

# Matthew J Durand

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,017  
citations

516710

16  
h-index

477307

29  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1585  
citing authors

#	ARTICLE	IF	CITATIONS
1	Take charge during treatment: A planned exercise protocol to evaluate disparities and cardiovascular outcomes in Black and White patients with breast cancer undergoing treatment.. <i>Journal of Clinical Oncology</i> , 2022, 40, TPS12138-TPS12138.	1.6	0
2	Pain relief following genicular nerve radiofrequency ablation: does knee compartment matter?. <i>Pain Management</i> , 2021, 11, 705-714.	1.5	1
3	Identifying High-Attenuating and Low-Attenuating Muscle Using Computerized Tomography and Exploring Its Impact on Physical Function and Muscle Strength in Obese Critically Ill Patients. <i>Nutrition in Clinical Practice</i> , 2020, 35, 133-141.	2.4	2
4	Two weeks of remote ischemic conditioning improves brachial artery flow mediated dilation in chronic stroke survivors. <i>Journal of Applied Physiology</i> , 2020, 129, 1348-1354.	2.5	5
5	BCR&Abl tyrosine kinase inhibitors promote pathological changes in dilator phenotype in the human microvasculature. <i>Microcirculation</i> , 2020, 27, e12625.	1.8	6
6	Comparing pain relief and functional improvement between methylprednisolone and dexamethasone lumbosacral transforaminal epidural steroid injections: a self-controlled study. <i>Korean Journal of Pain</i> , 2020, 33, 192-198.	2.2	11
7	The Relationship Between Blood Flow and Motor Unit Firing Rates in Response to Fatiguing Exercise Post-stroke. <i>Frontiers in Physiology</i> , 2019, 10, 545.	2.8	10
8	You Are Only as Frail as Your Arteries: Prehabilitation of Elderly Surgical Patients. <i>Current Anesthesiology Reports</i> , 2019, 9, 380-386.	2.0	3
9	Visualization and quantification of mitochondrial structure in the endothelium of intact arteries. <i>Cardiovascular Research</i> , 2019, 115, 1546-1556.	3.8	21
10	Two weeks of ischemic conditioning improves walking speed and reduces neuromuscular fatigability in chronic stroke survivors. <i>Journal of Applied Physiology</i> , 2019, 126, 755-763.	2.5	26
11	Microvascular Adaptations to Exercise: Protective Effect of PGC-1 Alpha. <i>American Journal of Hypertension</i> , 2018, 31, 240-246.	2.0	11
12	Stroke increases ischemia-related decreases in motor unit discharge rates. <i>Journal of Neurophysiology</i> , 2018, 120, 3246-3256.	1.8	13
13	There is no way to sugar coat it, you are getting older. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H632-H633.	3.2	0
14	Ischemic conditioning increases strength and volitional activation of paretic muscle in chronic stroke: a pilot study. <i>Journal of Applied Physiology</i> , 2018, 124, 1140-1147.	2.5	33
15	Regenerative Angiogenesis. <i>Circulation Research</i> , 2017, 120, 1379-1380.	4.5	6
16	PGC-1 $\alpha$ (Peroxisome Proliferator-Activated Receptor $\gamma$ Coactivator 1- $\alpha$ ) Overexpression in Coronary Artery Disease Recruits NO and Hydrogen Peroxide During Flow-Mediated Dilatation and Protects Against Increased Intraluminal Pressure. <i>Hypertension</i> , 2017, 70, 166-173.	2.7	41
17	Mitochondria-regulated formation of endothelium-derived extracellular vesicles shifts the mediator of flow-induced vasodilation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H1096-H1104.	3.2	17
18	Evaluation of Vascular Control Mechanisms Utilizing Video Microscopy of Isolated Resistance Arteries of Rats. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	0

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19	Vascular Actions of Angiotensin 1â€“7 in the Human Microcirculation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 1254-1262.	2.4	55
20	Critical Role for Telomerase in the Mechanism of Flow-Mediated Dilatation in the Human Microcirculation. <i>Circulation Research</i> , 2016, 118, 856-866.	4.5	88
21	The Human Microcirculation. <i>Circulation Research</i> , 2016, 118, 157-172.	4.5	222
22	Acute Exertion Elicits a H <sub>2</sub> O <sub>2</sub> -Dependent Vasodilator Mechanism in the Microvasculature of Exercise-Trained but Not Sedentary Adults. <i>Hypertension</i> , 2015, 65, 140-145.	2.7	48
23	Impaired Hyperemic Response to Exercise Post Stroke. <i>PLoS ONE</i> , 2015, 10, e0144023.	2.5	11
24	Vasodilator and Vasoprotective Actions of Angiotensin 1â€“7 in the Human Microcirculation â€“ Role of Telomerase. <i>FASEB Journal</i> , 2015, 29, 789.3.	0.5	1
25	The vascular renin-angiotensin system contributes to blunted vasodilation induced by transient high pressure in human adipose microvessels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H25-H32.	3.2	18
26	An acute rise in intraluminal pressure shifts the mediator of flow-mediated dilation from nitric oxide to hydrogen peroxide in human arterioles. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1587-H1593.	3.2	54
27	Exercise and vascular function: how much is too much?. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014, 92, 551-557.	1.4	42
28	Inhibition of the vascular reninâ€“angiotensin system preserves nitric oxideâ€“mediated vasodilation in human adipose arterioles after transient high pressure stress (676.9). <i>FASEB Journal</i> , 2014, 28, 676.9.	0.5	0
29	Diversity in Mechanisms of Endotheliumâ€“Dependent Vasodilation in Health and Disease. <i>Microcirculation</i> , 2013, 20, 239-247.	1.8	147
30	Low-Dose Angiotensin II Infusion Restores Vascular Function in Cerebral Arteries of High Salt-Fed Rats by Increasing Copper/Zinc Superoxide Dimutase Expression. <i>American Journal of Hypertension</i> , 2013, 26, 739-747.	2.0	36
31	Plasticity in the Microvasculature of Conditioned Weight Lifters After Acute High Pressure Stress. <i>FASEB Journal</i> , 2013, 27, 1136.1.	0.5	0
32	The Vascular Renin Angiotensin System Contributes to Endothelial Dysfunction Induced by Acute High Pressure in Human Adipose Microvessels. <i>FASEB Journal</i> , 2012, 26, 676.8.	0.5	0
33	Introgession of the Brown Norway Renin Allele Onto the Dahl Salt-Sensitive Genetic Background Increases Cu/Zn SOD Expression in Cerebral Arteries. <i>American Journal of Hypertension</i> , 2011, 24, 563-568.	2.0	19
34	Angiotensin-(1-7) and low-dose angiotensin II infusion reverse salt-induced endothelial dysfunction via different mechanisms in rat middle cerebral arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H1024-H1033.	3.2	45
35	Impaired relaxation of cerebral arteries in the absence of elevated salt intake in normotensive congenic rats carrying the Dahl salt-sensitive renin gene. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H1865-H1874.	3.2	25
36	Introgession of the Brown Norway Renin Gene onto the Dahl Salt Sensitive Genetic Background Restores Endotheliumâ€“Dependent Vascular Relaxation by Reducing Oxidative Stress in the Cerebral Vasculature. <i>FASEB Journal</i> , 2010, 24, 776.1.	0.5	0

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37	Suppressed Plasma Angiotensin II and Reduced Antioxidant Enzyme Expression Contribute to Impaired Vascular Relaxation in Dahl Salt-Sensitive Rats. FASEB Journal, 2009, 23, 1017.14.	0.5	0
38	Restoration of Vascular Relaxation in Cerebral Arteries of Congenic Dahl Rats Receiving the Brown Norway (BN) Renin Gene. FASEB Journal, 2008, 22, 1142.5.	0.5	0