

Sandra K Hunter

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

106
papers

4,721
citations

39
h-index

66
g-index

112
ext. papers

5,618
ext. citations

3.1
avg. IF

6.09
L-index

#	Paper	IF	Citations
106	Mechanisms that contribute to differences in motor performance between young and old adults. <i>Journal of Electromyography and Kinesiology</i> , 2003 , 13, 1-12	2.5	393
105	Sex differences in the fatigability of arm muscles depends on absolute force during isometric contractions. <i>Journal of Applied Physiology</i> , 2001 , 91, 2686-94	3.7	239
104	The aging neuromuscular system and motor performance. <i>Journal of Applied Physiology</i> , 2016 , 121, 982-995	3.7	163
103	Who is wearing a mask? Gender-, age-, and location-related differences during the COVID-19 pandemic. <i>PLoS ONE</i> , 2020 , 15, e0240785	3.7	158
102	Supraspinal fatigue does not explain the sex difference in muscle fatigue of maximal contractions. <i>Journal of Applied Physiology</i> , 2006 , 101, 1036-44	3.7	155
101	Task differences with the same load torque alter the endurance time of submaximal fatiguing contractions in humans. <i>Journal of Neurophysiology</i> , 2002 , 88, 3087-96	3.2	140
100	Variability of motor unit discharge and force fluctuations across a range of muscle forces in older adults. <i>Muscle and Nerve</i> , 2005 , 32, 533-40	3.4	137
99	Sex differences and mechanisms of task-specific muscle fatigue. <i>Exercise and Sport Sciences Reviews</i> , 2009 , 37, 113-22	6.7	126
98	Muscle fatigue and the mechanisms of task failure. <i>Exercise and Sport Sciences Reviews</i> , 2004 , 32, 44-9	6.7	121
97	Men are more fatigable than strength-matched women when performing intermittent submaximal contractions. <i>Journal of Applied Physiology</i> , 2004 , 96, 2125-32	3.7	117
96	Fatigability of the elbow flexor muscles for a sustained submaximal contraction is similar in men and women matched for strength. <i>Journal of Applied Physiology</i> , 2004 , 96, 195-202	3.7	114
95	Mechanisms of fatigue differ after low- and high-force fatiguing contractions in men and women. <i>Muscle and Nerve</i> , 2007 , 36, 515-24	3.4	109
94	Human skeletal sarcoplasmic reticulum Ca ²⁺ uptake and muscle function with aging and strength training. <i>Journal of Applied Physiology</i> , 1999 , 86, 1858-65	3.7	107
93	The Relevance of Sex Differences in Performance Fatigability. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 2247-2256	1.2	106
92	Changes in muscle activation can prolong the endurance time of a submaximal isometric contraction in humans. <i>Journal of Applied Physiology</i> , 2003 , 94, 108-18	3.7	99
91	Dose response of isometric contractions on pain perception in healthy adults. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 1880-9	1.2	96
90	Influence of aging on sex differences in muscle fatigability. <i>Journal of Applied Physiology</i> , 2004 , 97, 1723-32	3.7	93

89	Is there a sex difference in the age of elite marathon runners?. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 656-64	1.2	87
88	Recovery from supraspinal fatigue is slowed in old adults after fatiguing maximal isometric contractions. <i>Journal of Applied Physiology</i> , 2008 , 105, 1199-209	3.7	84
87	Relationships among age-associated strength changes and physical activity level, limb dominance, and muscle group in women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2000 , 55, B264-73	6.4	84
86	Men are more likely than women to slow in the marathon. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 607-16	1.2	83
85	Sex differences in fatigability of dynamic contractions. <i>Experimental Physiology</i> , 2016 , 101, 250-5	2.4	75
84	Activation among the elbow flexor muscles differs when maintaining arm position during a fatiguing contraction. <i>Journal of Applied Physiology</i> , 2003 , 94, 2439-47	3.7	73
83	Muscle endurance is greater for old men compared with strength-matched young men. <i>Journal of Applied Physiology</i> , 2005 , 99, 890-7	3.7	70
82	Conditioned pain modulation predicts exercise-induced hypoalgesia in healthy adults. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 176-84	1.2	67
81	Menstrual cycle-associated modulations in neuromuscular function and fatigability of the knee extensors in eumenorrheic women. <i>Journal of Applied Physiology</i> , 2019 , 126, 1701-1712	3.7	58
80	Sex differences in marathon running with advanced age: physiology or participation?. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 148-56	1.2	55
79	Active hyperemia and vascular conductance differ between men and women for an isometric fatiguing contraction. <i>Journal of Applied Physiology</i> , 2006 , 101, 140-50	3.7	55
78	Fatigue and recovery from dynamic contractions in men and women differ for arm and leg muscles. <i>Muscle and Nerve</i> , 2013 , 48, 436-9	3.4	51
77	Sex differences in response to cognitive stress during a fatiguing contraction. <i>Journal of Applied Physiology</i> , 2009 , 107, 1486-96	3.7	51
76	Pain perception after isometric exercise in women with fibromyalgia. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011 , 92, 89-95	2.8	49
75	Physiological sex differences affect the integrative response to exercise: acute and chronic implications. <i>Experimental Physiology</i> , 2020 , 105, 2007-2021	2.4	46
74	Age-related muscle fatigue after a low-force fatiguing contraction is explained by central fatigue. <i>Muscle and Nerve</i> , 2008 , 37, 457-66	3.4	45
73	Time to task failure and muscle activation vary with load type for a submaximal fatiguing contraction with the lower leg. <i>Journal of Applied Physiology</i> , 2008 , 105, 463-72	3.7	42
72	Sex differences with aging in the fatigability of dynamic contractions. <i>Experimental Gerontology</i> , 2015 , 70, 1-10	4.5	41

71	Sex differences in time to task failure and blood flow for an intermittent isometric fatiguing contraction. <i>Muscle and Nerve</i> , 2009 , 39, 42-53	3.4	40
70	Sprint training increases muscle oxidative metabolism during high-intensity exercise in patients with type 1 diabetes. <i>Diabetes Care</i> , 2008 , 31, 2097-102	14.6	40
69	Age differences in dynamic fatigability and variability of arm and leg muscles: Associations with physical function. <i>Experimental Gerontology</i> , 2017 , 87, 74-83	4.5	39
68	Short-interval cortical inhibition and intracortical facilitation during submaximal voluntary contractions changes with fatigue. <i>Experimental Brain Research</i> , 2016 , 234, 2541-51	2.3	39
67	Performance Fatigability: Mechanisms and Task Specificity. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018 , 8,	5.4	38
66	Effects of elevated H and P on the contractile mechanics of skeletal muscle fibres from young and old men: implications for muscle fatigue in humans. <i>Journal of Physiology</i> , 2018 , 596, 3993-4015	3.9	38
65	Supraspinal fatigue is similar in men and women for a low-force fatiguing contraction. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 1873-83	1.2	35
64	Stressor-induced increase in muscle fatigability of young men and women is predicted by strength but not voluntary activation. <i>Journal of Applied Physiology</i> , 2014 , 116, 767-78	3.7	33
63	Age and sex differences in steadiness of elbow flexor muscles with imposed cognitive demand. <i>European Journal of Applied Physiology</i> , 2015 , 115, 1367-79	3.4	32
62	Fatigability and recovery of arm muscles with advanced age for dynamic and isometric contractions. <i>Experimental Gerontology</i> , 2013 , 48, 259-68	4.5	32
61	Motor Variability during Sustained Contractions Increases with Cognitive Demand in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 97	5.3	32
60	Fatiguing exercise attenuates pain-induced corticomotor excitability. <i>Neuroscience Letters</i> , 2009 , 452, 209-13	3.3	32
59	Sex differences in fatigability and recovery relative to the intensity-duration relationship. <i>Journal of Physiology</i> , 2019 , 597, 5577-5595	3.9	31
58	Pain relief after isometric exercise is not task-dependent in older men and women. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 185-91	1.2	31
57	The role of the menstrual cycle phase in pain perception before and after an isometric fatiguing contraction. <i>European Journal of Applied Physiology</i> , 2009 , 106, 105-12	3.4	29
56	Sex Differences in Mechanisms of Recovery after Isometric and Dynamic Fatiguing Tasks. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 1070-1083	1.2	27
55	Time to task failure differs with load type when old adults perform a submaximal fatiguing contraction. <i>Muscle and Nerve</i> , 2005 , 31, 730-40	3.4	27
54	Mechanisms for the age-related increase in fatigability of the knee extensors in old and very old adults. <i>Journal of Applied Physiology</i> , 2018 , 125, 146-158	3.7	26

53	Supraspinal fatigue impedes recovery from a low-intensity sustained contraction in old adults. <i>Journal of Applied Physiology</i> , 2012 , 112, 849-58	3.7	25
52	Time to task failure varies with the gain of the feedback signal for women, but not for men. <i>Experimental Brain Research</i> , 2006 , 174, 575-87	2.3	25
51	Brain areas associated with force steadiness and intensity during isometric ankle dorsiflexion in men and women. <i>Experimental Brain Research</i> , 2014 , 232, 3133-45	2.3	24
50	Contraction intensity and sex differences in knee-extensor fatigability. <i>Journal of Electromyography and Kinesiology</i> , 2017 , 37, 68-74	2.5	23
49	The two-hour marathon: What is the equivalent for women?. <i>Journal of Applied Physiology</i> , 2015 , 118, 1321-3	3.7	21
48	Sex differences in neuromuscular function after repeated eccentric contractions of the knee extensor muscles. <i>European Journal of Applied Physiology</i> , 2017 , 117, 1119-1130	3.4	20
47	Stroke-related changes in neuromuscular fatigue of the hip flexors and functional implications. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2012 , 91, 33-42	2.6	20
46	Physiology and fast marathons. <i>Journal of Applied Physiology</i> , 2020 , 128, 1065-1068	3.7	19
45	The stroke-related effects of hip flexion fatigue on over ground walking. <i>Gait and Posture</i> , 2014 , 39, 1103-8	3.8	19
44	Physical activity modulates corticospinal excitability of the lower limb in young and old adults. <i>Journal of Applied Physiology</i> , 2017 , 123, 364-374	3.7	18
43	Age and load compliance alter time to task failure for a submaximal fatiguing contraction with the lower leg. <i>Journal of Applied Physiology</i> , 2010 , 108, 1510-9	3.7	18
42	Bioenergetic basis for the increased fatigability with ageing. <i>Journal of Physiology</i> , 2019 , 597, 4943-4957	3.9	17
41	Sex differences in fatigability following exercise normalised to the power-duration relationship. <i>Journal of Physiology</i> , 2020 , 598, 5717-5737	3.9	17
40	Voluntary activation and variability during maximal dynamic contractions with aging. <i>European Journal of Applied Physiology</i> , 2017 , 117, 2493-2507	3.4	16
39	Sex Differences in Participation, Performance, and Age of Ultramarathon Runners. <i>International Journal of Sports Physiology and Performance</i> , 2016 , 11, 635-42	3.5	15
38	Mechanisms for the increased fatigability of the lower limb in people with type 2 diabetes. <i>Journal of Applied Physiology</i> , 2018 , 125, 553-566	3.7	14
37	Muscle function and fatigability of trunk flexors in males and females. <i>Biology of Sex Differences</i> , 2017 , 8, 12	9.3	14
36	Age-related Deficits in Voluntary Activation: A Systematic Review and Meta-analysis. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 549-560	1.2	14

35	Sex Differences in Arm Muscle Fatigability With Cognitive Demand in Older Adults. <i>Clinical Orthopaedics and Related Research</i> , 2015 , 473, 2568-77	2.2	13
34	Impaired Trunk Flexor Strength, Fatigability, and Steadiness in Postpartum Women. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 1558-1569	1.2	13
33	Muscle fatigability and control of force in men with posttraumatic stress disorder. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 1302-13	1.2	12
32	Technological advances in elite marathon performance. <i>Journal of Applied Physiology</i> , 2021 , 130, 2002-2008	3.7	12
31	Oscillations in neural drive and age-related reductions in force steadiness with a cognitive challenge. <i>Journal of Applied Physiology</i> , 2019 , 126, 1056-1065	3.7	11
30	Variation in limb support influences the time to task failure for a postural contraction. <i>Journal of Motor Behavior</i> , 2009 , 41, 393-5	1.4	11
29	Rates of performance loss and neuromuscular activity in men and women during cycling: evidence for a common metabolic basis of muscle fatigue. <i>Journal of Applied Physiology</i> , 2017 , 122, 130-141	3.7	10
28	Girls in the boat: Sex differences in rowing performance and participation. <i>PLoS ONE</i> , 2018 , 13, e0191504	3.7	10
27	Differential effects of aging and physical activity on corticospinal excitability of upper and lower limb muscles. <i>Journal of Neurophysiology</i> , 2019 , 122, 241-250	3.2	9
26	Men report greater pain relief following sustained static contractions than women when matched for baseline pain. <i>Journal of Motor Behavior</i> , 2014 , 46, 107-13	1.4	9
25	Sex differences in spatial accuracy relate to the neural activation of antagonistic muscles in young adults. <i>Experimental Brain Research</i> , 2017 , 235, 2425-2436	2.3	7
24	Impaired Hyperemic Response to Exercise Post Stroke. <i>PLoS ONE</i> , 2015 , 10, e0144023	3.7	7
23	Exercise-induced hyperemia is associated with knee extensor fatigability in adults with type 2 diabetes. <i>Journal of Applied Physiology</i> , 2019 , 126, 658-667	3.7	7
22	Stroke-related effects on maximal dynamic hip flexor fatigability and functional implications. <i>Muscle and Nerve</i> , 2015 , 51, 446-8	3.4	6
21	Fatigability of the Lumbopelvic Stabilizing Muscles in Women 8 and 26 Weeks Postpartum. <i>Journal of Womens Health Physical Therapy</i> , 2018 , 42, 128-138	0.7	6
20	The Relationship Between Blood Flow and Motor Unit Firing Rates in Response to Fatiguing Exercise Post-stroke. <i>Frontiers in Physiology</i> , 2019 , 10, 545	4.6	5
19	Stroke increases ischemia-related decreases in motor unit discharge rates. <i>Journal of Neurophysiology</i> , 2018 , 120, 3246-3256	3.2	5
18	Last Word on Viewpoint: Physiology and fast marathons. <i>Journal of Applied Physiology</i> , 2020 , 128, 1086-1087	3.7	4

17	Sex Differences in Neuromuscular Fatigability of the Knee Extensors Post-Stroke. <i>Brain Sciences</i> , 2017 , 7,	3.4	4
16	Greater Lower Limb Fatigability in People with Prediabetes than Controls. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 1176-1186	1.2	4
15	Greater fatigability and motor unit discharge variability in human type 2 diabetes. <i>Physiological Reports</i> , 2020 , 8, e14503	2.6	4
14	Ca dependency of limb muscle fiber contractile mechanics in young and older adults. <i>American Journal of Physiology - Cell Physiology</i> , 2020 , 318, C1238-C1251	5.4	3
13	Last Word on Viewpoint: The two-hour marathon: What's the equivalent for women?. <i>Journal of Applied Physiology</i> , 2015 , 118, 1329	3.7	3
12	Men Have Greater Active Hyperemia Than Women For A Similar Intensity Isometric Fatiguing Contraction. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, S388	1.2	2
11	Attenuated activation of knee extensor muscles during fast contractions in older men and women. <i>European Journal of Applied Physiology</i> , 2020 , 120, 2289-2299	3.4	2
10	Increased Cardiovascular Response to a 6-Minute Walk Test in People With Type 2 Diabetes. <i>Diabetes Spectrum</i> , 2020 , 33, 104-110	1.9	2
9	Methodological issues influence determination of critical force during intermittent exercise: authors' reply. <i>Journal of Physiology</i> , 2019 , 597, 5987-5989	3.9	2
8	Force Steadiness During a Cognitively Challenging Motor Task Is Predicted by Executive Function in Older Adults. <i>Frontiers in Physiology</i> , 2018 , 9, 1316	4.6	2
7	Greater fatigue resistance of dorsiflexor muscles in people with prediabetes than type 2 diabetes. <i>Journal of Electromyography and Kinesiology</i> , 2020 , 54, 102458	2.5	1
6	Are masters athletic performances predictive of human aging in men and women?. <i>Movement and Sports Sciences - Science Et Motricite</i> , 2019 , 5-12	0.5	1
5	Technological advances in elite marathon performance		1
4	Impact of isometric and concentric resistance exercise on pain and fatigue in fibromyalgia. <i>European Journal of Applied Physiology</i> , 2021 , 121, 1389-1404	3.4	1
3	The single-leg heel raise does not predict maximal plantar flexion strength in healthy males and females. <i>PLoS ONE</i> , 2021 , 16, e0253276	3.7	0
2	Fatigability of the knee extensor muscles during high-load fast and low-load slow resistance exercise in young and older adults. <i>Experimental Gerontology</i> , 2021 , 154, 111546	4.5	0
1	Fitness levels do not explain greater performance fatigability of the upper extremity in fibromyalgia. <i>European Journal of Applied Physiology</i> , 2021 , 121, 2363-2364	3.4	