

# Sean C Newcomer

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,524  
citations

471061

17  
h-index

301761

39  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1540  
citing authors

#	ARTICLE	IF	CITATIONS
1	Importance of hemodynamic forces as signals for exercise-induced changes in endothelial cell phenotype. <i>Journal of Applied Physiology</i> , 2008, 104, 588-600.	1.2	281
2	Impact of Shear Rate Modulation on Vascular Function in Humans. <i>Hypertension</i> , 2009, 54, 278-285.	1.3	257
3	Different vasodilator responses of human arms and legs. <i>Journal of Physiology</i> , 2004, 556, 1001-1011.	1.3	126
4	Impaired leg vasodilation during dynamic exercise in healthy older women. <i>Journal of Applied Physiology</i> , 2003, 95, 1963-1970.	1.2	98
5	Leg blood flow during submaximal cycle ergometry is not reduced in healthy older normally active men. <i>Journal of Applied Physiology</i> , 2003, 94, 1859-1869.	1.2	80
6	Adjusting Flow-Mediated Dilation for Shear Stress Stimulus Allows Demonstration of Endothelial Dysfunction in a Population with Moderate Cardiovascular Risk. <i>Journal of Vascular Research</i> , 2009, 46, 592-600.	0.6	66
7	Impact of Maternal Exercise during Pregnancy on Offspring Chronic Disease Susceptibility. <i>Exercise and Sport Sciences Reviews</i> , 2015, 43, 198-203.	1.6	52
8	Gestational exercise protects adult male offspring from high-fat diet-induced hepatic steatosis. <i>Journal of Hepatology</i> , 2016, 64, 171-178.	1.8	52
9	Blood Flow to Exercising Limbs Varies With Age, Gender, and Training Status. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2005, 30, 554-575.	1.7	40
10	Is There a Difference in Vascular Reactivity of the Arms and Legs?. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 1819-1828.	0.2	40
11	Acute impact of intermittent pneumatic leg compression frequency on limb hemodynamics, vascular function, and skeletal muscle gene expression in humans. <i>Journal of Applied Physiology</i> , 2012, 112, 2099-2109.	1.2	39
12	Leg Blood Flow and $\dot{V}O_2$ during Peak Cycle Exercise in Younger and Older Women. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, 623-631.	0.2	38
13	Perivascular Fat Alters Reactivity of Coronary Artery. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 2125-2134.	0.2	36
14	New insights into the physiologic basis for intermittent pneumatic limb compression as a therapeutic strategy for peripheral artery disease. <i>Journal of Vascular Surgery</i> , 2013, 58, 1688-1696.	0.6	29
15	Effect of High-Calcium Diet on Coronary Artery Disease in Ossabaw Miniature Swine With Metabolic Syndrome. <i>Journal of the American Heart Association</i> , 2015, 4, e001620.	1.6	24
16	Effects of chronic nitric oxide synthase inhibition on responses to acute exercise in swine. <i>Journal of Applied Physiology</i> , 2008, 104, 186-197.	1.2	23
17	Characterization of Activity and Cardiovascular Responses During Surfing in Recreational Male Surfers Between the Ages of 18 and 75 Years Old. <i>Journal of Aging and Physical Activity</i> , 2017, 25, 182-188.	0.5	19
18	Endothelium-dependent and -independent relaxation in the forelimb and hindlimb vasculatures of swine. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2007, 148, 292-300.	0.8	16

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19	Newly Standing Infants Increase Postural Stability When Performing a Supra-Postural Task. PLoS ONE, 2013, 8, e71288.	1.1	16
20	Mother's exercise during pregnancy programmes vasomotor function in adult offspring. Experimental Physiology, 2014, 99, 205-219.	0.9	16
21	Physiological Profile of Male Competitive and Recreational Surfers. Journal of Strength and Conditioning Research, 2018, 32, 372-378.	1.0	16
22	Heart Rate Responses of High School Students Participating in Surfing Physical Education. Journal of Strength and Conditioning Research, 2016, 30, 1721-1726.	1.0	15
23	Characterisation of regional skin temperatures in recreational surfers wearing a 2-mm wetsuit. Ergonomics, 2018, 61, 729-735.	1.1	13
24	Intermittent pneumatic leg compressions enhance muscle performance and blood flow in a model of peripheral arterial insufficiency. Journal of Applied Physiology, 2012, 112, 1556-1563.	1.2	12
25	Gene expression differences in healthy brachial and femoral arteries of Rapacz familial hypercholesterolemic swine. Physiological Genomics, 2011, 43, 781-788.	1.0	11
26	Increasing surfboard volume reduces energy expenditure during paddling. Ergonomics, 2017, 60, 1255-1260.	1.1	11
27	Skin Temperatures in Females Wearing a 2 mm Wetsuit during Surfing. Sports, 2019, 7, 145.	0.7	10
28	Gene expression differences during the heterogeneous progression of peripheral atherosclerosis in familial hypercholesterolemic swine. BMC Genomics, 2013, 14, 443.	1.2	9
29	Maternal Exercise Does Not Significantly Alter Adult Rat Offspring Vascular Function. Medicine and Science in Sports and Exercise, 2015, 47, 2340-2346.	0.2	9
30	Relationship between brachial and femoral artery endothelial vasomotor function/phenotype in pigs. Experimental Biology and Medicine, 2010, 235, 1287-1291.	1.1	8
31	Impact of chronic intermittent external compressions on forearm blood flow capacity in humans. European Journal of Applied Physiology, 2011, 111, 509-519.	1.2	8
32	Altered resting hemodynamics in lower-extremity arteries of individuals with spinal cord injury. Journal of Spinal Cord Medicine, 2013, 36, 104-111.	0.7	8
33	Heart rate and thermal responses to power yoga. Complementary Therapies in Clinical Practice, 2018, 32, 195-199.	0.7	6
34	Electromyographic Analysis of the Surf Paddling Stroke Across Multiple Intensities. Journal of Strength and Conditioning Research, 2019, 33, 1102-1110.	1.0	6
35	Effect of wetsuit outer surface material on thermoregulation during surfing. Sports Engineering, 2020, 23, 1.	0.5	6
36	The effect of foil on paddling efficiency in a short surfboard. Sports Engineering, 2018, 21, 11-19.	0.5	5

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37	Differences in Vo 2peak of Surfers When Paddling in Water vs. on a Swimbench Ergometer. Journal of Strength and Conditioning Research, 2019, 33, 1095-1101.	1.0	4
38	Surfing equipment and design: a scoping review. Sports Engineering, 2021, 24, 1.	0.5	4
39	Wearing an Inflatable Vest Alters Muscle Activation and Trunk Angle While Paddling a Surfboard. Journal of Applied Biomechanics, 2017, 33, 282-287.	0.3	3
40	Energetics of Swimming With Hand Paddles of Different Surface Areas. Journal of Strength and Conditioning Research, 2021, 35, 205-211.	1.0	3
41	Thermoregulatory sex differences among surfers during a simulated surf session. Sports Engineering, 2021, 24, 1.	0.5	3
42	Racket sports as a model of studying vascular adaptations: a comeback after a quarter of a century. Journal of Applied Physiology, 2011, 110, 1156-1157.	1.2	2
43	Shear rates in the brachial and femoral arteries of swine. FASEB Journal, 2007, 21, A1369.	0.2	1
44	Heart Rate Response, Duration, Grip Strength, and Anthropometric Characteristics in Recreational Indoor Rock Climbers. Journal of Strength and Conditioning Research, 2020, Publish Ahead of Print, 832-837.	1.0	1
45	Characterization of Adult Heart Rate Responses During Recreational Skateboarding at Community Skateparks. International Journal of Exercise Science, 2020, 13, 501-510.	0.5	1
46	Foamed neoprene versus thermoplastic elastomer as a wetsuit material: a comparison of skin temperature, biomechanical, and physiological variables. Sports Engineering, 2022, 25, .	0.5	1
47	A Comparison of Balance and Postural Sway in Surfers vs. Non Surfers. Medicine and Science in Sports and Exercise, 2015, 47, 311.	0.2	0
48	Impact of Velcro Cuff Closure on Forearm Skin Temperature in Surfers Wearing a 2 mm and 3 mm Wetsuit. International Journal of Exercise Science, 2020, 13, 1574-1582.	0.5	0
49	Fluid Loss in Recreational Surfers. International Journal of Exercise Science, 2021, 14, 423-434.	0.5	0