

Daniel R Machin

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

874
citations

759233

12
h-index

580821

25
g-index

32
all docs

32
docs citations

32
times ranked

1388
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of Dysfunction in the Aging Vasculature and Role in Age-Related Disease. <i>Circulation Research</i> , 2018, 123, 825-848.	4.5	344
2	Advanced age results in a diminished endothelial glycocalyx. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H531-H539.	3.2	79
3	Improved Function and Reduced Pain after Swimming and Cycling Training in Patients with Osteoarthritis. <i>Journal of Rheumatology</i> , 2016, 43, 666-672.	2.0	60
4	Impact of blood pressure perturbations on arterial stiffness. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R1540-R1545.	1.8	58
5	The role of the endothelial glycocalyx in advanced age and cardiovascular disease. <i>Current Opinion in Pharmacology</i> , 2019, 45, 66-71.	3.5	46
6	Effects of Swimming and Cycling Exercise Intervention on Vascular Function in Patients With Osteoarthritis. <i>American Journal of Cardiology</i> , 2016, 117, 141-145.	1.6	37
7	Greater progression of athletic performance in older Masters athletes. <i>Age and Ageing</i> , 2015, 44, 683-686.	1.6	36
8	Hypotensive effects of solitary addition of conventional nonfat dairy products to the routine diet: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2014, 100, 80-87.	4.7	28
9	Lifelong SIRT-1 overexpression attenuates large artery stiffening with advancing age. <i>Aging</i> , 2020, 12, 11314-11324.	3.1	27
10	Effects of Differing Dosages of Pomegranate Juice Supplementation after Eccentric Exercise. <i>Physiology Journal</i> , 2014, 2014, 1-7.	0.4	26
11	Automated Measurement of Microvascular Function Reveals Dysfunction in Systemic Sclerosis: A Cross-sectional Study. <i>Journal of Rheumatology</i> , 2017, 44, 1603-1611.	2.0	26
12	Induced Trf2 deletion leads to aging vascular phenotype in mice associated with arterial telomere uncapping, senescence signaling, and oxidative stress. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 127, 74-82.	1.9	24
13	Aging differentially impacts vasodilation and angiogenesis in arteries from the white and brown adipose tissues. <i>Experimental Gerontology</i> , 2020, 142, 111126.	2.8	12
14	Exercise-induced brachial artery blood flow and vascular function is impaired in systemic sclerosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H1375-H1381.	3.2	11
15	Microcirculatory and glycocalyx properties are lowered by high-salt diet but augmented by Western diet in genetically heterogeneous mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H328-H335.	3.2	11
16	The pro-atherogenic response to disturbed blood flow is increased by a western diet, but not by old age. <i>Scientific Reports</i> , 2019, 9, 2925.	3.3	9
17	T cells mediate cell non-autonomous arterial ageing in mice. <i>Journal of Physiology</i> , 2021, 599, 3973-3991.	2.9	9
18	Ultrasound Assessment of Flow-Mediated Dilation of the Brachial and Superficial Femoral Arteries in Rats. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	7

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19	Dietary Glycocalyx Precursor Supplementation Ameliorates Age-Related Vascular Dysfunction. <i>FASEB Journal</i> , 2019, 33, 828.1.	0.5	7
20	Acute oral tetrahydrobiopterin administration ameliorates endothelial dysfunction in systemic sclerosis. <i>Clinical and Experimental Rheumatology</i> , 2017, 35 Suppl 106, 167-172.	0.8	6
21	Deletion of Robo4 prevents high-fat diet-induced adipose artery and systemic metabolic dysfunction. <i>Microcirculation</i> , 2019, 26, e12540.	1.8	4
22	Implications of endothelial shear stress on systemic sclerosis vasculopathy and treatment. <i>Clinical and Experimental Rheumatology</i> , 2018, 36 Suppl 113, 175-182.	0.8	3
23	Tetrahydrobiopterin Administration Augments Exercise-Induced Hyperemia and Endothelial Function in Patients With Systemic Sclerosis. <i>Frontiers in Medicine</i> , 2021, 8, 791689.	2.6	2
24	Age-Related Telomere Uncapping Occurs Independent of Telomere Shortening in Mouse Endothelial Cells. <i>FASEB Journal</i> , 2015, 29, 642.1.	0.5	1
25	Sirt1 overexpression attenuates Western-style diet-induced aortic stiffening in mice. <i>Physiological Reports</i> , 2022, 10, e15284.	1.7	1
26	Aging results in endothelial cell telomere uncapping that induces senescence, arterial stiffening, and reduced nitric oxide bioavailability. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
27	The Addition of Non-Fat Dairy Products to the Routine Diet Reduces Systolic Blood Pressure in Obese Individuals. <i>FASEB Journal</i> , 2013, 27, 368.6.	0.5	0
28	Pyridoxamine attenuates age-related impairments in cerebral artery endothelial function. <i>FASEB Journal</i> , 2018, 32, 711.12.	0.5	0
29	The Impact of Acute Tetrahydrobiopterin Administration on Plasma Adropin Concentration in Patients with Systemic Sclerosis. <i>FASEB Journal</i> , 2018, 32, 902.20.	0.5	0
30	Genetic deletion of the DNA damage repair protein, ATM kinase, is not sufficient to induce vascular dysfunction in young mice. <i>FASEB Journal</i> , 2019, 33, .	0.5	0
31	Ablation of Endothelial mTOR is Benign in Young Mice and Reverses Age-Related Arterial and Metabolic Impairments in Old Mice. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
32	The Effects of High Salt and Western Diets on Microcirculatory and Glycocalyx Properties in Genetically Heterogeneous Young Mice. <i>FASEB Journal</i> , 2022, 36, .	0.5	0