in Early Diagnosis and Prediction of Chemoresponsiveness in Ovarian Cancer. Cancers, 2023, 15, 2566.	3.8	1
99	Effect of High Glucose Exposure on Endothelial Microparticle Formation and CompositionImage 4. Canadian Journal of Diabetes, 2016, 40, S9-S10.	0.8	0
100	A11518 Hemodialysis reduces levels of circulating microparticles in individuals with hypertension. Journal of Hypertension, 2018, 36, e202-e203.	0.5	0
101	Urinary Extracellular Vesicles in Urology: Current Successes and Challenges Ahead. European Urology, 2021, 81, 127-127.	4.9	0
102	GSKâ€3b inactivation in preventing the myocardium from I/Râ€induced injury: Role of eNOSâ€derived NO. FASEB Journal, 2006, 20, A317.	0.4	0
103	Erythropoietin Inhibits Anoxia/Reoxygenationâ€induced Cardiomyocyte Apoptosis via Heme Oxygenaseâ€1. FASEB Journal, 2006, 20, A1462.	0.4	0
104	Microvascular oxygen transport in obese ZDF rats: an early model of type II diabetes. FASEB Journal, 2008, 22, 1141.3.	0.4	0
105	A letter to the editor about â€œdopamine 1 receptor activation protects mouse diabetic podocytes injury via regulating the PKA/NOX-5/p38 MAPK axisâ€. Experimental Cell Research, 2022, 415, 113065.	2.6	0
106	The Influence of Exercise-Associated Small Extracellular Vesicles on Trophoblasts In Vitro. Biomedicines, 2023, 11, 857.	3.2	0
107	Unraveling the molecular landscape of kAE1: a narrative review. Canadian Journal of Physiology and Pharmacology, 2024, 102, 396-407.	1.5	0
108	miR-486-5p protects against rat ischemic kidney injury and prevents the transition to chronic kidney disease and vascular dysfunction. Clinical Science, 2024, 138, 599-614.	4.2	0

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109	Sex-Specific Associations of Aldosterone and Renin with Body Composition: A Population-Based Cohort Study. Journal of Clinical Endocrinology and Metabolism, 0, , .	3.5	0