

# Philip S Clifford

## List of Publications by Year in descending order

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94  
papers

3,061  
citations

147726

31  
h-index

175177

52  
g-index

94  
all docs

94  
docs citations

94  
times ranked

2222  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vasodilatory mechanisms in contracting skeletal muscle. <i>Journal of Applied Physiology</i> , 2004, 97, 393-403.	1.2	348
2	Intensity and duration threshold for aerobic exercise-induced analgesia to pressure pain. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004, 85, 1183-1187.	0.5	164
3	The Paradox of Sympathetic Vasoconstriction in Exercising Skeletal Muscle. <i>Exercise and Sport Sciences Reviews</i> , 2001, 29, 159-163.	1.6	120
4	Mechanical compression elicits vasodilatation in rat skeletal muscle feed arteries. <i>Journal of Physiology</i> , 2006, 572, 561-567.	1.3	112
5	Effect of head-out water immersion on cardiorespiratory response to dynamic exercise. <i>Journal of the American College of Cardiology</i> , 1987, 10, 1254-1258.	1.2	93
6	Experimentally induced pain perception is acutely reduced by aerobic exercise in people with chronic low back pain. <i>Journal of Rehabilitation Research and Development</i> , 2005, 42, 183.	1.6	90
7	Skeletal muscle vasodilatation at the onset of exercise. <i>Journal of Physiology</i> , 2007, 583, 825-833.	1.3	90
8	Rapid vasodilation in response to a brief tetanic muscle contraction. <i>Journal of Applied Physiology</i> , 1999, 87, 1741-1746.	1.2	76
9	Exercise attenuates $\hat{\imath}$ -adrenergic-receptor responsiveness in skeletal muscle vasculature. <i>Journal of Applied Physiology</i> , 2001, 90, 172-178.	1.2	76
10	Local control of blood flow. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2011, 35, 5-15.	0.8	76
11	Sympathetic vasoconstriction in active skeletal muscles during dynamic exercise. <i>Journal of Applied Physiology</i> , 1997, 83, 1575-1580.	1.2	68
12	Spatial Distribution and Mechanical Function of Elastin in Resistance Arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2889-2896.	1.1	68
13	Maximal inspiratory pressure following maximal exercise in trained and untrained subjects. <i>Medicine and Science in Sports and Exercise</i> , 1990, 22, 811.	0.2	63
14	Arterial blood pressure response to rowing. <i>Medicine and Science in Sports and Exercise</i> , 1994, 26, 715-719.	0.2	62
15	Poling forces during roller skiing: effects of technique and speed. <i>Medicine and Science in Sports and Exercise</i> , 1998, 30, 1645-1653.	0.2	60
16	Vasodilatation is obligatory for contraction-induced hyperaemia in canine skeletal muscle. <i>Journal of Physiology</i> , 2004, 557, 1013-1020.	1.3	58
17	$\hat{\imath}$ -Adrenergic vasoconstriction in active skeletal muscles during dynamic exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 277, H33-H39.	1.5	53
18	Physiological responses to different cross country skiing techniques on level terrain. <i>Medicine and Science in Sports and Exercise</i> , 1990, 22, 841.	0.2	52

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19	Role of nitric oxide in exercise sympatholysis. <i>Journal of Applied Physiology</i> , 2004, 97, 417-423.	1.2	49
20	Mechanical activation of angiotensin II type 1 receptors causes actin remodelling and myogenic responsiveness in skeletal muscle arterioles. <i>Journal of Physiology</i> , 2016, 594, 7027-7047.	1.3	49
21	Muscle blood flow response to contraction: influence of venous pressure. <i>Journal of Applied Physiology</i> , 2005, 98, 72-76.	1.2	47
22	The future of graduate and postdoctoral training in the biosciences. <i>ELife</i> , 2017, 6, .	2.8	47
23	Muscle pump does not enhance blood flow in exercising skeletal muscle. <i>Journal of Applied Physiology</i> , 2003, 94, 6-10.	1.2	42
24	Skeletal muscle vasodilation at the onset of exercise. <i>Journal of Applied Physiology</i> , 1998, 85, 1649-1654.	1.2	38
25	Attenuated vascular responsiveness to noradrenaline release during dynamic exercise in dogs. <i>Journal of Physiology</i> , 2002, 541, 637-644.	1.3	38
26	Rapid Vascular Responses to Muscle Contraction. <i>Exercise and Sport Sciences Reviews</i> , 2008, 36, 25-29.	1.6	38
27	Physiological aspects of competitive cross-country skiing. <i>Journal of Sports Sciences</i> , 1992, 10, 3-27.	1.0	37
28	Autonomic control of skeletal muscle blood flow at the onset of exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 277, H1872-H1877.	1.5	37
29	Poling forces during roller skiing: effects of grade. <i>Medicine and Science in Sports and Exercise</i> , 1998, 30, 1637-1644.	0.2	36
30	Is the blood flow response to a single contraction determined by work performed?. <i>Journal of Applied Physiology</i> , 2004, 96, 2146-2152.	1.2	35
31	Thermal Pain Perception After Aerobic Exercise. <i>Archives of Physical Medicine and Rehabilitation</i> , 2005, 86, 1019-1023.	0.5	35
32	Influence of Body Mass on Energy Cost of Roller Skiing. <i>International Journal of Sport Biomechanics</i> , 1990, 6, 374-385.	2.0	33
33	$\beta_1$ -Adrenergic-receptor responsiveness in skeletal muscle during dynamic exercise. <i>Journal of Applied Physiology</i> , 1998, 85, 2277-2283.	1.2	31
34	Integration of Central and Peripheral Regulation of the Circulation during Exercise: Acute and Chronic Adaptations. , 2017, 8, 103-151.		31
35	Blood flow response to muscle contractions is more closely related to metabolic rate than contractile work. <i>Journal of Applied Physiology</i> , 2005, 98, 2096-2100.	1.2	29
36	Putting PhDs to Work: Career Planning for Today's Scientist. <i>CBE Life Sciences Education</i> , 2014, 13, 49-53.	1.1	29

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37	Physiological comparison of uphill roller skiing. <i>Medicine and Science in Sports and Exercise</i> , 1994, 26, 1284-1289.	0.2	28
38	Vasoconstriction in active skeletal muscles: a potential role for P2X purinergic receptors?. <i>Journal of Applied Physiology</i> , 2003, 95, 953-959.	1.2	28
39	Does the amount of exercising muscle alter the aerobic demand of dynamic exercise?. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1996, 74, 541-547.	1.2	27
40	Relationships among heart rate, lactate concentration, and perceived effort for different types of rhythmic exercise in women. <i>Archives of Physical Medicine and Rehabilitation</i> , 1996, 77, 237-241.	0.5	27
41	Renal hemodynamic responses to dynamic exercise in rabbits. <i>Journal of Applied Physiology</i> , 1998, 85, 1605-1614.	1.2	26
42	Elevated temperature decreases sensitivity of P2X purinergic receptors in skeletal muscle arteries. <i>Journal of Applied Physiology</i> , 2005, 99, 995-998.	1.2	26
43	Sympathetic restraint of muscle blood flow at the onset of dynamic exercise. <i>Journal of Applied Physiology</i> , 2002, 92, 2452-2456.	1.2	24
44	Do P2X purinergic receptors regulate skeletal muscle blood flow during exercise?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H633-H639.	1.5	24
45	Delta Efficiency of Uphill Roller Skiing With the Double Pole and Diagonal Stride Techniques. <i>Applied Physiology, Nutrition, and Metabolism</i> , 1995, 20, 465-479.	1.7	23
46	Vasoconstriction in exercising skeletal muscles: a potential role for neuropeptide Y?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H144-H149.	1.5	23
47	Development of Baroreflex Control of Heart Rate in Swine. <i>Pediatric Research</i> , 1990, 27, 148-152.	1.1	22
48	Neuropeptide Y1 receptor vasoconstriction in exercising canine skeletal muscles. <i>Journal of Applied Physiology</i> , 2005, 99, 2115-2120.	1.2	22
49	Effect of Velocity on Cycle Rate and Length for Three Roller Skiing Techniques. <i>Journal of Applied Biomechanics</i> , 1995, 11, 257-266.	0.3	21
50	Autonomic control of skeletal muscle vasodilation during exercise. <i>Journal of Applied Physiology</i> , 1997, 83, 2037-2042.	1.2	21
51	Effect of rolling resistance on poling forces and metabolic demands of roller skiing. <i>Medicine and Science in Sports and Exercise</i> , 1998, 30, 755-762.	0.2	21
52	Positional differences in reactive hyperemia provide insight into initial phase of exercise hyperemia. <i>Journal of Applied Physiology</i> , 2015, 119, 569-575.	1.2	20
53	Acidosis attenuates P2X purinergic vasoconstriction in skeletal muscle arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H129-H132.	1.5	19
54	Physiological effects of technique and rolling resistance in uphill roller skiing. <i>Medicine and Science in Sports and Exercise</i> , 1998, 30, 311-317.	0.2	19

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55	Dynamic exercise attenuates sympathetic responsiveness of canine vascular smooth muscle. <i>Journal of Applied Physiology</i> , 2000, 89, 2294-2299.	1.2	17
56	Elevation in resting blood flow attenuates exercise hyperemia. <i>Journal of Applied Physiology</i> , 2002, 93, 134-140.	1.2	17
57	Endogenous vascular remodeling in ischemic skeletal muscle: a role for nitric oxide. <i>Journal of Applied Physiology</i> , 2003, 94, 935-940.	1.2	17
58	Physiological Responses to Specific Maximal Exercise Tests for Cross-Country Skiing. <i>Applied Physiology, Nutrition, and Metabolism</i> , 1993, 18, 359-365.	1.7	16
59	Muscle chemoreflex increases renal sympathetic nerve activity during exercise. <i>Journal of Applied Physiology</i> , 1997, 82, 1818-1825.	1.2	16
60	Small Artery Elastin Distribution and Architecture—Focus on Three Dimensional Organization. <i>Microcirculation</i> , 2016, 23, 614-620.	1.0	14
61	Physiologic comparison of forward and reverse wheelchair propulsion. <i>Archives of Physical Medicine and Rehabilitation</i> , 1998, 79, 36-40.	0.5	12
62	Leveraging a collaborative consortium model of mentee/mentor—training to foster career progression of underrepresented postdoctoral researchers and promote institutional diversity and inclusion. <i>PLoS ONE</i> , 2020, 15, e0238518.	1.1	12
63	Brief serotonin exposure initiates arteriolar inward remodeling processes in vivo that involve transglutaminase activation and actin cytoskeleton reorganization. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H188-H198.	1.5	11
64	Acute effects of ski waxing on pulmonary function. <i>Medicine and Science in Sports and Exercise</i> , 1997, 29, 1379-1382.	0.2	10
65	Counterpoint: The muscle pump is not an important determinant of muscle blood flow during exercise. <i>Journal of Applied Physiology</i> , 2005, 99, 372-4; discussion 374-5.	1.2	9
66	An individual development plan will help you get where you want to go. <i>Physiologist</i> , 2013, 56, 43-4.	0.0	9
67	Functional anatomy of the vagal innervation of the cervical trachea of the dog. <i>Journal of Applied Physiology</i> , 2000, 89, 139-142.	1.2	7
68	Parasympathetic innervation of canine tracheal smooth muscle. <i>Journal of Applied Physiology</i> , 2001, 90, 23-28.	1.2	6
69	±-Adrenergic receptor-mediated restraint of skeletal muscle blood flow during prolonged exercise. <i>Journal of Applied Physiology</i> , 2006, 100, 1563-1568.	1.2	6
70	Frequency and pattern dependence of adrenergic and purinergic vasoconstriction in rat skeletal muscle arteries. <i>Experimental Physiology</i> , 2006, 91, 1051-1058.	0.9	6
71	Development of an Image-Based System for Measurement of Membrane Potential, Intracellular Ca <sup>2+</sup> and Contraction in Arteriolar Smooth Muscle Cells. <i>Microcirculation</i> , 2010, 17, 629-640.	1.0	6
72	Tracheal tone and the role of ionotropic glutamate receptors in the nucleus ambiguus. <i>Brain Research</i> , 2004, 1021, 54-62.	1.1	5

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73	Feedforward vasodilatation at the onset of exercise. <i>Journal of Physiology</i> , 2007, 583, 811-811.	1.3	5
74	Central and Peripheral Postexercise Blood Pressure and Vascular Responses in Young Adults with Obesity. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 994-1002.	0.2	5
75	Arteriolar vasodilation involves actin depolymerization. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H423-H428.	1.5	4
76	Laser revascularization of ischemic skeletal muscle. <i>Journal of Surgical Research</i> , 2003, 115, 257-264.	0.8	3
77	$\hat{\pm}$ -Adrenergic receptor responsiveness is preserved during prolonged exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H392-H398.	1.5	3
78	Preserved ability to blunt sympathetically mediated vasoconstriction in exercising skeletal muscle of young obese humans. <i>Physiological Reports</i> , 2019, 7, e14068.	0.7	3
79	RESPIRATORY ALTERATIONS WITH INTRAPERICARDIAL PROCAINE IN THE CONSCIOUS RABBIT. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1993, 20, 753-762.	0.9	2
80	Tripartite function of ATP in vascular signalling. <i>Journal of Physiology</i> , 2008, 586, 4783-4784.	1.3	2
81	Does the amount of exercising muscle alter the aerobic demand of dynamic exercise?. <i>European Journal of Applied Physiology</i> , 1996, 74, 541-547.	1.2	2
82	Reactive hyperaemia augments local heat induced skin hyperaemia. <i>Experimental Physiology</i> , 2022, 107, 383-389.	0.9	2
83	Attenuated sympathetic vasoconstriction in contracting muscles: just say NO. <i>Journal of Physiology</i> , 2002, 540, 2-2.	1.3	1
84	Biobusiness consulting to prepare scientists for industry careers. <i>Nature Biotechnology</i> , 2019, 37, 821-825.	9.4	1
85	Limb position affects magnitude of reactive hyperemia. <i>FASEB Journal</i> , 2010, 24, 804.12.	0.2	1
86	Role of Nitric Oxide and $\hat{\pm}$ -Adrenergic Receptor Responsiveness in Exercising Skeletal Muscle. <i>Journal of Applied Physiology</i> , 2005, 98, 1584-1585.	1.2	0
87	Isoflurane abolishes purinergic receptor mediated restraint of skeletal muscle blood flow. <i>FASEB Journal</i> , 2007, 21, A886.	0.2	0
88	Differential effects of collagenase and elastase on arteriolar vasomotor responses. <i>FASEB Journal</i> , 2009, 23, 951.5.	0.2	0
89	Non $\hat{\pm}$ -adrenergic receptor mediated tonic vasoconstriction in skeletal muscle does not change with age. <i>FASEB Journal</i> , 2009, 23, 787.11.	0.2	0
90	How the National Postdoctoral Association Can Help You to Maximize Your Postdoc Experience.. <i>Biology of Reproduction</i> , 2010, 83, 45-45.	1.2	0

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91	Age-Related Changes in the Expression of Elastin in Small cerebral and Mesenteric Arteries. FASEB Journal, 2012, 26, 861.4.	0.2	0
92	Development of the elastin network in the walls of resistance arteries from neonatal and adult rats. FASEB Journal, 2013, 27, 679.8.	0.2	0
93	Endothelium Mediated Dilation Does Not Blunt $\alpha$ 1-adrenergic Vasoconstriction in First Order Arterioles. FASEB Journal, 2018, 32, 726.5.	0.2	0
94	Spectral Changes in Skin Blood Flow Do Not Reflect Pressure Manipulations. FASEB Journal, 2022, 36, .	0.2	0