

Dylan Burger

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

12,634
citations

117625

34
h-index

40979

93
g-index

110
all docs

110
docs citations

110
times ranked

19933
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. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1535750.	12.2	6,961
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. <i>Lancet</i> , The, 2016, 388, 2665-2712.	13.7	670
3	Angiotensin II, NADPH Oxidase, and Redox Signaling in the Vasculature. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 1110-1120.	5.4	350
4	Microparticles: biomarkers and beyond. <i>Clinical Science</i> , 2013, 124, 423-441.	4.3	299
5	Adipocytes Produce Aldosterone Through Calcineurin-Dependent Signaling Pathways. <i>Hypertension</i> , 2012, 59, 1069-1078.	2.7	292
6	May Measurement Month 2017: an analysis of blood pressure screening results worldwide. <i>The Lancet Global Health</i> , 2018, 6, e736-e743.	6.3	245
7	Vascular Smooth Muscle Cell Differentiation to an Osteogenic Phenotype Involves TRPM7 Modulation by Magnesium. <i>Hypertension</i> , 2010, 56, 453-462.	2.7	192
8	Endothelial Microparticle Formation by Angiotensin II Is Mediated via Ang II Receptor Type I/NADPH Oxidase/ Rho Kinase Pathways Targeted to Lipid Rafts. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1898-1907.	2.4	192
9	Human Endothelial Colony-Forming Cells Protect against Acute Kidney Injury. <i>American Journal of Pathology</i> , 2015, 185, 2309-2323.	3.8	186
10	Urinary extracellular vesicles: A position paper by the Urine Task Force of the International Society for Extracellular Vesicles. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12093.	12.2	182
11	Transfer of microRNA-486-5p from human endothelial colony forming cell-derived exosomes reduces ischemic kidney injury. <i>Kidney International</i> , 2016, 90, 1238-1250.	5.2	177
12	Cellular biomarkers of endothelial health: microparticles, endothelial progenitor cells, and circulating endothelial cells. <i>Journal of the American Society of Hypertension</i> , 2012, 6, 85-99.	2.3	175
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. <i>Circulation Research</i> , 2010, 106, 1363-1373.	4.5	167
14	May Measurement Month 2019. <i>Hypertension</i> , 2020, 76, 333-341.	2.7	157
15	Angiotensin II and the vascular phenotype in hypertension. <i>Expert Reviews in Molecular Medicine</i> , 2011, 13, e11.	3.9	152
16	Renoprotective effects of a novel Nox1/4 inhibitor in a mouse model of Type 2 diabetes. <i>Clinical Science</i> , 2013, 124, 191-202.	4.3	142
17	Erythropoietin protects cardiomyocytes from apoptosis via up-regulation of endothelial nitric oxide synthase. <i>Cardiovascular Research</i> , 2006, 72, 51-59.	3.8	137
18	Urinary Podocyte Microparticles Identify Prealbuminuric Diabetic Glomerular Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 1401-1407.	6.1	117

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19	Neuronal Nitric Oxide Synthase Protects Against Myocardial Infarction-Induced Ventricular Arrhythmia and Mortality in Mice. <i>Circulation</i> , 2009, 120, 1345-1354.	1.6	112
20	NOX Isoforms and Reactive Oxygen Species in Vascular Health. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2011, 11, 27-35.	3.4	103
21	Novel Nox homologues in the vasculature: focusing on Nox4 and Nox5. <i>Clinical Science</i> , 2011, 120, 131-141.	4.3	99
22	Microparticles Induce Cell Cycle Arrest Through Redox-Sensitive Processes in Endothelial Cells: Implications in Vascular Senescence. <i>Journal of the American Heart Association</i> , 2012, 1, e001842.	3.7	87
23	The exosome-mediated autocrine and paracrine actions of plasma gelsolin in ovarian cancer chemoresistance. <i>Oncogene</i> , 2020, 39, 1600-1616.	5.9	85
24	High glucose increases the formation and pro-oxidative activity of endothelial microparticles. <i>Diabetologia</i> , 2017, 60, 1791-1800.	6.3	79
25	Mesenchymal stromal cell-derived extracellular vesicles for regenerative therapy and immune modulation: Progress and challenges toward clinical application. <i>Stem Cells Translational Medicine</i> , 2020, 9, 39-46.	3.3	72
26	An Analysis of Mesenchymal Stem Cell-Derived Extracellular Vesicles for Preclinical Use. <i>ACS Nano</i> , 2020, 14, 9728-9743.	14.6	72
27	Vascular contributions to 16p11.2 deletion autism syndrome modeled in mice. <i>Nature Neuroscience</i> , 2020, 23, 1090-1101.	14.8	70
28	Podocyte-derived microparticles promote proximal tubule fibrotic signaling via p38MAPK and CD36. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1432206.	12.2	66
29	Assessment of urinary microparticles in normotensive patients with type 1 diabetes. <i>Diabetologia</i> , 2017, 60, 581-584.	6.3	65
30	Receptor-Ligand Interaction Mediates Targeting of Endothelial Colony Forming Cell-derived Exosomes to the Kidney after Ischemic Injury. <i>Scientific Reports</i> , 2018, 8, 16320.	3.3	65
31	Endothelial Microparticle-Derived Reactive Oxygen Species: Role in Endothelial Signaling and Vascular Function. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-10.	4.0	53
32	Molecular Basis of Cardioprotection by Erythropoietin. <i>Current Molecular Pharmacology</i> , 2009, 2, 56-69.	1.5	52
33	Role of heme oxygenase-1 in the cardioprotective effects of erythropoietin during myocardial ischemia and reperfusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H84-H93.	3.2	41
34	Tissue inhibitor of metalloproteinase-3 inhibits neonatal mouse cardiomyocyte proliferation via EGFR/JNK/SP-1 signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 296, C735-C745.	4.6	37
35	Lack of endothelial nitric oxide synthase decreases cardiomyocyte proliferation and delays cardiac maturation. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 291, C1240-C1246.	4.6	31
36	Erythropoietin Protects the Heart from Ventricular Arrhythmia during Ischemia and Reperfusion via Neuronal Nitric-Oxide Synthase. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 900-907.	2.5	31

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37	A Novel Mouse Model of Advanced Diabetic Kidney Disease. <i>PLoS ONE</i> , 2014, 9, e113459.	2.5	31
38	Plasma Gelsolin Inhibits CD8+ T-cell Function and Regulates Glutathione Production to Confer Chemoresistance in Ovarian Cancer. <i>Cancer Research</i> , 2020, 80, 3959-3971.	0.9	28
39	Effects of a domain-selective ACE inhibitor in a mouse model of chronic angiotensin II-dependent hypertension. <i>Clinical Science</i> , 2014, 127, 57-63.	4.3	27
40	Single-Particle Discrimination of Retroviruses from Extracellular Vesicles by Nanoscale Flow Cytometry. <i>Scientific Reports</i> , 2017, 7, 17769.	3.3	27
41	Role of Microparticles in Cardiovascular Disease: Implications for Endothelial Dysfunction, Thrombosis, and Inflammation. <i>Hypertension</i> , 2021, 77, 1825-1844.	2.7	26
42	Extracellular Vesicles: Cell-Derived Biomarkers of Glomerular and Tubular Injury. <i>Cellular Physiology and Biochemistry</i> , 2020, 54, 88-109.	1.6	25
43	Role of neuronal nitric oxide synthase in lipopolysaccharide-induced tumor necrosis factor-alpha expression in neonatal mouse cardiomyocytes. <i>Cardiovascular Research</i> , 2007, 75, 408-416.	3.8	24
44	Acute Kidney Injury: Preclinical Innovations, Challenges, and Opportunities for Translation. <i>Canadian Journal of Kidney Health and Disease</i> , 2015, 2, 62.	1.1	24
45	Markers of Kidney Injury, Inflammation, and Fibrosis Associated With Ertugliflozin in Patients With CKD and Diabetes. <i>Kidney International Reports</i> , 2021, 6, 2095-2104.	0.8	23
46	Changes in Cardiovascular Biomarkers Associated With the Sodium-Glucose Cotransporter 2 (SGLT2) Inhibitor Ertugliflozin in Patients With Chronic Kidney Disease and Type 2 Diabetes. <i>Diabetes Care</i> , 2021, 44, e45-e47.	8.6	22
47	Microparticles generated during chronic cerebral ischemia deliver proapoptotic signals to cultured endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 912-917.	2.1	21
48	Effect of hemodialysis on extracellular vesicles and circulating submicron particles. <i>BMC Nephrology</i> , 2019, 20, 294.	1.8	19
49	Human cord blood CD133+ cells exacerbate ischemic acute kidney injury in mice. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 3781-3789.	0.7	17
50	Shedding light on mechanisms of hyperphosphatemic vascular dysfunction. <i>Kidney International</i> , 2013, 83, 187-189.	5.2	15
51	Prostaglandin E2 increases proximal tubule fluid reabsorption, and modulates cultured proximal tubule cell responses via EP1 and EP4 receptors. <i>Laboratory Investigation</i> , 2015, 95, 1044-1055.	3.7	15
52	Pulmonary and Neurologic Effects of Mesenchymal Stromal Cell Extracellular Vesicles in a Multifactorial Lung Injury Model. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 1186-1201.	5.6	15
53	Protein Kinase C- δ Mediates Shedding of Angiotensin-Converting Enzyme 2 from Proximal Tubular Cells. <i>Frontiers in Pharmacology</i> , 2016, 7, 146.	3.5	14
54	Methods and efficacy of extracellular vesicles derived from mesenchymal stromal cells in animal models of disease: a preclinical systematic review protocol. <i>Systematic Reviews</i> , 2019, 8, 322.	5.3	14

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55	Intact Viral Particle Counts Measured by Flow Virometry Provide Insight into the Infectivity and Genome Packaging Efficiency of Moloney Murine Leukemia Virus. <i>Journal of Virology</i> , 2020, 94, .	3.4	14
56	Preclinical Studies of MSC-Derived Extracellular Vesicles to Treat or Prevent Graft Versus Host Disease: a Systematic Review of the Literature. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 332-340.	3.8	14
57	Survival Motor Neuron Protein is Released from Cells in Exosomes: A Potential Biomarker for Spinal Muscular Atrophy. <i>Scientific Reports</i> , 2017, 7, 13859.	3.3	13
58	Urinary podocyte-derived microparticles in youth with type 1 and type 2 diabetes. <i>Diabetologia</i> , 2021, 64, 469-475.	6.3	12
59	Prostaglandin E2 receptor EP1 (PGE2/EP1) deletion promotes glomerular podocyte and endothelial cell injury in hypertensive TTRhRen mice. <i>Laboratory Investigation</i> , 2020, 100, 414-425.	3.7	11
60	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. <i>BMJ Open</i> , 2021, 11, e043625.	1.9	11
61	Plasma Gelsolin Confers Chemoresistance in Ovarian Cancer by Resetting the Relative Abundance and Function of Macrophage Subtypes. <i>Cancers</i> , 2022, 14, 1039.	3.7	11
62	Isolation and Characterization of Circulating Microparticles by Flow Cytometry. <i>Methods in Molecular Biology</i> , 2017, 1527, 271-281.	0.9	10
63	Microparticle Formation in Peritoneal Dialysis. <i>Canadian Journal of Kidney Health and Disease</i> , 2017, 4, 205435811769982.	1.1	9
64	PBI-4050 via GPR40 activation improves adenine-induced kidney injury in mice. <i>Clinical Science</i> , 2019, 133, 1587-1602.	4.3	8
65	Thyroid-stimulating hormone acutely increases levels of circulating pro-coagulant microparticles. <i>Clinical Endocrinology</i> , 2015, 83, 285-287.	2.4	7
66	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. <i>Antioxidants</i> , 2021, 10, 912.	5.1	7
67	Extracellular vesicles in gestational diabetes mellitus: A scoping review. <i>Diabetes and Vascular Disease Research</i> , 2022, 19, 147916412210939.	2.0	7
68	Comparative analysis of hypertensive nephrosclerosis in animal models of hypertension and its relevance to human pathology. <i>Glomerulopathy</i> . <i>PLoS ONE</i> , 2022, 17, e0264136.	2.5	7
69	Extracellular Vesicles as Novel Players in Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2022, 33, 467-471.	6.1	6
70	May Measurement Month 2018: results of blood pressure screening from 41 countries. <i>European Heart Journal Supplements</i> , 2020, 22, H1-H4.	0.1	5
71	Can placental growth factors explain birthweight variation in offspring of women with type 1 diabetes?. <i>Diabetologia</i> , 2021, 64, 1527-1537.	6.3	5
72	Circulating small extracellular vesicles increase after an acute bout of moderate-intensity exercise in pregnant compared to non-pregnant women. <i>Scientific Reports</i> , 2021, 11, 12615.	3.3	5

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73	A standardized protocol for evaluation of large extracellular vesicles using the Attune [®] NXT system. <i>Journal of Immunological Methods</i> , 2021, 499, 113170.	1.4	5
74	Urinary interleukin-9 in youth with type 1 diabetes mellitus. <i>Acta Diabetologica</i> , 2022, 59, 939-947.	2.5	5
75	Can Peer Review Be Kinder? Supportive Peer Review: A Re-Commitment to Kindness and a Call to Action. <i>Canadian Journal of Kidney Health and Disease</i> , 2022, 9, 205435812210803.	1.1	5
76	Circulating platelet-derived extracellular vesicles correlate with nighttime blood pressure and vascular organ damage and may represent an integrative biomarker of vascular health. <i>Journal of Clinical Hypertension</i> , 2022, 24, 738-749.	2.0	5
77	ISH Hypertension Future Leaders Group. <i>Journal of Hypertension</i> , 2011, 29, 1664-1665.	0.5	4
78	Thyroid-Stimulating Hormone-Stimulated Human Adipocytes Express Thymic Stromal Lymphopoietin. <i>Hormone and Metabolic Research</i> , 2018, 50, 325-330.	1.5	4
79	Circulating extracellular vesicles during pregnancy in women with type 1 diabetes: a secondary analysis of the CONCEPTT trial. <i>Biomarker Research</i> , 2021, 9, 67.	6.8	4
80	New insights into molecular mechanisms of hypertension. <i>Current Opinion in Nephrology and Hypertension</i> , 2010, 19, 160-162.	2.0	3
81	Protective Role of Nitric Oxide Against Cardiac Arrhythmia - An Update. <i>The Open Nitric Oxide Journal</i> , 2011, 3, 38-47.	0.4	3
82	Extracellular Vesicles as an Index for Endothelial Injury and Cardiac Dysfunction in a Rodent Model of GDM. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4970.	4.1	3
83	Biomarkers in Hypertension. , 2012, , 237-246.		2
84	OS 02-03 EFFECT OF HIGH GLUCOSE EXPOSURE ON ENDOTHELIAL MICROPARTICLE FORMATION AND COMPOSITION. <i>Journal of Hypertension</i> , 2016, 34, e48.	0.5	2
85	Across the globe in 4 months. <i>Journal of Hypertension</i> , 2015, 33, 891-893.	0.5	1
86	Re: Microparticles: markers and mediators of sepsis-induced microvascular dysfunction, immunosuppression, and AKI. <i>Kidney International</i> , 2015, 88, 915.	5.2	1
87	Microparticles and Exosomes in Cell-Cell Communication. , 2019, , 159-168.		1
88	Hypertension and vascular alterations in lupus autoimmunity. <i>Journal of Hypertension</i> , 2020, 38, 1257-1258.	0.5	1
89	MicroRNA in Human Acute Kidney Injury: A Systematic Review Protocol. <i>Canadian Journal of Kidney Health and Disease</i> , 2021, 8, 205435812110099.	1.1	1
90	Diastolic hypertension is associated with proteinuria in pediatric patients. <i>Health Science Reports</i> , 2021, 4, e346.	1.5	1

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91	Highlights from the International Society of Hypertension's New Investigators Network during 2019. <i>Journal of Hypertension</i> , 2020, 38, 968-973.	0.5	1
92	Phosphate and Endothelial Function: How Sensing of Elevated Inorganic Phosphate Concentration Generates Signals in Endothelial Cells. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1362, 85-98.	1.6	1
93	Corrigendum to: Role of neuronal nitric oxide synthase in lipopolysaccharide-induced tumor necrosis factor-alpha expression in cardiomyocytes. <i>Cardiovascular Research</i> , 2008, 81, 814-814.	3.8	0
94	Effect of High Glucose Exposure on Endothelial Microparticle Formation and Composition. <i>Canadian Journal of Diabetes</i> , 2016, 40, S9-S10.	0.8	0
95	A11518 Hemodialysis reduces levels of circulating microparticles in individuals with hypertension. <i>Journal of Hypertension</i> , 2018, 36, e202-e203.	0.5	0
96	Relapse in steroid-sensitive nephrotic syndrome: are extracellular vesicles the missing link?. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, F656-F658.	2.7	0
97	Urinary Extracellular Vesicles in Urology: Current Successes and Challenges Ahead. <i>European Urology</i> , 2021, 81, 127-127.	1.9	0
98	GSK-3 β inactivation in preventing the myocardium from I/R-induced injury: Role of eNOS-derived NO. <i>FASEB Journal</i> , 2006, 20, A317.	0.5	0
99	Erythropoietin Inhibits Anoxia/Reoxygenation-induced Cardiomyocyte Apoptosis via Heme Oxygenase-1. <i>FASEB Journal</i> , 2006, 20, A1462.	0.5	0
100	Microvascular oxygen transport in obese ZDF rats: an early model of type II diabetes. <i>FASEB Journal</i> , 2008, 22, 1141.3.	0.5	0
101	Hot off the Press: Effector CD4+ cells recognize intravascular antigen presented by patrolling monocytes. <i>Hypertension News</i> , 0, , .	0.0	0
102	183-OR: Placental Growth Factor and Fetal Growth in Women with Type 1 Diabetes Mellitus. <i>Diabetes</i> , 2019, 68, .	0.6	0
103	A letter to the editor about α -dopamine 1 receptor activation protects mouse diabetic podocytes injury via regulating the PKA/NOX-5/p38 MAPK axis. <i>Experimental Cell Research</i> , 2022, 415, 113065.	2.6	0