

Benjamin K Barry

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,228
citations

279798

23
h-index

223800

46
g-index

59
all docs

59
docs citations

59
times ranked

2733
citing authors

#	ARTICLE	IF	CITATIONS
1	Discharge Rate Variability Influences the Variation in Force Fluctuations Across the Working Range of a Hand Muscle. <i>Journal of Neurophysiology</i> , 2005, 93, 2449-2459.	1.8	360
2	Concurrent Strength and Endurance Training. <i>Sports Medicine</i> , 1999, 28, 413-427.	6.5	216
3	Barriers and facilitators of exercise experienced by cancer survivors: a mixed methods systematic review. <i>Supportive Care in Cancer</i> , 2018, 26, 685-700.	2.2	172
4	The neurobiology of muscle fatigue: 15 years later. <i>Integrative and Comparative Biology</i> , 2007, 47, 465-473.	2.0	140
5	The Consequences of Resistance Training for Movement Control in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2004, 59, M730-M754.	3.6	128
6	Rate Coding Is Compressed But Variability Is Unaltered for Motor Units in a Hand Muscle of Old Adults. <i>Journal of Neurophysiology</i> , 2007, 97, 3206-3218.	1.8	116
7	Age-related differences in rapid muscle activation after rate of force development training of the elbow flexors. <i>Experimental Brain Research</i> , 2005, 162, 122-132.	1.5	87
8	Aerobic Training Increases Pain Tolerance in Healthy Individuals. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 1640-1647.	0.4	78
9	Acute resistance exercise and pressure pain sensitivity in knee osteoarthritis: a randomised crossover trial. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 407-414.	1.3	76
10	Resistance training enhances the stability of sensorimotor coordination. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 221-227.	2.6	65
11	Accessory muscle activity contributes to the variation in time to task failure for different arm postures and loads. <i>Journal of Applied Physiology</i> , 2007, 102, 1000-1006.	2.5	64
12	Exercise-based rehabilitation for cancer survivors with chemotherapy-induced peripheral neuropathy. <i>Supportive Care in Cancer</i> , 2019, 27, 3849-3857.	2.2	56
13	Acute Strength Training Increases Responses to Stimulation of Corticospinal Axons. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 139-150.	0.4	52
14	Randomized Evaluation of Cognitive-Behavioral Therapy and Graded Exercise Therapy for Post-Cancer Fatigue. <i>Journal of Pain and Symptom Management</i> , 2017, 54, 74-84.	1.2	45
15	Reflex responsiveness of a human hand muscle when controlling isometric force and joint position. <i>Clinical Neurophysiology</i> , 2007, 118, 2063-2071.	1.5	39
16	Arm posture-dependent changes in corticospinal excitability are largely spinal in origin. <i>Journal of Neurophysiology</i> , 2016, 115, 2076-2082.	1.8	39
17	Effects of Four Weeks of Strength Training on the Corticomotoneuronal Pathway. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 2286-2296.	0.4	35
18	A spinal pathway between synergists can modulate activity in human elbow flexor muscles. <i>Experimental Brain Research</i> , 2008, 190, 347-359.	1.5	34

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19	Capturing the post-exertional exacerbation of fatigue following physical and cognitive challenge in patients with chronic fatigue syndrome. <i>Journal of Psychosomatic Research</i> , 2015, 79, 537-549.	2.6	34
20	Muscle Coordination During Rapid Force Production by Young and Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005, 60, 232-240.	3.6	32
21	Neuromuscular Adaptation During Skill Acquisition on a Two Degree-of-Freedom Target-Acquisition Task: Isometric Torque Production. <i>Journal of Neurophysiology</i> , 2005, 94, 3046-3057.	1.8	31
22	Explicit Education About Exercise-Induced Hypoalgesia Influences Pain Responses to Acute Exercise in Healthy Adults: A Randomized Controlled Trial. <i>Journal of Pain</i> , 2017, 18, 1409-1416.	1.4	29
23	Neuromuscular Adaptation During Skill Acquisition on a Two Degree-of-Freedom Target-Acquisition Task: Dynamic Movement. <i>Journal of Neurophysiology</i> , 2005, 94, 3058-3068.	1.8	26
24	Training-induced modifications of corticospinal reactivity in severely affected stroke survivors. <i>Experimental Brain Research</i> , 2012, 221, 211-221.	1.5	24
25	Spontaneous transitions in the coordination of a whole body task. <i>Human Movement Science</i> , 2001, 20, 549-562.	1.4	22
26	Aerobic exercise intervention in young people with schizophrenia spectrum disorders; improved fitness with no change in hippocampal volume. <i>Psychiatry Research - Neuroimaging</i> , 2015, 232, 200-201.	1.8	22
27	Occlusion of blood flow attenuates exercise-induced hypoalgesia in the occluded limb of healthy adults. <i>Journal of Applied Physiology</i> , 2017, 122, 1284-1291.	2.5	18
28	Transfer of resistance training to enhance rapid coordinated force production by older adults. <i>Experimental Brain Research</i> , 2004, 159, 225-238.	1.5	17
29	Comments on Point:Counterpoint: Spectral properties of the surface EMG can characterize/do not provide information about motor unit recruitment strategies and muscle fiber type. <i>Journal of Applied Physiology</i> , 2008, 105, 1676-1676.	2.5	17
30	Exploring the Mechanisms of Exercise-Induced Hypoalgesia Using Somatosensory and Laser Evoked Potentials. <i>Frontiers in Physiology</i> , 2016, 7, 581.	2.8	16
31	Autonomic nervous system function, activity patterns, and sleep after physical or cognitive challenge in people with chronic fatigue syndrome. <i>Journal of Psychosomatic Research</i> , 2017, 103, 91-94.	2.6	16
32	Fatigue Exacerbation by Interval or Continuous Exercise in Chronic Fatigue Syndrome. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1875-1885.	0.4	14
33	Limited Association Between Aerobic Fitness and Pain in Healthy Individuals: A Cross-Sectional Study. <i>Pain Medicine</i> , 2016, 17, 1799-1808.	1.9	12
34	Exercise-induced hypoalgesia is present in people with Parkinson's disease: Two observational cross-sectional studies. <i>European Journal of Pain</i> , 2019, 23, 1329-1339.	2.8	12
35	The Associations Between Physical Activity, Sleep, and Mood with Pain in People with Parkinson's Disease: An Observational Cross-Sectional Study. <i>Journal of Parkinson's Disease</i> , 2020, 10, 1161-1170.	2.8	11
36	The Relationship Between Daily Physical Activity and Pain in Individuals with Knee Osteoarthritis. <i>Pain Medicine</i> , 2020, 21, 2481-2495.	1.9	10

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37	Common input to different regions of biceps brachii long head. <i>Experimental Brain Research</i> , 2009, 193, 351-359.	1.5	8
38	How important are perturbation responses and joint proprioception to knee osteoarthritis?. <i>Journal of Applied Physiology</i> , 2014, 116, 1-2.	2.5	8
39	Gene Expression in Response to Exercise in Patients with Chronic Fatigue Syndrome: A Pilot Study. <i>Frontiers in Physiology</i> , 2016, 7, 421.	2.8	8
40	Aerobic Exercise Reduces Pressure More Than Heat Pain Sensitivity in Healthy Adults. <i>Pain Medicine</i> , 2019, 20, 1534-1546.	1.9	8
41	Motor unit firing statistics and the Fuglevand model. <i>Journal of Neurophysiology</i> , 2005, 94, 2255-2257.	1.8	6
42	Randomised controlled trial of online continuing education for health professionals to improve the management of chronic fatigue syndrome: a study protocol. <i>BMJ Open</i> , 2017, 7, e014133.	1.9	5
43	Neuromuscular-skeletal constraints on the acquisition of skill in a discrete torque production task. <i>Experimental Brain Research</i> , 2006, 175, 400-410.	1.5	4
44	TOPS: A randomised controlled trial of a multidisciplinary intervention for post-cancer fatigue.. <i>Journal of Clinical Oncology</i> , 2015, 33, 9571-9571.	1.6	4
45	Stability of biceps brachii M _{Max} with one session of strength training. <i>Muscle and Nerve</i> , 2016, 54, 791-793.	2.2	2
46	Effects of acute isometric resistance exercise on cervicomedullary motor evoked potentials. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 1514-1522.	2.9	2
47	The effect of exercise intensity on exercise-induced hypoalgesia in cancer survivors: A randomized crossover trial. <i>Physiological Reports</i> , 2021, 9, e15047.	1.7	2
48	Time To Failure During Fatiguing Contractions Is Influenced By The EMG Activity Of Accessory Muscles. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S395.	0.4	2
49	Transfer effects of step training on stepping performance in untrained directions in older adults: A randomized controlled trial. <i>Gait and Posture</i> , 2017, 54, 50-55.	1.4	1
50	Editorial makes unsubstantiated claims about high-load resistance training. <i>Journal of Applied Physiology</i> , 2017, 123, 1419-1420.	2.5	1
51	The development and electronic delivery of case-based learning using a fast healthcare interoperability resource system. <i>JAMIA Open</i> , 2019, 2, 440-446.	2.0	1
52	Identifying the Source of Radial Nerve Afferents that Inhibit Biceps Brachii. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S367.	0.4	1
53	Measuring activity pacing in patients with chronic fatigue syndrome. <i>Physiotherapy</i> , 2015, 101, e202-e203.	0.4	0
54	Physical Activity And Sleep Patterns Following Physical And Cognitive Challenge In Patients With Chronic Fatigue Syndrome.. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 58.	0.4	0

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55	Exploring The Mechanisms Of Exercise-induced Hypoalgesia Using Somatosensory Evoked Potentials. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 585.	0.4	0
56	Task-Dependent Modulation of Afferent Pathways Between Elbow Flexor Muscles. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S368.	0.4	0
57	Quantifying Muscle Coactivation. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 73.	0.4	0
58	Capturing Activity Pacing in People with Chronic Fatigue Syndrome Using Actigraphy. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 118.	0.4	0
59	Exercise Induced Analgesia in Survivors of Cancer. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 163.	0.4	0