

Matthew C Babcock

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

418
citations

758635

12
h-index

794141

19
g-index

35
all docs

35
docs citations

35
times ranked

454
citing authors

#	ARTICLE	IF	CITATIONS
1	Sex differences in vascular aging in response to testosterone. <i>Biology of Sex Differences</i> , 2020, 11, 18.	1.8	51
2	Effect of hypoxia on cerebrovascular and cognitive function during moderate intensity exercise. <i>Physiology and Behavior</i> , 2016, 165, 108-118.	1.0	46
3	Relation between resting sympathetic outflow and vasoconstrictor responses to sympathetic nerve bursts: sex differences in healthy young adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 316, R463-R471.	0.9	39
4	Reducing Dietary Sodium to 1000 mg per Day Reduces Neurovascular Transduction Without Stimulating Sympathetic Outflow. <i>Hypertension</i> , 2019, 73, 587-593.	1.3	32
5	Oxidative Stress and Inflammation Are Associated With Age-Related Endothelial Dysfunction in Men With Low Testosterone. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e500-e514.	1.8	26
6	Acute effect of high-intensity cycling exercise on carotid artery hemodynamic pulsatility. <i>European Journal of Applied Physiology</i> , 2015, 115, 1037-1045.	1.2	24
7	The Impact of High Dietary Sodium Consumption on Blood Pressure Variability in Healthy, Young Adults. <i>American Journal of Hypertension</i> , 2020, 33, 422-429.	1.0	21
8	Alterations in dietary sodium intake affect cardiovagal baroreflex sensitivity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R688-R695.	0.9	18
9	Assessment of macrovascular and microvascular function in aging males. <i>Journal of Applied Physiology</i> , 2021, 130, 96-103.	1.2	18
10	The influence of acute elevations in plasma osmolality and serum sodium on sympathetic outflow and blood pressure responses to exercise. <i>Journal of Neurophysiology</i> , 2018, 119, 1257-1265.	0.9	17
11	High Salt Intake Augments Blood Pressure Responses During Submaximal Aerobic Exercise. <i>Journal of the American Heart Association</i> , 2020, 9, e015633.	1.6	17
12	Short-term water deprivation does not increase blood pressure variability or impair neurovascular function in healthy young adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R112-R121.	0.9	15
13	Impairments in Blood Pressure Regulation and Cardiac Baroreceptor Sensitivity Among Patients With Heart Failure Supported With Continuous-Flow Left Ventricular Assist Devices. <i>Circulation: Heart Failure</i> , 2021, 14, e007448.	1.6	14
14	Water deprivation does not augment sympathetic or pressor responses to sciatic afferent nerve stimulation in rats or to static exercise in humans. <i>Journal of Applied Physiology</i> , 2019, 127, 235-245.	1.2	12
15	High dietary salt intake increases urinary NGAL excretion and creatinine clearance in healthy young adults. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 322, F392-F402.	1.3	12
16	Salt Loading Blunts Central and Peripheral Postexercise Hypotension. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 935-943.	0.2	11
17	Commentaries on Point:Counterpoint: Investigators should/should not control for menstrual cycle phase when performing studies of vascular control. <i>Journal of Applied Physiology</i> , 2020, 129, 1122-1135.	1.2	8
18	A high-salt meal does not augment blood pressure responses during maximal exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020, 45, 123-128.	0.9	7

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19	Short-term water deprivation attenuates the exercise pressor reflex in older female adults. <i>Physiological Reports</i> , 2020, 8, e14581.	0.7	6
20	A high salt meal does not impair cerebrovascular reactivity in healthy young adults. <i>Physiological Reports</i> , 2020, 8, e14585.	0.7	5
21	Age-associated reductions in cardiovagal baroreflex sensitivity are exaggerated in middle-aged and older men with low testosterone. <i>Journal of Applied Physiology</i> , 2022, 133, 403-415.	1.2	5
22	Relation between exercise central haemodynamic response and resting cardiac structure and function in young healthy men. <i>Clinical Physiology and Functional Imaging</i> , 2017, 37, 372-378.	0.5	4
23	The baroreflex effectiveness index as an early marker of autonomic dysfunction in heart failure. <i>Journal of Physiology</i> , 2017, 595, 5013-5014.	1.3	4
24	The relation between habitual physical activity and sympathetic vascular transduction in healthy young adults. <i>Clinical Autonomic Research</i> , 2021, 31, 335-337.	1.4	4
25	Absent metaboreflex-induced increases in sympathetic outflow to contracting muscle. <i>Journal of Physiology</i> , 2018, 596, 2281-2282.	1.3	1
26	Ten days of high dietary sodium does not impair cerebral blood flow regulation in healthy adults. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2021, 234, 102826.	1.4	1
27	Effect of Short-term Water Restriction on Blood Pressure Variability in Young Adults. <i>FASEB Journal</i> , 2018, 32, 763.3.	0.2	0
28	Effect of Dietary Sodium Intake on Blood Pressure Variability. <i>FASEB Journal</i> , 2018, 32, 714.16.	0.2	0
29	Differential Sympathetic and RAAS Responses to a Low Sodium Diet. <i>FASEB Journal</i> , 2018, 32, 763.8.	0.2	0
30	The Effects of Aerobic Fitness on Blood Pressure Reactivity During Controlled Low and High Sodium Diets. <i>FASEB Journal</i> , 2018, 32, .	0.2	0
31	The Influence of dietary sodium on circulating inflammatory cytokines in healthy young female adults. <i>FASEB Journal</i> , 2019, 33, 871.10.	0.2	0
32	The Effect of Age on Exercise Blood Pressure Responses Following Short-term Water Deprivation. <i>FASEB Journal</i> , 2019, 33, 533.1.	0.2	0
33	A Single High Sodium Meal Impairs Dynamic Cerebral Autoregulation. <i>FASEB Journal</i> , 2019, 33, 832.6.	0.2	0
34	Sympathetic Transduction in Young Women with a Family History of Hypertension. <i>FASEB Journal</i> , 2019, 33, 562.9.	0.2	0
35	Cardiovascular Baroreflex Sensitivity is Reduced in Middle-Aged and Older Men with Low Testosterone. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0