

Phillip E Gates

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,829
citations

279487

23
h-index

301761

39
g-index

45
all docs

45
docs citations

45
times ranked

3669
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Evidence of Endothelial Oxidative Stress With Aging in Humans. <i>Circulation Research</i> , 2007, 100, 1659-1666.	2.0	490
2	Vascular endothelial dysfunction with aging: endothelin-1 and endothelial nitric oxide synthase. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H425-H432.	1.5	250
3	Dietary Sodium Restriction Rapidly Improves Large Elastic Artery Compliance in Older Adults With Systolic Hypertension. <i>Hypertension</i> , 2004, 44, 35-41.	1.3	214
4	Overweight and Obese Humans Demonstrate Increased Vascular Endothelial NAD(P)H Oxidase-p47phox Expression and Evidence of Endothelial Oxidative Stress. <i>Circulation</i> , 2007, 115, 627-637.	1.6	186
5	Greater Age-Related Reductions in Central Arterial Compliance in Resistance-Trained Men. <i>Hypertension</i> , 2003, 41, 130-135.	1.3	184
6	Greater rate of decline in maximal aerobic capacity with age in endurance-trained than in sedentary men. <i>Journal of Applied Physiology</i> , 2003, 94, 2406-2413.	1.2	135
7	Dietary Sodium Restriction Reverses Vascular Endothelial Dysfunction in Middle-Aged/Older Adults With Moderately Elevated Systolic Blood Pressure. <i>Journal of the American College of Cardiology</i> , 2013, 61, 335-343.	1.2	126
8	Left ventricular structure and diastolic function with human ageing Relation to habitual exercise and arterial stiffness. <i>European Heart Journal</i> , 2003, 24, 2213-2220.	1.0	114
9	Fatness Is a Better Predictor of Cardiovascular Disease Risk Factor Profile Than Aerobic Fitness in Healthy Men. <i>Circulation</i> , 2005, 111, 1904-1914.	1.6	109
10	Human endothelial function and microvascular ageing. <i>Experimental Physiology</i> , 2009, 94, 311-316.	0.9	99
11	Impaired flow-mediated dilation with age is not explained by l-arginine bioavailability or endothelial asymmetric dimethylarginine protein expression. <i>Journal of Applied Physiology</i> , 2007, 102, 63-71.	1.2	97
12	Basal leg blood flow in healthy women is related to age and hormone replacement therapy status. <i>Journal of Physiology</i> , 2003, 547, 309-316.	1.3	92
13	In Vitro and Preliminary In Vivo Validation of Echo Particle Image Velocimetry in Carotid Vascular Imaging. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, 450-464.	0.7	84
14	Advanced age results in a diminished endothelial glycocalyx. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H531-H539.	1.5	79
15	Modulatory influences on ageing of the vasculature in healthy humans. <i>Experimental Gerontology</i> , 2006, 41, 501-507.	1.2	71
16	Dietary Sodium Restriction and Association with Urinary Marinobufagenin, Blood Pressure, and Aortic Stiffness. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2013, 8, 1952-1959.	2.2	63
17	Two weeks of high-intensity interval training improves novel but not traditional cardiovascular disease risk factors in adolescents. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1039-H1047.	1.5	55
18	Low dietary sodium intake is associated with enhanced vascular endothelial function in middle-aged and older adults with elevated systolic blood pressure. <i>Therapeutic Advances in Cardiovascular Disease</i> , 2009, 3, 347-356.	1.0	44

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19	Modulation of Vascular Endothelial Function by Low-Density Lipoprotein Cholesterol With Aging: Influence of Habitual Exercise. <i>American Journal of Hypertension</i> , 2009, 22, 250-256.	1.0	40
20	Measurement of Wall Shear Stress Exerted by Flowing Blood in the Human Carotid Artery: Ultrasound Doppler Velocimetry and Echo Particle Image Velocimetry. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1392-1401.	0.7	34
21	Adiposity Contributes to Differences in Left Ventricular Structure and Diastolic Function with Age in Healthy Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 4884-4890.	1.8	30
22	Use of Vascular Assessments and Novel Biomarkers to Predict Cardiovascular Events in Type 2 Diabetes: The SUMMIT VIP Study. <i>Diabetes Care</i> , 2018, 41, 2212-2219.	4.3	28
23	Stiffening Our Resolve Against Adult Weight Gain. <i>Hypertension</i> , 2005, 45, 175-177.	1.3	26
24	Automated Measurement of Microvascular Function Reveals Dysfunction in Systemic Sclerosis: A Cross-sectional Study. <i>Journal of Rheumatology</i> , 2017, 44, 1603-1611.	1.0	26
25	Aortic Input Impedance Increases With Age in Healthy Men and Women. <i>Hypertension</i> , 2005, 45, 1101-1106.	1.3	20
26	Echo Particle Image Velocimetry for Estimation of Carotid Artery Wall Shear Stress: Repeatability, Reproducibility and Comparison with Phase-Contrast Magnetic Resonance Imaging. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 1618-1627.	0.7	16
27	Montmorency cherry supplementation attenuates vascular dysfunction induced by prolonged forearm occlusion in overweight, middle-aged men. <i>Journal of Applied Physiology</i> , 2019, 126, 246-254.	1.2	16
28	Brachial artery vasodilatory response and wall shear rate determined by multigate Doppler in a healthy young cohort. <i>Journal of Applied Physiology</i> , 2018, 124, 150-159.	1.2	13
29	Blood Oxygen Saturation After Ischemia is Altered With Abnormal Microvascular Reperfusion. <i>Microcirculation</i> , 2015, 22, 294-305.	1.0	12
30	Concentric adaptation of the left ventricle in response to controlled upper body exercise training. <i>Journal of Applied Physiology</i> , 2003, 94, 549-554.	1.2	11
31	Concentric left ventricular morphology in aerobically trained kayak canoeists. <i>Journal of Sports Sciences</i> , 2004, 22, 859-865.	1.0	11
32	Prolonged forearm ischemia attenuates endothelium-dependent vasodilatation and plasma nitric oxide metabolites in overweight middle-aged men. <i>European Journal of Applied Physiology</i> , 2018, 118, 1565-1572.	1.2	11
33	Reactivity to low-flow as a potential determinant for brachial artery flow-mediated vasodilatation. <i>Physiological Reports</i> , 2016, 4, e12808.	0.7	10
34	Cerebral small vessel disease, systemic vascular characteristics and potential therapeutic targets. <i>Aging</i> , 2021, 13, 22030-22039.	1.4	9
35	Echogenicity of the Common Carotid Artery Intima-Media Complex in Stroke. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 1130-1137.	0.7	8
36	Arterial wall shear rate response to reactive hyperaemia is markedly different between young and older humans. <i>Journal of Physiology</i> , 2019, 597, 4151-4163.	1.3	5

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37	Reservoir-Excess Pressure Parameters Independently Predict Cardiovascular Events in Individuals With Type 2 Diabetes. <i>Hypertension</i> , 2021, 78, 40-50.	1.3	4
38	Age-related change in endothelial and microvessel function and therapeutic consequences. <i>Reviews in Clinical Gerontology</i> , 2010, 20, 161-170.	0.5	3
39	In Vivo Validation of Echo Partical Image Velocimetry (Echo PIV) in Human Carotid Arteries Using Phase-Contrast MRI. , 2009, , .		2
40	Enhanced tetrahydrobiopterin contributes to sodium restriction-induced improvements in large elastic artery compliance in older adults with elevated systolic blood pressure. <i>FASEB Journal</i> , 2012, 26, 1131.11.	0.2	1
41	Carotid-femoral pulse wave velocity acquisition methods and their associations with cardiovascular risk factors and subclinical biomarkers of vascular health. <i>Journal of Hypertension</i> , 2022, 40, 658-665.	0.3	1
42	Adiposity and Vascular Endothelial Expression of Pro- and Anti-oxidant Proteins in Humans. <i>FASEB Journal</i> , 2006, 20, A1181.	0.2	0
43	Enhanced vascular endothelium-dependent dilation in older men who exercise is associated with markedly lower endothelial oxidative stress. <i>FASEB Journal</i> , 2007, 21, A932.	0.2	0
44	Carotid artery intima-media echogenicity and aortic stiffness in healthy middle-aged and older humans. <i>FASEB Journal</i> , 2013, 27, .	0.2	0
45	Aged endothelial cells exhibit a metabolic shift from anaerobic glycolysis to oxidative phosphorylation. <i>FASEB Journal</i> , 2019, 33, 693.14.	0.2	0