

# Philip M Gallagher

## List of Publications by Year in descending order

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63  
papers

3,198  
citations

236833

25  
h-index

161767

54  
g-index

65  
all docs

65  
docs citations

65  
times ranked

3377  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exercise in space: human skeletal muscle after 6 months aboard the International Space Station. <i>Journal of Applied Physiology</i> , 2009, 106, 1159-1168.	1.2	354
2	Single Muscle Fibre Contractile Properties in Young and Old Men and Women. <i>Journal of Physiology</i> , 2003, 552, 47-58.	1.3	278
3	Prolonged space flight-induced alterations in the structure and function of human skeletal muscle fibres. <i>Journal of Physiology</i> , 2010, 588, 3567-3592.	1.3	254
4	Mitogen-activated protein kinase (MAPK) pathway activation: effects of age and acute exercise on human skeletal muscle. <i>Journal of Physiology</i> , 2003, 547, 977-987.	1.3	231
5	Human single muscle fibre function with 84 day bed-rest and resistance exercise. <i>Journal of Physiology</i> , 2004, 557, 501-513.	1.3	215
6	Resistance training improves single muscle fiber contractile function in older women. <i>American Journal of Physiology - Cell Physiology</i> , 2001, 281, C398-C406.	2.1	147
7	??-hydroxy-??-methylbutyrate ingestion, Part I: effects on strength and fat free mass. <i>Medicine and Science in Sports and Exercise</i> , 2000, 32, 2109-2115.	0.2	140
8	Influence of muscle glycogen availability on ERK1/2 and Akt signaling after resistance exercise in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2005, 99, 950-956.	1.2	125
9	Reduction in hybrid single muscle fiber proportions with resistance training in humans. <i>Journal of Applied Physiology</i> , 2001, 91, 1955-1961.	1.2	124
10	Single muscle fiber adaptations with marathon training. <i>Journal of Applied Physiology</i> , 2006, 101, 721-727.	1.2	115
11	Metabolic Response During Sport Rock Climbing and the Effects of Active Versus Passive Recovery. <i>International Journal of Sports Medicine</i> , 2000, 21, 185-190.	0.8	101
12	Targeting protein homeostasis in sporadic inclusion body myositis. <i>Science Translational Medicine</i> , 2016, 8, 331ra41.	5.8	99
13	Focal adhesion kinase and its role in skeletal muscle. <i>Journal of Muscle Research and Cell Motility</i> , 2015, 36, 305-315.	0.9	94
14	Resistance training preserves skeletal muscle function during unloading in humans. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 303-313.	0.2	87
15	Effects of 84-days of bedrest and resistance training on single muscle fibre myosin heavy chain distribution in human vastus lateralis and soleus muscles. <i>Acta Physiologica Scandinavica</i> , 2005, 185, 61-69.	2.3	82
16	Effects of postexercise carbohydrate-protein feedings on muscle glycogen restoration. <i>Journal of Applied Physiology</i> , 2000, 88, 1976-1982.	1.2	66
17	Skeletal muscle characteristics of people with multiple sclerosis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2005, 86, 224-229.	0.5	66
18	??-hydroxy-??-methylbutyrate ingestion, Part II: effects on hematology, hepatic and renal function. <i>Medicine and Science in Sports and Exercise</i> , 2000, 32, 2116-2119.	0.2	64

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19	Single muscle fiber contractile properties during a competitive season in male runners. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 287, R1124-R1131.	0.9	54
20	Myosin Heavy Chain Composition of Single Muscle Fibers in Male Distance Runners. <i>International Journal of Sports Medicine</i> , 2002, 23, 484-488.	0.8	41
21	Acute heat stress prior to downhill running may enhance skeletal muscle remodeling. <i>Cell Stress and Chaperones</i> , 2012, 17, 693-705.	1.2	40
22	Instrument-assisted Soft Tissue Mobilization: Effects on the Properties of Human Plantar Flexors. <i>International Journal of Sports Medicine</i> , 2015, 36, 197-203.	0.8	35
23	Influence of the contractile properties of muscle on motor unit firing rates during a moderate-intensity contraction in vivo. <i>Journal of Neurophysiology</i> , 2016, 116, 552-562.	0.9	34
24	Acute bouts of exercise induce a suppressive effect on lymphocyte proliferation in human subjects: A meta-analysis. <i>Brain, Behavior, and Immunity</i> , 2016, 56, 343-351.	2.0	31
25	Relationships between skinfold thickness and electromyographic and mechanomyographic amplitude recorded during voluntary and non-voluntary muscle actions. <i>Journal of Electromyography and Kinesiology</i> , 2014, 24, 207-213.	0.7	30
26	Alterations in single muscle fiber calcium sensitivity with resistance training in older women. <i>Pflugers Archiv European Journal of Physiology</i> , 2002, 444, 419-425.	1.3	25
27	Effects of Short-Term Concentric vs. Eccentric Resistance Training on Single Muscle Fiber MHC Distribution in Humans. <i>International Journal of Sports Medicine</i> , 2005, 26, 339-343.	0.8	24
28	Influence of knee alignment on quadriceps cross-sectional area. <i>Journal of Biomechanics</i> , 2009, 42, 2313-2317.	0.9	22
29	Muscular strength and power are correlated with motor unit action potential amplitudes, but not myosin heavy chain isoforms in sedentary males and females. <i>Journal of Biomechanics</i> , 2019, 86, 251-255.	0.9	22
30	A Reliable Method for Assessing Rotational Power. <i>Journal of Strength and Conditioning Research</i> , 2012, 26, 720-724.	1.0	20
31	Endocrine responses and acute mTOR pathway phosphorylation to resistance exercise with leucine and whey. <i>Biology of Sport</i> , 2017, 2, 197-203.	1.7	18
32	The change in motor unit firing rates at deâ€recruitment relative to recruitment is correlated with type I myosin heavy chain isoform content of the vastus lateralis <i>in vivo</i>. <i>Acta Physiologica</i> , 2016, 216, 454-463.	1.8	14
33	Diathermy treatment increases heat shock protein expression in female, but not male skeletal muscle. <i>European Journal of Applied Physiology</i> , 2007, 102, 319-323.	1.2	13
34	Technique for quantitative RT-PCR analysis directly from single muscle fibers. <i>Journal of Applied Physiology</i> , 2008, 105, 308-315.	1.2	13
35	Focal adhesion kinase signaling is decreased 56 days following spinal cord injury in rat gastrocnemius. <i>Spinal Cord</i> , 2016, 54, 502-509.	0.9	13
36	T cell activation and proliferation following acute exercise in human subjects is altered by storage conditions and mitogen selection. <i>Journal of Immunological Methods</i> , 2017, 446, 7-14.	0.6	13

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37	Effects of an acute bout of resistance exercise on fiber-type specific <i>GLUT4</i> and <i>IGF-1R</i> expression. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013, 38, 581-586.	0.9	12
38	Short-Wave Diathermy Pretreatment and Inflammatory Myokine Response After High-Intensity Eccentric Exercise. <i>Journal of Athletic Training</i> , 2015, 50, 612-620.	0.9	12
39	The influence of myosin heavy chain isoform content on mechanical behavior of the vastus lateralis in vivo. <i>Journal of Electromyography and Kinesiology</i> , 2016, 28, 143-151.	0.7	11
40	Salivary IgA is Not a Reliable Indicator of Upper Respiratory Infection in Collegiate Female Soccer Athletes. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 1937-1942.	1.0	9
41	Effects of continuous cycling training on motor unit firing rates, input excitation, and myosin heavy chain of the vastus lateralis in sedentary females. <i>Experimental Brain Research</i> , 2022, 240, 825-839.	0.7	9
42	Immunoendocrine alterations following Marine Corps Martial Arts training are associated with changes in moral cognitive processes. <i>Physiology and Behavior</i> , 2016, 154, 76-82.	1.0	8
43	Changes in $\beta_1$ integrin signaling after eccentric exercise in heat-shocked rat soleus. <i>Muscle and Nerve</i> , 2015, 51, 562-568.	1.0	6
44	Notch, Numb and Numb-like responses to exercise-induced muscle damage in human skeletal muscle. <i>Experimental Physiology</i> , 2022, 107, 800-806.	0.9	5
45	Intramuscular Heating Through Fluidotherapy and Heat Shock Protein Response. <i>Journal of Athletic Training</i> , 2013, 48, 353-361.	0.9	4
46	Relationships between the mechanomyographic amplitude patterns of response and concentric isokinetic fatiguing tasks of the leg extensors. <i>Physiological Measurement</i> , 2013, 34, 1293-1301.	1.2	4
47	Stress sensors of skeletal muscle: heat shock-induced cytokine expression. Focus on "Skeletal muscle interleukin-6 regulation in hyperthermia". <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C375-C376.	2.1	3
48	Effect of Three Different Maximal Concentric Velocity Squat Protocols on MAPK Phosphorylation and Endocrine Responses. <i>Journal of Strength and Conditioning Research</i> , 2019, 33, 1692-1702.	1.0	3
49	Forskolin attenuates the action of insulin on the Akt-mTOR pathway in human skeletal muscle. <i>Applied Physiology, Nutrition and Metabolism</i> , 2009, 34, 916-925.	0.9	2
50	Change in measures of moral function following acute bouts of Marine Corps Martial Arts Training. <i>Stress and Health</i> , 2022, 38, 534-543.	1.4	2
51	Effects of Diathermy on Hsp70 Content in Human Skeletal Muscle. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S11.	0.2	1
52	Methods Comparison. <i>Journal of Strength and Conditioning Research</i> , 2015, 29, 1139-1145.	1.0	1
53	Potential Cytoprotective Effects of Heat Shock Proteins to Skeletal Muscle. <i>Heat Shock Proteins</i> , 2015, , 119-127.	0.2	1
54	Advanced Treatment Monitoring for Olympic-Level Athletes Using Unsupervised Modeling Techniques. <i>Journal of Athletic Training</i> , 2016, 51, 74-81.	0.9	1

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55	Lower Body Power-Load Curves For NCAA Division I Men's and Women's Collegiate Basketball Players. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 65.	0.2	0
56	Inflammatory Cytokines and Pain Perception Resulting from an Eccentric Exercise Muscle Damage Protocol. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 829.	0.2	0
57	The Effects of Pre-Workout Supplementation and Eight Weeks of Resistance Training on Markers of Inflammation. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 304.	0.2	0
58	Impact of Acute Training Stress on Moral Decision Making Following Marine Corps Martial Arts Training. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 807.	0.2	0
59	Interaction of Resistance Exercise and BCAA Supplementation on Akt and p70 s6 kinase Phosphorylation in Human Skeletal Muscle. <i>FASEB Journal</i> , 2007, 21, A1206.	0.2	0
60	Gender differences in skeletal muscle heat shock proteins induced by diathermy. <i>FASEB Journal</i> , 2007, 21, A1359.	0.2	0
61	Analysis of gene expression directly from single muscle fibers using real time RT-PCR. <i>FASEB Journal</i> , 2007, 21, A1205.	0.2	0
62	The effects of resistance exercise on fiber-type specific GLUT4 and insulin-like growth factor-1 receptor expression in human skeletal muscle. <i>FASEB Journal</i> , 2008, 22, 754.11.	0.2	0
63	Skeletal Muscle Composition and Glucose Levels in Children Who Are Overweight and Obese. <i>Pediatric Exercise Science</i> , 2020, 32, 157-164.	0.5	0