

Dylan Burger

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9072751/dylan-burger-publications-by-citations.pdf>

Version: 2023-06-06

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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	16	3642
90	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, The</i> , 2016 , 388, 2665-2712	36.2	413
89	Angiotensin II, NADPH oxidase, and redox signaling in the vasculature. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 1110-20	8	287
88	Microparticles: biomarkers and beyond. <i>Clinical Science</i> , 2013 , 124, 423-41	6.3	249
87	Adipocytes produce aldosterone through calcineurin-dependent signaling pathways: implications in diabetes mellitus-associated obesity and vascular dysfunction. <i>Hypertension</i> , 2012 , 59, 1069-78	8	232
86	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, 1898-907	9.1	166
85	May Measurement Month 2017: an analysis of blood pressure screening results worldwide. <i>The Lancet Global Health</i> , 2018 , 6, e736-e743	12	166
84	Vascular smooth muscle cell differentiation to an osteogenic phenotype involves TRPM7 modulation by magnesium. <i>Hypertension</i> , 2010 , 56, 453-62	8	164
83	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, 1363-73	15.3	145
82	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		144
81	Human endothelial colony-forming cells protect against acute kidney injury: role of exosomes. <i>American Journal of Pathology</i> , 2015 , 185, 2309-23	5.6	142
80	Renoprotective effects of a novel Nox1/4 inhibitor in a mouse model of Type 2 diabetes. <i>Clinical Science</i> , 2013 , 124, 191-202	6.3	126
79	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	9.6	125
78	Erythropoietin protects cardiomyocytes from apoptosis via up-regulation of endothelial nitric oxide synthase. <i>Cardiovascular Research</i> , 2006 , 72, 51-9	9.6	122
77	Angiotensin II and the vascular phenotype in hypertension. <i>Expert Reviews in Molecular Medicine</i> , 2011 , 13, e11	6.5	118
76	May Measurement Month 2019: The Global Blood Pressure Screening Campaign of the International Society of Hypertension. <i>Hypertension</i> , 2020 , 76, 333-341	8	99
75	Neuronal nitric oxide synthase protects against myocardial infarction-induced ventricular arrhythmia and mortality in mice. <i>Circulation</i> , 2009 , 120, 1345-54	16.3	96

74	NOX isoforms and reactive oxygen species in vascular health. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2011 , 11, 27-35		87
73	Novel Nox homologues in the vasculature: focusing on Nox4 and Nox5. <i>Clinical Science</i> , 2011 , 120, 131-46.3		84
72	Urinary podocyte microparticles identify prealbuminuric diabetic glomerular injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2014 , 25, 1401-7	12.3	82
71	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	5.7	70
70	High glucose increases the formation and pro-oxidative activity of endothelial microparticles. <i>Diabetologia</i> , 2017 , 60, 1791-1800	10	56
69	Assessment of urinary microparticles in normotensive patients with type 1 diabetes. <i>Diabetologia</i> , 2017 , 60, 581-584	10	50
68	Molecular basis of cardioprotection by erythropoietin. <i>Current Molecular Pharmacology</i> , 2009 , 2, 56-69	3.5	48
67	Podocyte-derived microparticles promote proximal tubule fibrotic signaling via p38 MAPK and CD36. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1432206	16	45
66	Endothelial Microparticle-Derived Reactive Oxygen Species: Role in Endothelial Signaling and Vascular Function. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 5047954	6.5	43
65	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	6.6	41
64	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	4.7	40
63	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	16	38
62	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, H84-93	5	37
61	The exosome-mediated autocrine and paracrine actions of plasma gelsolin in ovarian cancer chemoresistance. <i>Oncogene</i> , 2020 , 39, 1600-1616	8.9	36
60	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, C735-45	5.2	32
59	An Analysis of Mesenchymal Stem Cell-Derived Extracellular Vesicles for Preclinical Use. <i>ACS Nano</i> , 2020 , 14, 9728-9743	16.4	31
58	Lack of endothelial nitric oxide synthase decreases cardiomyocyte proliferation and delays cardiac maturation. <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 291, C1240-6	5.2	29
57	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, 900-74.5		27

56	Vascular contributions to 16p11.2 deletion autism syndrome modeled in mice. <i>Nature Neuroscience</i> , 2020 , 23, 1090-1101	24.9	25
55	A novel mouse model of advanced diabetic kidney disease. <i>PLoS ONE</i> , 2014 , 9, e113459	3.6	23
54	Single-Particle Discrimination of Retroviruses from Extracellular Vesicles by Nanoscale Flow Cytometry. <i>Scientific Reports</i> , 2017 , 7, 17769	4.7	22
53	Role of neuronal nitric oxide synthase in lipopolysaccharide-induced tumor necrosis factor-alpha expression in neonatal mouse cardiomyocytes. <i>Cardiovascular Research</i> , 2007 , 75, 408-16	9.6	21
52	Acute kidney injury: preclinical innovations, challenges, and opportunities for translation. <i>Canadian Journal of Kidney Health and Disease</i> , 2015 , 2, 30	2.2	20
51	Microparticles generated during chronic cerebral ischemia deliver proapoptotic signals to cultured endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 450, 912-7	3.3	20
50	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	6.3	18
49	Human cord blood CD133+ cells exacerbate ischemic acute kidney injury in mice. <i>Nephrology Dialysis Transplantation</i> , 2012 , 27, 3781-9	4.1	15
48	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, 1044-55	5.7	14
47	Shedding of Right on mechanisms of hyperphosphatemic vascular dysfunction. <i>Kidney International</i> , 2013 , 83, 187-9	9.6	12
46	Effect of hemodialysis on extracellular vesicles and circulating submicron particles. <i>BMC Nephrology</i> , 2019 , 20, 294	2.6	11
45	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	14.1	11
44	Survival Motor Neuron Protein is Released from Cells in Exosomes: A Potential Biomarker for Spinal Muscular Atrophy. <i>Scientific Reports</i> , 2017 , 7, 13859	4.7	10
43	Extracellular Vesicles: Cell-Derived Biomarkers of Glomerular and Tubular Injury. <i>Cellular Physiology and Biochemistry</i> , 2020 , 54, 88-109	3.7	10
42	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	2.9	10
41	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,	6.3	9
40	Protein Kinase C- β Mediates Shedding of Angiotensin-Converting Enzyme 2 from Proximal Tubular Cells. <i>Frontiers in Pharmacology</i> , 2016 , 7, 146	5.4	9
39	Isolation and Characterization of Circulating Microparticles by Flow Cytometry. <i>Methods in Molecular Biology</i> , 2017 , 1527, 271-281	1.4	8

38	Microparticle Formation in Peritoneal Dialysis: A Proof of Concept Study. <i>Canadian Journal of Kidney Health and Disease</i> , 2017 , 4, 2054358117699829	2.2	8
37	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	9.6	7
36	Role of Microparticles in Cardiovascular Disease: Implications for Endothelial Dysfunction, Thrombosis, and Inflammation. <i>Hypertension</i> , 2021 , 77, 1825-1844	8	7
35	Engineered Retroviruses as Fluorescent Biological Reference Particles for Small Particle Flow Cytometry		6
34	Thyroid-stimulating hormone acutely increases levels of circulating pro-coagulant microparticles. <i>Clinical Endocrinology</i> , 2015 , 83, 285-7	3.3	5
33	Urinary podocyte-derived microparticles in youth with type 1 and type 2 diabetes. <i>Diabetologia</i> , 2021 , 64, 469-475	10	5
32	May Measurement Month 2018: results of blood pressure screening from 41 countries. <i>European Heart Journal Supplements</i> , 2020 , 22, H1-H4	1.4	4
31	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	5.7	4
30	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	7.1	4
29	PBI-4050 via GPR40 activation improves adenine-induced kidney injury in mice. <i>Clinical Science</i> , 2019 , 133, 1587-1602	6.3	3
28	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	0.9	3
27	Thyroid-Stimulating Hormone-Stimulated Human Adipocytes Express Thymic Stromal Lymphopoietin. <i>Hormone and Metabolic Research</i> , 2018 , 50, 325-330	3	2
26	Protective Role of Nitric Oxide Against Cardiac Arrhythmia - An Update. <i>The Open Nitric Oxide Journal</i> , 2011 , 3, 38-47		2
25	Accumulation of Seminolipid in Sertoli Cells Is Associated with Increased Levels of Reactive Oxygen Species and Male Subfertility: Studies in Aging Null Male Mice. <i>Antioxidants</i> , 2021 , 10,	6.8	2
24	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	4.7	2
23	OS 02-03 EFFECT OF HIGH GLUCOSE EXPOSURE ON ENDOTHELIAL MICROPARTICLE FORMATION AND COMPOSITION. <i>Journal of Hypertension</i> , 2016 , 34, e48	1.5	2
22	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	2.9	2
21	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	7.8	2

20	Comparative analysis of hypertensive nephrosclerosis in animal models of hypertension and its relevance to human pathology. Glomerulopathy.. <i>PLoS ONE</i> , 2022 , 17, e0264136	3.6	2
19	Re: Microparticles: markers and mediators of sepsis-induced microvascular dysfunction, immunosuppression, and AKI. <i>Kidney International</i> , 2015 , 88, 915	9.6	1
18	Microparticles and Exosomes in Cell-Cell Communication 2019 , 159-168		1
17	Biomarkers in Hypertension 2012 , 237-246		1
16	Can placental growth factors explain birthweight variation in offspring of women with type 1 diabetes?. <i>Diabetologia</i> , 2021 , 64, 1527-1537	10	1
15	Extracellular vesicles in gestational diabetes mellitus: A scoping review.. <i>Diabetes and Vascular Disease Research</i> , 2022 , 19, 14791641221093901	3.2	1
14	ISH Hypertension Future Leaders Group: a network for new investigators run by new investigators. <i>Journal of Hypertension</i> , 2011 , 29, 1664-5	1.5	0
13	Highlights from the International Society of Hypertension® New Investigators Network during 2019. <i>Journal of Hypertension</i> , 2020 , 38, 968-973	1.5	0
12	A standardized protocol for evaluation of large extracellular vesicles using the attuneINXT system. <i>Journal of Immunological Methods</i> , 2021 , 499, 113170	2.4	0
11	MicroRNA in Human Acute Kidney Injury: A Systematic Review Protocol. <i>Canadian Journal of Kidney Health and Disease</i> , 2021 , 8, 20543581211009999	2.2	0
10	Diastolic hypertension is associated with proteinuria in pediatric patients. <i>Health Science Reports</i> , 2021 , 4, e346	2.1	0
9	Urinary interleukin-9 in youth with type 1 diabetes mellitus.. <i>Acta Diabetologica</i> , 2022 , 1	3.8	0
8	Urinary Extracellular Vesicles in Urology: Current Successes and Challenges Ahead. <i>European Urology</i> , 2021 , 81, 127-127	9.9	
7	GSK-3b inactivation in preventing the myocardium from I/R-induced injury: Role of eNOS-derived NO. <i>FASEB Journal</i> , 2006 , 20, A317	0.9	
6	Erythropoietin Inhibits Anoxia/Reoxygenation-Induced Cardiomyocyte Apoptosis via Heme Oxygenase-1. <i>FASEB Journal</i> , 2006 , 20, A1462	0.9	
5	Microvascular oxygen transport in obese ZDF rats: an early model of type II diabetes. <i>FASEB Journal</i> , 2008 , 22, 1141.3	0.9	
4	183-OR: Placental Growth Factor and Fetal Growth in Women with Type 1 Diabetes Mellitus. <i>Diabetes</i> , 2019 , 68, 183-OR	0.7	
3	A11518 Hemodialysis reduces levels of circulating microparticles in individuals with hypertension. <i>Journal of Hypertension</i> , 2018 , 36, e202-e203	1.5	

- 2 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}
- 1 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