Tracy Baynard

List of Publications by Year
in descending order

106 papers	2,504 citations	212478 28 h-index	252626 46 g-index
106 all docs	106 docs citations	106 times ranked	3270 citing authors

#	Article	IF	Citations
1	Safety of maximal cardiopulmonary exercise testing in individuals with sickle cell disease: a systematic review. British Journal of Sports Medicine, 2022, 56, 764-769.	3.1	2
2	Predictive equations to estimate peak aerobic capacity and peak heart rate in persons with Down syndrome. Journal of Applied Physiology, 2022, 132, 423-433.	1.2	4
3	Rapid Onset Vasodilation: Impact of Cardiorespiratory Fitness. FASEB Journal, 2022, 36, .	0.2	0
4	Exercise and Hypercapnia Differentially Modify Ratios of Extracranial and Intracranial Pulsatility. FASEB Journal, 2022, 36, .	0.2	1
5	Comprehensive cardiopulmonary profile of individuals with Down syndrome. Journal of Intellectual Disability Research, 2022, 66, 978-987.	1.2	2
6	Assessment of Cerebrovascular Dynamics and Cognitive Function with Acute Aerobic Exercise in Persons with Multiple Sclerosis. International Journal of MS Care, 2021, 23, 162-169.	0.4	1
7	Anthropometry does not fully explain low fitness among adults with Down syndrome. Journal of Intellectual Disability Research, 2021, 65, 373-379.	1.2	11
8	Physiological Factors Important to Cardiorespiratory Fitness are Similar Between Breast Cancer Survivors and Controls. FASEB Journal, 2021, 35, .	0.2	1
9	The Effect of Aging on Carotid Artery Wall Dynamics During Acute Maximal Resistance Exercise. FASEB Journal, 2021, 35, .	0.2	0
10	Blunted autonomic response to standing up and head-up tilt in individuals with intellectual disabilities. Journal of Applied Physiology, 2021, 130, 1778-1785.	1.2	2
11	Hemodynamic Response to Isometric Handgrip Exercise in Adults with Intellectual Disability. Medicine and Science in Sports and Exercise, 2021, 53, 606-612.	0.2	4
12	Central and Peripheral Postexercise Blood Pressure and Vascular Responses in Young Adults with Obesity. Medicine and Science in Sports and Exercise, 2021, 53, 994-1002.	0.2	5
13	Oral vitamin C restores endothelial function during acute inflammation in young and older adults. Physiological Reports, 2021, 9, e15104.	0.7	4
14	Similar Effects of Acute Resistance Exercise on Carotid Stiffness in Males and Females. International Journal of Sports Medicine, 2020, 41, 82-88.	0.8	6
15	The Sickle Cell Pro-Inflammatory Response to Interval Testing Study (SPRINTS) in children and young adults with sickle cell anemia â€“ Study design and methodological strategies. Contemporary Clinical Trials Communications, 2020, 20, 100668.	0.5	2
16	Sympathetically mediated increases in cardiac output, not restraint of peripheral vasodilation, contribute to blood pressure maintenance during hyperinsulinemia. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H162-H170.	1.5	14
17	Aging reduces cerebral blood flow regulation following an acute hypertensive stimulus. Journal of Applied Physiology, 2020, 128, 1186-1195.	1.2	18
18	Physical activity and peak oxygen consumption are associated with walking in multiple sclerosis. Multiple Sclerosis and Related Disorders, 2020, 40, 101941.	0.9	5

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19	Relationship between Intrinsically Photosensitive Ganglion Cell Function and Circadian Regulation in Diabetic Retinopathy. Scientific Reports, 2020, 10, 1560.	1.6	15
20	Preserved ability to blunt sympatheticallyâ€mediated vasoconstriction in exercising skeletal muscle of young obese humans. Physiological Reports, 2019, 7, e14068.	0.7	3
21	Influence of neurovascular mechanisms on response to tDCS: an exploratory study. Experimental Brain Research, 2019, 237, 2829-2840.	0.7	3
22	No effect of fitness on brachial or forearm vascular function during acute inflammation in young adults. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R746-R753.	0.9	3
23	Impaired Regulation of Peripheral Blood Flow and Blood Pressure in Adults with Down Syndrome. FASEB Journal, 2019, 33, 746.7.	0.2	0
24	Sex Differences in Autonomic Response to Hand Grip Exercise Among Individuals with Intellectual Disability. FASEB Journal, 2019, 33, 853.2.	0.2	0
25	Influence of fitness and age on the endothelial response to acute inflammation. Experimental Physiology, 2018, 103, 924-931.	0.9	10
26	Do individuals with intellectual disability have a lower peak heart rate and maximal oxygen uptake?. Journal of Applied Research in Intellectual Disabilities, 2018, 31, 785-791.	1.3	10
27	Peripheral blood flow regulation in response to sympathetic stimulation in individuals with down syndrome. Artery Research, 2018, 24, 16.	0.3	15
28	Healthy aging and carotid performance: strain measures and Î²-stiffness index. Hypertension Research, 2018, 41, 748-755.	1.5	18
29	Measures of adiposity differentially correlate with C-reactive protein among persons with multiple sclerosis. Multiple Sclerosis and Related Disorders, 2018, 25, 1-4.	0.9	5
30	Mouse Testing Methods in Psychoneuroimmunology 2.0: Measuring Behavioral Responses. Methods in Molecular Biology, 2018, 1781, 221-258.	0.4	9
31	The Influence of Aging on Central Artery Stiffness and Cerebral Vascular Function Following an Acute Hypertensive Stimulus. FASEB Journal, 2018, 32, 713.18.	0.2	0
32	Impact of Aerobic Capacity, Age and Duration of Disease on Arterial Function in Individuals with Multiple Sclerosis. FASEB Journal, 2018, 32, 722.28.	0.2	0
33	Blunted Blood Pressure to Hand Grip Exercise in Individuals with Intellectual Disabilities: Preliminary Results. FASEB Journal, 2018, 32, 891.8.	0.2	0
34	Cerebral Blood Flow Characteristics Responses Following Acute Aerobic Exercise in Individuals with and without Down Syndrome. FASEB Journal, 2018, 32, 712.7.	0.2	0
35	The effect of acute maximal exercise on postexercise hemodynamics and central arterial stiffness in obese and normal-weight individuals. Physiological Reports, 2017, 5, e13226.	0.7	27
36	Physical activity, sedentary behavior, and aerobic capacity in persons with multiple sclerosis. Journal of the Neurological Sciences, 2017, 372, 342-346.	0.3	17

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37	Effect of acute aerobic exercise and histamine receptor blockade on arterial stiffness in African Americans and Caucasians. Journal of Applied Physiology, 2017, 122, 386-395.	1.2	11
38	Multimodal exercise training in multiple sclerosis: A randomized controlled trial in persons with substantial mobility disability. Contemporary Clinical Trials, 2017, 61, 39-47.	0.8	38
39	Effect of upper body position on arterial stiffness. Journal of Hypertension, 2017, 35, 2454-2461.	0.3	26
40	The implications of poor sleep quality on arterial health in persons with multiple sclerosis. Artery Research, 2017, 19, 49.	0.3	0
41	Autonomic Recovery Is Delayed in Chinese Compared with Caucasian following Treadmill Exercise. PLoS ONE, 2016, 11, e0147104.	1.1	6
42	Differential Post-Exercise Blood Pressure Responses between Blacks and Caucasians. PLoS ONE, 2016, 11, e0153445.	1.1	9
43	Effects of ageing and physical activity on blood pressure and endothelial function during acute inflammation. Experimental Physiology, 2016, 101, 962-971.	0.9	12
44	Aging, not age-associated inflammation, determines blood pressure and endothelial responses to acute inflammation. Journal of Hypertension, 2016, 34, 2402-2409.	0.3	10
45	Cardiac autonomic modulation and blood pressure responses to isometric handgrip and submaximal cycling exercise in individuals with down syndrome. Clinical Autonomic Research, 2016, 26, 253-260.	1.4	10
46	The Role of Body Habitus in Predicting Cardiorespiratory Fitness: The FRIEND Registry. International Journal of Sports Medicine, 2016, 37, 863-869.	0.8	15
47	Normal HR with Tilt, Yet Autonomic Dysfunction in Persons with Down Syndrome. Medicine and Science in Sports and Exercise, 2015, 47, 250-256.	0.2	11
48	Age-related ventricularâ€“vascular coupling during acute inflammation in humans: Effect of physical activity. European Journal of Preventive Cardiology, 2015, 22, 904-911.	0.8	5
49	The effects of high fat diet and moderate exercise on TGFÎ²1 and collagen deposition in mouse skeletal muscle. Cytokine, 2015, 73, 23-29.	1.4	33
50	Experimental protocol of a randomized controlled clinical trial investigating exercise, subclinical atherosclerosis, and walking mobility in persons with multiple sclerosis. Contemporary Clinical Trials, 2015, 41, 280-286.	0.8	12
51	Blood Pressure Changes Following Aerobic Exercise in Caucasian and Chinese Descendants. International Journal of Sports Medicine, 2015, 36, 189-196.	0.8	7
52	Impact of obesity and Down syndrome on peak heart rate and aerobic capacity in youth and adults. Research in Developmental Disabilities, 2015, 36, 198-206.	1.2	24
53	Defining the System: Contributors to Exercise Limitations in Heart Failure. Heart Failure Clinics, 2015, 11, 1-16.	1.0	21
54	Caffeine delays autonomic recovery following acute exercise. European Journal of Preventive Cardiology, 2015, 22, 1473-1479.	0.8	47

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55	Racial Differences in Macrovascular and Microvascular Function Following Acute Antioxidant Supplementation. FASEB Journal, 2015, 29, 803.9.	0.2	0
56	Moderate exercise training provides modest protection against adipose tissue inflammatory gene expression in response to high-fat feeding. Physiological Reports, 2014, 2, e12071.	0.7	48
57	Cardiovagal Modulation and Efficacy of Aerobic Exercise Training in Obese Individuals. Medicine and Science in Sports and Exercise, 2014, 46, 369-375.	0.2	12
58	Effects of aerobic, resistance and balance training in adults with intellectual disabilities. Research in Developmental Disabilities, 2014, 35, 2624-2634.	1.2	50
59	Children and adolescents with Down syndrome, physical fitness and physical activity. Journal of Sport and Health Science, 2013, 2, 47-57.	3.3	128
60	Resting and post exercise arterialâ€“ventricular coupling in endurance-trained men and women. Journal of Human Hypertension, 2013, 27, 552-556.	1.0	10
61	Reduced Work Capacity in Individuals with Down Syndrome. Exercise and Sport Sciences Reviews, 2013, 41, 138-147.	1.6	64
62	Low frequency power spectrum is associated with baroreceptor sensitivity in obese individuals during paced breathing. FASEB Journal, 2013, 27, 928.3.	0.2	0
63	Vascular Dysfunction and Physical Activity in Multiple Sclerosis. Medicine and Science in Sports and Exercise, 2012, 44, 238-243.	0.2	62
64	Exercise Training Effects on Inflammatory Gene Expression in White Adipose Tissue of Young Mice. Mediators of Inflammation, 2012, 2012, 1-7.	1.4	37
65	Aortic reservoir function, estimated myocardial demand and coronary perfusion pressure following steadyâ€state and interval exercise. Clinical Physiology and Functional Imaging, 2012, 32, 353-360.	0.5	6
66	Mouse Testing Methods in Psychoneuroimmunology: An Overview of How to Measure Sickness, Depressive/Anxietal, Cognitive, and Physical Activity Behaviors. Methods in Molecular Biology, 2012, 934, 243-276.	0.4	22
67	Exercise training improves hemodynamic recovery to isometric exercise in obese men with type 2 diabetes but not in obese women. Metabolism: Clinical and Experimental, 2012, 61, 1739-1746.	1.5	9
68	The effect of progressive resistance training on leg strength, aerobic capacity and functional tasks of daily living in persons with Down syndrome. Disability and Rehabilitation, 2011, 33, 2229-2236.	0.9	75
69	Heart rate complexity in response to upright tilt in persons with Down syndrome. Research in Developmental Disabilities, 2011, 32, 2102-2107.	1.2	14
70	Body composition, muscle strength, functional capacity, and physical disability risk in liver transplanted familial amyloidotic polyneuropathy patients. Clinical Transplantation, 2011, 25, E406-14.	0.8	8
71	Physical Fitness Predicts Functional Tasks in Individuals with Down Syndrome. Medicine and Science in Sports and Exercise, 2010, 42, 388-393.	0.2	102
72	Exercise training improves cardiovascular autonomic modulation in response to glucose ingestion in obese adults with and without type 2 diabetes mellitus. Metabolism: Clinical and Experimental, 2010, 59, 901-910.	1.5	39

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73	Postexercise Hypotension in an Endurance-Trained Population of Men and Women Following High-Intensity Interval and Steady-State Cycling. American Journal of Hypertension, 2010, 23, 358-367.	1.0	62
74	Response to "High-Intensity Interval vs. Moderate Steady-State Exercise". American Journal of Hypertension, 2010, 23, 813-813.	1.0	0
75	Autonomic response to upright tilt in people with and without Down syndrome. Research in Developmental Disabilities, 2010, 31, 857-863.	1.2	32
76	Catecholamine Response to Maximal Exercise in Persons With Down Syndrome. American Journal of Cardiology, 2009, 103, 724-726.	0.7	54
77	Short-term exercise training improves aerobic capacity with no change in arterial function in obesity. European Journal of Applied Physiology, 2009, 107, 299-308.	1.2	33
78	Plasticity of heart rate signalling and complexity with exercise training in obese individuals with and without type 2 diabetes. International Journal of Obesity, 2009, 33, 1198-1206.	1.6	26
79	Sex differences in the relationship between obesity, C-reactive protein, physical activity, depression, sleep quality and fatigue in older adults. Brain, Behavior, and Immunity, 2009, 23, 643-648.	2.0	60
80	Reduction in trunk fat predicts cardiovascular exercise training-related reductions in C-reactive protein. Brain, Behavior, and Immunity, 2009, 23, 485-491.	2.0	42
81	Effects of exercise and low-fat diet on adipose tissue inflammation and metabolic complications in obese mice. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E1164-E1171.	1.8	169
82	Vascular function is impaired early after the initiation of chronic cigarette smoking. Artery Research, 2009, 3, 111.	0.3	0
83	Complexity of force output during static exercise in individuals with Down syndrome. Journal of Applied Physiology, 2009, 106, 1227-1233.	1.2	31
84	Shortâ€term aerobic exercise training decreases Glucagonâ€like Peptideâ€1 in obese individuals. FASEB Journal, 2009, 23, 955.5.	0.2	0
85	Autonomic responses to physiological stressors in women with type 2 diabetes. Clinical Autonomic Research, 2008, 18, 66-73.	1.4	9
86	Shortâ€term Training Effects on Diastolic Function in Obese Persons With the Metabolic Syndrome. Obesity, 2008, 16, 1277-1283.	1.5	23
87	Age-Related Changes in Aerobic Capacity in Individuals with Mental Retardation. Medicine and Science in Sports and Exercise, 2008, 40, 1984-1989.	0.2	98
88	Impaired postexercise cardiovascular autonomic modulation in middle-aged women with type 2 diabetes. European Journal of Cardiovascular Prevention and Rehabilitation, 2007, 14, 237-243.	3.1	19
89	The effects of a glucose load and sympathetic challenge on autonomic function in obese women with and without type 2 diabetes mellitus. Metabolism: Clinical and Experimental, 2007, 56, 778-785.	1.5	19
90	An Exploratory Study of Cardiac Function and Oxygen Uptake During Cycle Ergometry in Overweight Children**. Obesity, 2007, 15, 2673-2682.	1.5	8

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91	Endurance training improves post-exercise cardiac autonomic modulation in obese women with and without type 2 diabetes. European Journal of Applied Physiology, 2007, 100, 437-444.	1.2	93
92	Fibrinolytic markers and vasodilatory capacity following acute exercise among men of differing training status. European Journal of Applied Physiology, 2007, 101, 595-602.	1.2	16
93	Cardiac Autonomic Control in Individuals With Down Syndrome. American Journal on Intellectual and Developmental Disabilites, 2006, 111, 27.	2.7	39
94	Impaired Cardiovascular Autonomic Modulation After Walking in Middle-aged Women With Type 2 Diabetes. Medicine and Science in Sports and Exercise, 2006, 38, S18.	0.2	1
95	Impaired vagal modulation of heart rate in individuals with Down syndrome. Clinical Autonomic Research, 2005, 15, 45-50.	1.4	63
96	Resting Metabolic Rate is Not Reduced in Obese Adults With Down Syndrome. Mental Retardation, 2005, 43, 391-400.	1.1	27
97	Baroreflex Sensitivity during Static Exercise in Individuals with Down Syndrome. Medicine and Science in Sports and Exercise, 2005, 37, 2026-2031.	0.2	27
98	Effect of a single vs multiple bouts of exercise on glucose control in women with type 2 diabetes. Metabolism: Clinical and Experimental, 2005, 54, 989-994.	1.5	33
99	Blunted heart rate response to upright tilt in people with Down syndrome. Archives of Physical Medicine and Rehabilitation, 2005, 86, 813-818.	0.5	32
100	Effects of diet and/or exercise on the adipocytokine and inflammatory cytokine levels of postmenopausal women with type 2 diabetes. Metabolism: Clinical and Experimental, 2005, 54, 866-875.	1.5	174
101	Heart rate variability at rest and during exercise in persons with down syndrome11No commercial party having a direct financial interest in the results of the research supporting this article has or will confer a benefit upon the author(s) or upon any organization with which the author(s) is/are associated.. Archives of Physical Medicine and Rehabilitation, 2004, 85, 1285-1290.	0.5	74
102	Determination of Ventilatory Threshold in Adolescents with Mental Retardation, with and Without Down Syndrome. Pediatric Exercise Science, 2004, 16, 126-137.	0.5	7
103	Effects of exercise on vasodilatory capacity in endurance- and resistance-trained men. European Journal of Applied Physiology, 2003, 89, 69-73.	1.2	21
104	THE EFFECT OF HANDGRIP EXERCISE ON HEART RATE VARIABILITY IN DOWN SYNDROME. Medicine and Science in Sports and Exercise, 2003, 35, S319.	0.2	1
105	Left ventricular response to dynamic exercise in young cyclists. Medicine and Science in Sports and Exercise, 2002, 34, 637-642.	0.2	11
106	Racial Differences in Left Ventricular Filling Pressure Following Acute Aerobic Exercise Between Chinese and Caucasians. Journal of Science in Sport and Exercise, 0, , 1.	0.4	0