

# 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  | 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        |
| 2  | Sirt1 overexpression attenuates Western-style diet-induced aortic stiffening in mice. <i>Physiological Reports</i> , 2022, 10, e15284.   | 1.7 | 1         |
| 3  | 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         |
| 4  | 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         |
| 5  | Ageing 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         |
| 6  | T cells mediate cell non-autonomous arterial ageing in mice. <i>Journal of Physiology</i> , 2021, 599, 3973-3991.  | 2.9 | 9         |
| 7  | 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         |
| 8  | Ageing differentially impacts vasodilation and angiogenesis in arteries from the white and brown adipose tissues. <i>Experimental Gerontology</i> , 2020, 142, 111126.   | 2.8 | 12        |
| 9  | Lifelong SIRT-1 overexpression attenuates large artery stiffening with advancing age. <i>Ageing</i> , 2020, 12, 11314-11324.   | 3.1 | 27        |
| 10 | 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        |
| 11 | Deletion of Robo4 prevents high-fat diet-induced adipose artery and systemic metabolic dysfunction. <i>Microcirculation</i> , 2019, 26, e12540.  | 1.8 | 4         |
| 12 | 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         |
| 13 | 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        |
| 14 | Dietary Glycocalyx Precursor Supplementation Ameliorates Age-Related Vascular Dysfunction. <i>FASEB Journal</i> , 2019, 33, 828.1.   | 0.5 | 7         |
| 15 | 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         |
| 16 | Mechanisms of Dysfunction in the Aging Vasculature and Role in Age-Related Disease. <i>Circulation Research</i> , 2018, 123, 825-848.  | 4.5 | 344       |
| 17 | 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        |
| 18 | Pyridoxamine attenuates age-related impairments in cerebral artery endothelial function. <i>FASEB Journal</i> , 2018, 32, 711.12.  | 0.5 | 0         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | 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         |
| 20 | 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         |
| 21 | 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        |
| 22 | 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         |
| 23 | 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        |
| 24 | 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         |
| 25 | 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        |
| 26 | 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        |
| 27 | 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        |
| 28 | Greater progression of athletic performance in older Masters athletes. <i>Age and Ageing</i> , 2015, 44, 683-686.   | 1.6 | 36        |
| 29 | Age-Related Telomere Uncapping Occurs Independent of Telomere Shortening in Mouse Endothelial Cells. <i>FASEB Journal</i> , 2015, 29, 642.1.  | 0.5 | 1         |
| 30 | Effects of Differing Dosages of Pomegranate Juice Supplementation after Eccentric Exercise. <i>Physiology Journal</i> , 2014, 2014, 1-7.  | 0.4 | 26        |
| 31 | 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        |
| 32 | 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         |