Kylie J Tucker

List of Publications by Year
in descending order

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102 papers	3,550 citations	172207 29 h-index	155451 55 g-index
102 all docs	102 docs citations	102 times ranked	3196 citing authors

#	Article	IF	Citations
1	Evaluating validity of the Kids-Balance Evaluation Systems Test (Kids-BESTest) Clinical Test of Sensory Integration of Balance (CTSIB) criteria to categorise stance postural control of ambulant children with CP. Disability and Rehabilitation, 2022, 44, 4039-4046.	0.9	3
2	Less common synaptic input between muscles from the same group allows for more flexible coordination strategies during a fatiguing task. Journal of Neurophysiology, 2022, 127, 421-433.	0.9	27
3	Is spinal neuromuscular function asymmetrical in adolescents with idiopathic scoliosis compared to those without scoliosis?: A narrative review of surface EMG studies. Journal of Electromyography and Kinesiology, 2022, 63, 102640.	0.7	12
4	Consensus for experimental design in electromyography (CEDE) project: High-density surface electromyography matrix. Journal of Electromyography and Kinesiology, 2022, 64, 102656.	0.7	22
5	Adolescent perspectives on participating in a feasibility trial investigating shoe inserts for patellofemoral pain. Journal of Foot and Ankle Research, 2022, 15, 37.	0.7	3
6	Motor Unit Recruitment is Altered When Acute Experimental Pain is Induced at a Site Distant to the Contracting Muscle. Neuroscience, 2022, , .	1.1	3
7	Muscles from the same muscle group do not necessarily share common drive: evidence from the human triceps surae. Journal of Applied Physiology, 2021, 130, 342-354.	1.2	61
8	Foot Orthoses and Footwear for the Management of Patellofemoral Osteoarthritis: A Pilot Randomized Trial. Arthritis Care and Research, 2021, 73, 240-249.	1.5	3
9	A profile of reference data for shear modulus for lower limb muscles in typically developing children. Clinical Biomechanics, 2021, 83, 105254.	0.5	1
10	Non-uniform Effects of Nociceptive Stimulation to Motoneurones during Experimental Muscle Pain. Neuroscience, 2021, 463, 45-56.	1.1	5
11	Postural Control Performance on the Functional Reach Test: Validity of the Kids-Balance Evaluation Systems Test (Kids-BESTest) Criteria. Archives of Physical Medicine and Rehabilitation, 2021, 102, 1170-1179.	0.5	4
12	Consensus for experimental design in electromyography (CEDE) project: Terminology matrix. Journal of Electromyography and Kinesiology, 2021, 59, 102565.	0.7	29
13	Muscle architecture and shape changes in the gastrocnemii of active younger and older adults. Journal of Biomechanics, 2021, 129, 110823.	0.9	4
14	â€œTaking actionâ€•to reduce painâ€”Has interpretation of the motor adaptation to pain been too simplistic?. PLoS ONE, 2021, 16, e0260715.	1.1	4
15	HAPPi Kneecaps! A doubleâ€blind, randomised, parallel group superiority trial investigating the effects of sHoe inserts for adolescents with patellofemoral Paln: phase II feasibility study. Journal of Foot and Ankle Research, 2021, 14, 64.	0.7	4
16	Does adding hip exercises to quadriceps exercises result in superior outcomes in pain, function and quality of life for people with knee osteoarthritis? A systematic review and meta-analysis. British Journal of Sports Medicine, 2020, 54, 263-271.	3.1	32
17	Force-sharing within the Triceps Surae: An Achilles Heel in Achilles Tendinopathy. Medicine and Science in Sports and Exercise, 2020, 52, 1076-1087.	0.2	22
18	Age-related differences in gastrocnemii muscles and Achilles tendon mechanical properties in vivo. Journal of Biomechanics, 2020, 112, 110067.	0.9	32

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19	HAPPi Kneecaps! Protocol for a participantâ€•and assessorâ€blinded, randomised, parallel group feasibility trial of foot orthoses for adolescents with patellofemoral pain. Journal of Foot and Ankle Research, 2020, 13, 50.	0.7	6
20	The Relationship of Ultrasound Measurements of Muscle Deformation With Torque and Electromyography During Isometric Contractions of the Cervical Extensor Muscles. Journal of Manipulative and Physiological Therapeutics, 2020, 43, 284-293.	0.4	1
21	Consensus for experimental design in electromyography (CEDE) project: Amplitude normalization matrix. Journal of Electromyography and Kinesiology, 2020, 53, 102438.	0.7	170
22	Systematic Review of Instrumented Measures of Skeletal Muscle Mechanical Properties: Evidence for the Application of Shear Wave Elastography with Children. Ultrasound in Medicine and Biology, 2020, 46, 1831-1840.	0.7	13
23	Individuals have unique muscle activation signatures as revealed during gait and pedaling. Journal of Applied Physiology, 2019, 127, 1165-1174.	1.2	38
24	Consensus for experimental design in electromyography (CEDE) project: Electrode selection matrix. Journal of Electromyography and Kinesiology, 2019, 48, 128-144.	0.7	95
25	Ultrasound imaging of dorsal neck muscles with speckle tracking analyses â€“ the relationship between muscle deformation and force. Scientific Reports, 2019, 9, 13688.	1.6	6
26	Neuromotor control during stair ambulation in individuals with patellofemoral osteoarthritis compared to asymptomatic controls. Gait and Posture, 2019, 71, 92-97.	0.6	5
27	Reproducibility of the Kids-BESTest and the Kids-Mini-BESTest for Children With Cerebral Palsy. Archives of Physical Medicine and Rehabilitation, 2019, 100, 695-702.	0.5	11
28	Do individual differences in the distribution of activation between synergist muscles reflect individual strategies?. Experimental Brain Research, 2019, 237, 625-635.	0.7	11
29	Experimental Pain Decreases Corticomuscular Coherence in a Force- But Not a Position-Control Task. Journal of Pain, 2019, 20, 192-200.	0.7	5
30	Relationships between cardiovascular disease risk factors and Achilles tendon structural and mechanical properties in people with Type 2 Diabetes. Muscles, Ligaments and Tendons Journal, 2019, 09, 395.	0.1	6
31	Adductor magnus: An EMG investigation into proximal and distal portions and direction specific action. Clinical Anatomy, 2018, 31, 535-543.	1.5	11
32	Muscle tone assessments for children aged 0 to 12 years: a systematic review. Developmental Medicine and Child Neurology, 2018, 60, 660-671.	1.1	21
33	Achilles and patellar tendinopathy display opposite changes in elastic properties: A shear wave elastography study. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 1201-1208.	1.3	89
34	Response to considerations on â€œAchilles tendinopathy and patellar tendinopathy display opposite changes in elastic propertiesâ€• Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 1471-1472.	1.3	0
35	Heterogeneity of passive elastic properties within the quadriceps femoris muscleâ€“tendon unit. European Journal of Applied Physiology, 2018, 118, 213-221.	1.2	18
36	Foot and ankle characteristics and dynamic knee valgus in individuals with patellofemoral osteoarthritis. Journal of Foot and Ankle Research, 2018, 11, 65.	0.7	16

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37	Clinical features of people with hip-related pain, but no clinical signs of femoroacetabular impingement syndrome. Physical Therapy in Sport, 2018, 34, 201-207.	0.8	5
38	Neuromechanical coupling within the human triceps surae and its consequence on individual force sharing strategies. Journal of Experimental Biology, 2018, 221, .	0.8	38
39	Location-specific responses to nociceptive input support the purposeful nature of motor adaptation to pain. Pain, 2018, 159, 2192-2200.	2.0	14
40	A comparison of fine wire insertion techniques for deep finger flexor muscle electromyography. Journal of Electromyography and Kinesiology, 2018, 41, 77-81.	0.7	4
41	Shear-wave velocity of the patellar tendon and quadriceps muscle is increased immediately after maximal eccentric exercise. European Journal of Applied Physiology, 2018, 118, 1715-1724.	1.2	21
42	Do insertional and midâ€portion Achilles tendinopathy display different material properties?. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 2247-2248.	1.3	0
43	Effect of experimental muscle pain on the acquisition and retention of locomotor adaptation: different motor strategies for a similar performance. Journal of Neurophysiology, 2018, 119, 1647-1657.	0.9	10
44	Surface Electromyography to Study Muscle Coordination. , 2018, , 451-470.		3
45	Directional preference of activation of abdominal and paraspinal muscles during position-control tasks in sitting. Journal of Electromyography and Kinesiology, 2017, 35, 9-16.	0.7	6
46	Reproducibility of the Balance Evaluation Systems Test (BESTest) and the Mini-BESTest in school-aged children. Gait and Posture, 2017, 55, 68-74.	0.6	19
47	Perceived task complexity of trunk stability exercises. Musculoskeletal Science and Practice, 2017, 27, 57-63.	0.6	2
48	Muscle Coordination and the Development of Musculoskeletal Disorders. Exercise and Sport Sciences Reviews, 2017, 45, 201-208.	1.6	41
49	A singleâ€blinded, randomized, parallel group superiority trial investigating the effects of footwear and custom foot orthoses versus footwear alone in individuals with patellofemoral joint osteoarthritis: a phase II pilot trial protocol. Journal of Foot and Ankle Research, 2017, 10, 19.	0.7	9
50	Motor adaptations to local muscle pain during a bilateral cyclic task. Experimental Brain Research, 2017, 235, 607-614.	0.7	9
51	Perspectives on Postural Control Dysfunction to Inform Future Research: A Delphi Study for Children With Cerebral Palsy. Archives of Physical Medicine and Rehabilitation, 2017, 98, 463-479.	0.5	22
52	Motor Adaptations to Pain during a Bilateral Plantarflexion Task: Does the Cost of Using the Non-Painful Limb Matter?. PLoS ONE, 2016, 11, e0154524.	1.1	8
53	Is There a Biomechanical Link Between Patellofemoral Pain and Osteoarthritis? A Narrative Review. Sports Medicine, 2016, 46, 1797-1808.	3.1	82
54	The effects of acute experimental hip muscle pain on dynamic single-limb balance performance in healthy middle-aged adults. Gait and Posture, 2016, 50, 201-206.	0.6	5

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55	Effects of Prolonged and Acute Muscle Pain on the Force Control Strategy During Isometric Contractions. Journal of Pain, 2016, 17, 1116-1125.	0.7	8
56	The relationship of foot and ankle mobility to the frontal plane projection angle in asymptomatic adults. Journal of Foot and Ankle Research, 2016, 9, 3.	0.7	50
57	Reliability of Abdominal Muscle Stiffness Measured Using Elastography during Trunk Rehabilitation Exercises. Ultrasound in Medicine and Biology, 2016, 42, 1018-1025.	0.7	55
58	Surface Electromyography to Study Muscle Coordination. , 2016, , 1-21.		7
59	Altered force-generating capacity is well-perceived regardless of the pain presence.. Journal of Experimental Psychology: Human Perception and Performance, 2016, 42, 1363-1371.	0.7	1
60	Reduced Maximal Force during Acute Anterior Knee Pain Is Associated with Deficits in Voluntary Muscle Activation. PLoS ONE, 2016, 11, e0161487.	1.1	19
61	Movement Evoked Pain and Mechanical Hyperalgesia after Intramuscular Injection of Nerve Growth Factor: A Model of Sustained Elbow Pain. Pain Medicine, 2015, 16, 2180-2191.	0.9	33
62	Elastography for Muscle Biomechanics. Exercise and Sport Sciences Reviews, 2015, 43, 125-133.	1.6	233
63	Experimental pain has a greater effect on single motor unit discharge during force-control than position-control tasks. Clinical Neurophysiology, 2015, 126, 1378-1386.	0.7	11
64	Muscle Force Cannot Be Directly Inferred From Muscle Activation: Illustrated by the Proposed Imbalance of Force Between the Vastus Medialis and Vastus Lateralis in People With Patellofemoral Pain. Journal of Orthopaedic and Sports Physical Therapy, 2015, 45, 360-365.	1.7	50
65	Acute experimental hip muscle pain alters single-leg squat balance in healthy young adults. Gait and Posture, 2015, 41, 871-876.	0.6	11
66	Cortical activity differs between position- and force-control knee extension tasks. Experimental Brain Research, 2015, 233, 3447-3457.	0.7	20
67	Nature of the coupling between neural drive and force-generating capacity in the human quadriceps muscle. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151908.	1.2	35
68	Massage induces an immediate, albeit shortâ€term, reduction in muscle stiffness. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, e490-6.	1.3	67
69	Comparison of Location, Depth, Quality, and Intensity of Experimentally Induced Pain in 6 Low Back Muscles. Clinical Journal of Pain, 2014, 30, 800-808.	0.8	14
70	Does Stress within a Muscle Change in Response to an Acute Noxious Stimulus?. PLoS ONE, 2014, 9, e91899.	1.1	17
71	Deloading Tape Reduces Muscle Stress at Rest and during Contraction. Medicine and Science in Sports and Exercise, 2014, 46, 2317-2325.	0.2	21
72	Does movement variability increase or decrease when a simple wrist task is performed during acute wrist extensor muscle pain?. European Journal of Applied Physiology, 2014, 114, 385-393.	1.2	10

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73	Influence of Experimental Pain on the Perception of Action Capabilities and Performance of a Maximal Single-Leg Hop. Journal of Pain, 2014, 15, 271.e1-271.e7.	0.7	14
74	Between-muscle differences in the adaptation to experimental pain. Journal of Applied Physiology, 2014, 117, 1132-1140.	1.2	23
75	Insight into motor adaptation to pain from between-leg compensation. European Journal of Applied Physiology, 2014, 114, 1057-1065.	1.2	18
76	Task dependency of motor adaptations to an acute noxious stimulation. Journal of Neurophysiology, 2014, 111, 2298-2306.	0.9	24
77	Changes in constraint of proximal segments effects time to task failure and activity of proximal muscles in knee position-control tasks. Clinical Neurophysiology, 2013, 124, 732-739.	0.7	8
78	Effect of pain location on spatial reorganisation of muscle activity. Journal of Electromyography and Kinesiology, 2013, 23, 1413-1420.	0.7	27
79	A double-blind placebo-controlled investigation into the effects of interferential therapy on experimentally induced pain using a cross-over design. International Musculoskeletal Medicine, 2012, 34, 115-122.	0.1	4
80	Similar alteration of motor unit recruitment strategies during the anticipation and experience of pain. Pain, 2012, 153, 636-643.	2.0	62
81	The effect of pain on trainingâ€induced plasticity of the corticomotor system. European Journal of Pain, 2011, 15, 1028-1034.	1.4	32
82	Changes in excitability of corticomotor inputs to the trunk muscles during experimentally-induced acute low back pain. Neuroscience, 2011, 181, 127-133.	1.1	67
83	Moving differently in pain: A new theory to explain the adaptation to pain. Pain, 2011, 152, S90-S98.	2.0	712
84	Experimentally induced low back pain from hypertonic saline injections into lumbar interspinous ligament and erector spinae muscle. Pain, 2010, 150, 167-172.	2.0	52
85	Asymptomatic Spondylolisthesis and Pregnancy. Journal of Orthopaedic and Sports Physical Therapy, 2010, 40, 324-324.	1.7	2
86	Changes in motor unit recruitment strategy during pain alters force direction. European Journal of Pain, 2010, 14, 932-938.	1.4	54
87	Motor Unit Recruitment Strategies Are Altered during Deep-Tissue Pain. Journal of Neuroscience, 2009, 29, 10820-10826.	1.7	119
88	Effect of cancellation on triggered averaging used to determine synchronization between motor unit discharge in separate muscles. Journal of Neuroscience Methods, 2009, 182, 1-5.	1.3	1
89	Motoneurone recruitment is altered with pain induced in non-muscular tissue. Pain, 2009, 141, 151-155.	2.0	66
90	Electromyographic mapping of the erector spinae muscle with varying load and during sustained contraction. Journal of Electromyography and Kinesiology, 2009, 19, 373-379.	0.7	57

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91	Impaired neuromuscular function during isometric, shortening, and lengthening contractions after exercise-induced damage to elbow flexor muscles. Journal of Applied Physiology, 2008, 105, 502-509.	1.2	20
92	Eccentric exercise increases EMG amplitude and force fluctuations during submaximal contractions of elbow flexor muscles. Journal of Applied Physiology, 2007, 103, 979-989.	1.2	85
93	Triceps surae stretch and voluntary contraction alters maximal M-wave magnitude. Journal of Electromyography and Kinesiology, 2007, 17, 203-211.	0.7	13
94	Standardization of H-reflex analyses. Journal of Neuroscience Methods, 2007, 162, 1-7.	1.3	58
95	Heterogeneous mechanomyographic absolute activation of paraspinal muscles assessed by a two-dimensional array during short and sustained contractions. Journal of Biomechanics, 2007, 40, 2663-2671.	0.9	21
96	The role of periodontal mechanoreceptors in mastication. Archives of Oral Biology, 2007, 52, 361-364.	0.8	44
97	Influence of tooth clench on the soleus H-reflex. Archives of Oral Biology, 2007, 52, 374-376.	0.8	13
98	A new method to estimate signal cancellation in the human maximal M-wave. Journal of Neuroscience Methods, 2005, 149, 31-41.	1.3	50
99	A review of the H-reflex and M-wave in the human triceps surae. Human Movement Science, 2005, 24, 667-688.	0.6	96
100	Muscle spindle feedback differs between the soleus and gastrocnemius in humans. Somatosensory & Motor Research, 2004, 21, 189-197.	0.4	52
101	Modulation of the periodontally evoked masseter reflexes by mechanical stimulation of the face. Experimental Brain Research, 2001, 139, 443-447.	0.7	3
102	Moving Is Not as Simple as You May Think. Frontiers for Young Minds, 0, 10, .	0.8	0