

Stuart Goodall

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

3,199
citations

126858

33
h-index

168321

53
g-index

98
all docs

98
docs citations

98
times ranked

2804
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effects of Menstrual Cycle Phase on Exercise Performance in Eumenorrhic Women: A Systematic Review and Meta-Analysis. <i>Sports Medicine</i> , 2020, 50, 1813-1827.	3.1	259
2	Physiological sex differences affect the integrative response to exercise: acute and chronic implications. <i>Experimental Physiology</i> , 2020, 105, 2007-2021.	0.9	165
3	Central and Peripheral Fatigue in Male Cyclists after 4-, 20-, and 40-km Time Trials. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 537-546.	0.2	142
4	Exercise-induced muscle damage is reduced in resistance-trained males by branched chain amino acids: a randomized, double-blind, placebo controlled study. <i>Journal of the International Society of Sports Nutrition</i> , 2012, 9, 20.	1.7	141
5	Supraspinal fatigue after normoxic and hypoxic exercise in humans. <i>Journal of Physiology</i> , 2012, 590, 2767-2782.	1.3	126
6	The Effects of Oral Contraceptives on Exercise Performance in Women: A Systematic Review and Meta-analysis. <i>Sports Medicine</i> , 2020, 50, 1785-1812.	3.1	118
7	Menstrual cycle-associated modulations in neuromuscular function and fatigability of the knee extensors in eumenorrhic women. <i>Journal of Applied Physiology</i> , 2019, 126, 1701-1712.	1.2	113
8	The influence of cold water immersions on adaptation following a single bout of damaging exercise. <i>European Journal of Applied Physiology</i> , 2009, 105, 615-621.	1.2	107
9	Effect of graded hypoxia on supraspinal contributions to fatigue with unilateral knee-extensor contractions. <i>Journal of Applied Physiology</i> , 2010, 109, 1842-1851.	1.2	103
10	Evidence for Acute Electrophysiological and Cognitive Changes Following Routine Soccer Heading. <i>EBioMedicine</i> , 2016, 13, 66-71.	2.7	103
11	Voluntary activation of human knee extensors measured using transcranial magnetic stimulation. <i>Experimental Physiology</i> , 2009, 94, 995-1004.	0.9	102
12	Intensity-Dependent Contribution of Neuromuscular Fatigue after Constant-Load Cycling. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1751-1760.	0.2	102
13	Etiology and Recovery of Neuromuscular Fatigue after Simulated Soccer Match Play. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 955-964.	0.2	72
14	Etiology and Recovery of Neuromuscular Fatigue following Competitive Soccer Match-Play. <i>Frontiers in Physiology</i> , 2017, 8, 831.	1.3	72
15	Sex differences in fatigability and recovery relative to the intensityâ€ duration relationship. <i>Journal of Physiology</i> , 2019, 597, 5577-5595.	1.3	69
16	Neuromuscular Fatigability during Repeated-Sprint Exercise in Male Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 528-536.	0.2	64
17	Performance Fatigability Is Not Regulated to A Peripheral Critical Threshold. <i>Exercise and Sport Sciences Reviews</i> , 2018, 46, 240-246.	1.6	52
18	The Effects of Direct Current Stimulation on Exercise Performance, Pacing and Perception in Temperate and Hot Environments. <i>Brain Stimulation</i> , 2016, 9, 842-849.	0.7	51

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19	The effects of multiple cold water immersions on indices of muscle damage. <i>Journal of Sports Science and Medicine</i> , 2008, 7, 235-41.	0.7	50
20	Time Course of Neuromuscular Changes during Running in Well-Trained Subjects. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 1184-1190.	0.2	49
21	AltitudeOmics: exercise-induced supraspinal fatigue is attenuated in healthy humans after acclimatization to high altitude. <i>Acta Physiologica</i> , 2014, 210, 875-888.	1.8	48
22	Transcranial magnetic stimulation in sport science: A commentary. <i>European Journal of Sport Science</i> , 2014, 14, S332-40.	1.4	47
23	Neuromuscular changes and the rapid adaptation following a bout of damaging eccentric exercise. <i>Acta Physiologica</i> , 2017, 220, 486-500.	1.8	46
24	Sex differences in fatigability following exercise normalised to the powerâ€“duration relationship. <i>Journal of Physiology</i> , 2020, 598, 5717-5737.	1.3	45
25	Acute and chronic hypoxia: implications for cerebral function and exercise tolerance. <i>Fatigue: Biomedicine, Health and Behavior</i> , 2014, 2, 73-92.	1.2	44
26	Contraction intensity and sex differences in knee-extensor fatigability. <i>Journal of Electromyography and Kinesiology</i> , 2017, 37, 68-74.	0.7	44
27	Neuromuscular Fatigue and Recovery after Heavy Resistance, Jump, and Sprint Training. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 2526-2535.	0.2	44
28	AltitudeOmics: on the consequences of high-altitude acclimatization for the development of fatigue during locomotor exercise in humans. <i>Journal of Applied Physiology</i> , 2013, 115, 634-642.	1.2	40
29	Muscle Damage Response in Female Collegiate Athletes After Repeated Sprint Activity. <i>Journal of Strength and Conditioning Research</i> , 2015, 29, 2802-2807.	1.0	40
30	Modulation of specific inhibitory networks in fatigued locomotor muscles of healthy males. <i>Experimental Brain Research</i> , 2018, 236, 463-473.	0.7	40
31	Mirror Training Augments the Cross-education of Strength and Affects Inhibitory Paths. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1001-1013.	0.2	38
32	The assessment of neuromuscular fatigue during 120Âmin of simulated soccer exercise. <i>European Journal of Applied Physiology</i> , 2017, 117, 687-697.	1.2	37
33	Mechanical and morphological determinants of peak power output in elite cyclists. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 227-237.	1.3	36
34	An optimal protocol for measurement of corticospinal excitability, short intracortical inhibition and intracortical facilitation in the rectus femoris. <i>Journal of the Neurological Sciences</i> , 2018, 394, 45-56.	0.3	35
35	Test-Retest Reliability of Physiological and Performance Responses to 120 Minutes of Simulated Soccer Match Play. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 3178-3186.	1.0	34
36	Determining the potential sites of neural adaptation to cross-education: implications for the cross-education of muscle strength. <i>European Journal of Applied Physiology</i> , 2018, 118, 1751-1772.	1.2	30

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37	The effect of a carbohydrate mouth-rinse on neuromuscular fatigue following cycling exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 557-564.	0.9	29
38	Repeatability of Corticospinal and Spinal Measures during Lengthening and Shortening Contractions in the Human Tibialis Anterior Muscle. <i>PLoS ONE</i> , 2012, 7, e35930.	1.1	29
39	Corticospinal responses of resistance-trained and un-trained males during dynamic muscle contractions. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 1075-1081.	0.7	28
40	Cycling-specific isometric resistance training improves peak power output in elite sprint cyclists. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 1594-1604.	1.3	26
41	Task-specific strength increases after lower limb compound resistance training occurred in the absence of corticospinal changes in vastus lateralis. <i>Experimental Physiology</i> , 2020, 105, 1132-1150.	0.9	23
42	Motor cortical and corticospinal function differ during an isometric squat compared with isometric knee extension. <i>Experimental Physiology</i> , 2018, 103, 1251-1263.	0.9	22
43	Relation between Peak Power Output in Sprint Cycling and Maximum Voluntary Isometric Torque Production. <i>Journal of Electromyography and Kinesiology</i> , 2017, 35, 95-99.	0.7	20
44	Enhanced Corticospinal Excitability and Volitional Drive in Response to Shortening and Lengthening Strength Training and Changes Following Detraining. <i>Frontiers in Physiology</i> , 2017, 8, 57.	1.3	20
45	Mirror illusion reduces motor cortical inhibition in the ipsilateral primary motor cortex during forceful unilateral muscle contractions. <i>Journal of Neurophysiology</i> , 2015, 113, 2262-2270.	0.9	19
46	Heavy resistance exercise-induced increases in jump performance are not explained by changes in neuromuscular function. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017, 27, 35-44.	1.3	19
47	Augmented supraspinal fatigue following constant load cycling in the heat. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015, 25, 164-172.	1.3	18
48	Reduced corticospinal responses in older compared with younger adults during submaximal isometric, shortening, and lengthening contractions. <i>Journal of Applied Physiology</i> , 2019, 126, 1015-1031.	1.2	16
49	Electrical stimulation of human corticospinal axons at the level of the lumbar spinal segments. <i>European Journal of Neuroscience</i> , 2019, 49, 1254-1267.	1.2	16
50	Deception Improves Time Trial Performance in Well-trained Cyclists without Augmented Fatigue. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 809-816.	0.2	15
51	Neurostructural and Neurophysiological Correlates of Multiple Sclerosis Physical Fatigue: Systematic Review and Meta-Analysis of Cross-Sectional Studies. <i>Neuropsychology Review</i> , 2021, , 1.	2.5	12
52	Neurophysiological responses and adaptation following repeated bouts of maximal lengthening contractions in young and older adults. <i>Journal of Applied Physiology</i> , 2019, 127, 1224-1237.	1.2	11
53	“Float first and kick for your life”: Psychophysiological basis for safety behaviour on accidental short-term cold water immersion. <i>Physiology and Behavior</i> , 2016, 154, 83-89.	1.0	10
54	The Effect of Phase Change Material on Recovery of Neuromuscular Function Following Competitive Soccer Match-Play. <i>Frontiers in Physiology</i> , 2019, 10, 647.	1.3	10

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55	Alterations in Whole-Body Insulin Sensitivity Resulting From Repeated Eccentric Exercise of a Single Muscle Group: A Pilot Investigation. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2015, 25, 405-410.	1.0	9
56	Corticospinal excitability during shortening and lengthening actions with incremental torque output. <i>Experimental Physiology</i> , 2018, 103, 1586-1592.	0.9	9
57	Corticospinal excitability of tibialis anterior and soleus differs during passive ankle movement. <i>Experimental Brain Research</i> , 2019, 237, 2239-2254.	0.7	9
58	Exploring the Efficacy of a Safe Cryotherapy Alternative: Physiological Temperature Changes From Cold-Water Immersion Versus Prolonged Cooling of Phase-Change Material. <i>International Journal of Sports Physiology and Performance</i> , 2019, 14, 1288-1296.	1.1	9
59	Repetitive Transcranial Magnetic Stimulation Attenuates the Perception of Force Output Production in Non-Exercised Hand Muscles after Unilateral Exercise. <i>PLoS ONE</i> , 2013, 8, e80202.	1.1	9
60	Drop jumps versus sled towing and their effects on repeated sprint ability in young basketball players. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2022, 14, 4.	0.7	9
61	Recovery time of motor evoked potentials following lengthening and shortening muscle action in the tibialis anterior. <i>Journal of Clinical Neuroscience</i> , 2012, 19, 1328-1329.	0.8	8
62	The effect of hot and cold drinks on thermoregulation, perception, and performance: the role of the gut in thermoreception. <i>European Journal of Applied Physiology</i> , 2018, 118, 2643-2654.	1.2	8
63	Isovelocity vs. Isoinertial Sprint Cycling Tests for Power- and Torque-cadence Relationships. <i>International Journal of Sports Medicine</i> , 2019, 40, 897-902.	0.8	8
64	Enhancement of Exercise Capacity in the Heat With Repeated Menthol-Spray Application. <i>International Journal of Sports Physiology and Performance</i> , 2019, 14, 644-649.	1.1	7
65	Etiology and Recovery of Neuromuscular Function Following Academy Soccer Training. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	7
66	Does the reticulospinal tract mediate adaptation to resistance training in humans?. <i>Journal of Applied Physiology</i> , 2022, 133, 689-696.	1.2	7
67	Reliability of traditional and task specific reference tasks to assess peak muscle activation during two different sprint cycling tests. <i>Journal of Electromyography and Kinesiology</i> , 2019, 46, 41-48.	0.7	5
68	The Relationship Between Neuromuscular Function and the $W\dot{V}O_2$ in Elite Cyclists. <i>International Journal of Sports Physiology and Performance</i> , 2021, 16, 1656-1662.	1.1	5
69	Antioxidant supplementation does not attenuate exercise-induced cardiac troponin release. <i>International Journal of Cardiology</i> , 2011, 152, 101-102.	0.8	4
70	Brain blood flow and hyperventilation on cold water immersion: can treading water help control these symptoms of cold shock?. <i>Extreme Physiology and Medicine</i> , 2015, 4, .	2.5	4
71	Differences in force normalising procedures during submaximal anisometric contractions. <i>Journal of Electromyography and Kinesiology</i> , 2018, 41, 82-88.	0.7	4
72	Reply to: Comment on: "The Effects of Menstrual Cycle Phase on Exercise Performance in Eumenorrheic Women: A Systematic Review and Meta-Analysis" and "The Effects of Oral Contraceptives on Exercise Performance in Women: A Systematic Review and Meta-analysis". <i>Sports Medicine</i> , 2021, 51, 1111-1113.	3.1	4

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73	Improved 2000-m Rowing Performance in a Cool Environment With an External Heating Garment. <i>International Journal of Sports Physiology and Performance</i> , 2021, 16, 103-109.	1.1	4
74	The influence of resistance training on neuromuscular function in middle-aged and older adults: A systematic review and meta-analysis of randomised controlled trials.. <i>Experimental Gerontology</i> , 2021, 149, 111320.	1.2	4
75	Commentaries on Viewpoint: The two-hour marathon: what's the equivalent for women?. <i>Journal of Applied Physiology</i> , 2015, 118, 1324-1328.	1.2	3
76	Methodological issues influence determination of critical force during intermittent exercise: authorsâ€™ reply. <i>Journal of Physiology</i> , 2019, 597, 5987-5989.	1.3	3
77	Corticospinal responses during passive shortening and lengthening of tibialis anterior and soleus in older compared to younger adults. <i>Experimental Physiology</i> , 2020, 105, 419-426.	0.9	3
78	Oxygen availability affects exercise capacity, but not neuromuscular fatigue characteristics of knee extensors, during exhaustive intermittent cycling. <i>European Journal of Applied Physiology</i> , 2021, 121, 95-107.	1.2	3
79	Acute Resveratrol Administration Increases Neural Effort but Not Whole Body Metabolism or Cognitive Performance in Healthy, Young Participants. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2020, 4, 315-322.	0.8	1
80	Corticospinal and peripheral responses to heat-induced hypo-hydration: potential physiological mechanisms and implications for neuromuscular function. <i>European Journal of Applied Physiology</i> , 2022, 122, 1797-1810.	1.2	1
81	Effects of maximal-versus submaximal-intent resistance training on functional capacity and strength in community-dwelling older adults: a systematic review and meta-analysis. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2022, 14, .	0.7	1
82	Mechanisms Of Neuromuscular Fatigue Following An Acute Bout Of Eccentric Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 326.	0.2	0
83	Precipitation Of Muscle Damage In Females Following A Sport-specific Bout Of Repeated Sprints. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 352.	0.2	0
84	The Contribution of the Neuromuscular System in the Repeated Bout Effect. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 411.	0.2	0
85	Impact Of "Extra-time" On Performance And Physiological Responses To Simulated Soccer Match-play. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 667-668.	0.2	0
86	Neuromuscular Fatigue In Response To 120 Minutes Of Soccer-specific Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 666-667.	0.2	0
87	The Effect Of Drink Temperature On Sweating Response And Performance During Exercise In The Heat. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 489.	0.2	0
88	The acclimatised spinal cord. <i>Journal of Physiology</i> , 2018, 596, 2949-2950.	1.3	0
89	Compound maximal motor unit response is modulated by contraction intensity, but not contraction type in tibialis anterior. <i>Physiological Reports</i> , 2019, 7, e14201.	0.7	0
90	Physiological Determinants of Peak Power Output in Elite Cyclists. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 638-638.	0.2	0

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91	Sex Differences In Fatigability During Metabolically-matched Locomotor Exercise: An Integrative Approach. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1052-1052.	0.2	0
92	Voluntary Activation Of The Knee Extensors Can Be Assessed Reliably Using Transcranial Magnetic Stimulation. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 197.	0.2	0
93	Effect of graded hypoxia on supraspinal contributions to fatigue. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , 2011, 60, 87-87.	0.0	0
94	Acute Neuromuscular Responses To A Low Volume, High Intensity Strength Training Stimulus. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 300.	0.2	0
95	The Effect of Repeated Soccer Ball Heading on Cortico-spinal Excitability and Inhibition. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 404.	0.2	0
96	Effect of Cold Water Immersion versus Phase Change Material Cooling On Core and Intramuscular Temperature. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 665.	0.2	0
97	Testing traditions in cycling: newspapers are effective thermal insulators during simulated downhill cycling. <i>Journal of Sports Medicine and Physical Fitness</i> , 2020, 61, 109-116.	0.4	0