Kylie J Tucker

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9563741/publications.pdf

Version: 2024-02-01

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	Moving differently in pain: A new theory to explain the adaptation to pain. Pain, 2011, 152, S90-S98.	2.0	712
2	Elastography for Muscle Biomechanics. Exercise and Sport Sciences Reviews, 2015, 43, 125-133.	1.6	233
3	Consensus for experimental design in electromyography (CEDE) project: Amplitude normalization matrix. Journal of Electromyography and Kinesiology, 2020, 53, 102438.	0.7	170
4	Motor Unit Recruitment Strategies Are Altered during Deep-Tissue Pain. Journal of Neuroscience, 2009, 29, 10820-10826.	1.7	119
5	A review of the H-reflex and M-wave in the human triceps surae. Human Movement Science, 2005, 24, 667-688.	0.6	96
6	Consensus for experimental design in electromyography (CEDE) project: Electrode selection matrix. Journal of Electromyography and Kinesiology, 2019, 48, 128-144.	0.7	95
7	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
8	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
9	Is There a Biomechanical Link Between Patellofemoral Pain and Osteoarthritis? A Narrative Review. Sports Medicine, 2016, 46, 1797-1808.	3.1	82
10	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
11	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
12	Motoneurone recruitment is altered with pain induced in non-muscular tissue. Pain, 2009, 141, 151-155.	2.0	66
13	Similar alteration of motor unit recruitment strategies during the anticipation and experience of pain. Pain, 2012, 153, 636-643.	2.0	62
14	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
15	Standardization of H-reflex analyses. Journal of Neuroscience Methods, 2007, 162, 1-7.	1.3	58
16	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
17	Reliability of Abdominal Muscle Stiffness Measured Using Elastography during Trunk Rehabilitation Exercises. Ultrasound in Medicine and Biology, 2016, 42, 1018-1025.	0.7	55
18	Changes in motor unit recruitment strategy during pain alters force direction. European Journal of Pain, 2010, 14, 932-938.	1.4	54

#	Article	IF	Citations
19	Muscle spindle feedback differs between the soleus and gastrocnemius in humans. Somatosensory & Motor Research, 2004, 21, 189-197.	0.4	52
20	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
21	A new method to estimate signal cancellation in the human maximal M-wave. Journal of Neuroscience Methods, 2005, 149, 31-41.	1.3	50
22	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
23	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
24	The role of periodontal mechanoreceptors in mastication. Archives of Oral Biology, 2007, 52, 361-364.	0.8	44
25	Muscle Coordination and the Development of Musculoskeletal Disorders. Exercise and Sport Sciences Reviews, 2017, 45, 201-208.	1.6	41
26	Neuromechanical coupling within the human triceps surae and its consequence on individual force sharing strategies. Journal of Experimental Biology, 2018, 221, .	0.8	38
27	Individuals have unique muscle activation signatures as revealed during gait and pedaling. Journal of Applied Physiology, 2019, 127, 1165-1174.	1.2	38
28	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
29	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
30	The effect of pain on trainingâ€induced plasticity of the corticomotor system. European Journal of Pain, 2011, 15, 1028-1034.	1.4	32
31	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
32	Age-related differences in gastrocnemii muscles and Achilles tendon mechanical properties in vivo. Journal of Biomechanics, 2020, 112, 110067.	0.9	32
33	Consensus for experimental design in electromyography (CEDE) project: Terminology matrix. Journal of Electromyography and Kinesiology, 2021, 59, 102565.	0.7	29
34	Effect of pain location on spatial reorganisation of muscle activity. Journal of Electromyography and Kinesiology, 2013, 23, 1413-1420.	0.7	27
35	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
36	Task dependency of motor adaptations to an acute noxious stimulation. Journal of Neurophysiology, 2014, 111, 2298-2306.	0.9	24

#	Article	IF	Citations
37	Between-muscle differences in the adaptation to experimental pain. Journal of Applied Physiology, 2014, 117, 1132-1140.	1.2	23
38	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
39	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
40	Consensus for experimental design in electromyography (CEDE) project: High-density surface electromyography matrix. Journal of Electromyography and Kinesiology, 2022, 64, 102656.	0.7	22
41	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
42	Deloading Tape Reduces Muscle Stress at Rest and during Contraction. Medicine and Science in Sports and Exercise, 2014, 46, 2317-2325.	0.2	21
43	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
44	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
45	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
46	Cortical activity differs between position- and force-control knee extension tasks. Experimental Brain Research, 2015, 233, 3447-3457.	0.7	20
47	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
48	Reduced Maximal Force during Acute Anterior Knee Pain Is Associated with Deficits in Voluntary Muscle Activation. PLoS ONE, 2016, 11, e0161487.	1.1	19
49	Insight into motor adaptation to pain from between-leg compensation. European Journal of Applied Physiology, 2014, 114, 1057-1065.	1.2	18
50	Heterogeneity of passive elastic properties within the quadriceps femoris muscleâ€“tendon unit. European Journal of Applied Physiology, 2018, 118, 213-221.	1.2	18
51	Does Stress within a Muscle Change in Response to an Acute Noxious Stimulus?. PLoS ONE, 2014, 9, e91899.	1.1	17
52	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
53	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
54	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

#	Article	IF	Citations
55	Location-specific responses to nociceptive input support the purposeful nature of motor adaptation to pain. Pain, 2018, 159, 2192-2200.	2.0	14
56	Triceps surae stretch and voluntary contraction alters maximal M-wave magnitude. Journal of Electromyography and Kinesiology, 2007, 17, 203-211.	0.7	13
57	Influence of tooth clench on the soleus H-reflex. Archives of Oral Biology, 2007, 52, 374-376.	0.8	13
58	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
59	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
60	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
61	Acute experimental hip muscle pain alters single-leg squat balance in healthy young adults. Gait and Posture, 2015, 41, 871-876.	0.6	11
62	Adductor magnus: An EMG investigation into proximal and distal portions and direction specific action. Clinical Anatomy, 2018, 31, 535-543.	1.5	11
63	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
64	Do individual differences in the distribution of activation between synergist muscles reflect individual strategies?. Experimental Brain Research, 2019, 237, 625-635.	0.7	11
65	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
66	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
67	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
68	Motor adaptations to local muscle pain during a bilateral cyclic task. Experimental Brain Research, 2017, 235, 607-614.	0.7	9
69	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
70	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
71	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
72	Surface Electromyography to Study Muscle Coordination. , 2016, , 1-21.		7

#	Article	IF	Citations
73	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
74	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
75	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
76	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
77	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
78	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
79	Neuromotor control during stair ambulation in individuals with patellofemoral osteoarthritis compared to asymptomatic controls. Gait and Posture, 2019, 71, 92-97.	0.6	5
80	Experimental Pain Decreases Corticomuscular Coherence in a Force- But Not a Position-Control Task. Journal of Pain, 2019, 20, 192-200.	0.7	5
81	Non-uniform Effects of Nociceptive Stimulation to Motoneurones during Experimental Muscle Pain. Neuroscience, 2021, 463, 45-56.	1.1	5
82	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
83	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
84	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
85	Muscle architecture and shape changes in the gastrocnemii of active younger and older adults. Journal of Biomechanics, 2021, 129, 110823.	0.9	4
86	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
87	HAPPi Kneecaps! A doubleâ€blind, randomised, parallel group superiority trial investigating the effects of sHoe inserts for adolescents with patellofemoral PaIn: phase II feasibility study. Journal of Foot and Ankle Research, 2021, 14, 64.	0.7	4
88	Modulation of the periodontally evoked masseter reflexes by mechanical stimulation of the face. Experimental Brain Research, 2001, 139, 443-447.	0.7	3
89	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
90	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

#	Article	IF	Citations
91	Surface Electromyography to Study Muscle Coordination. , 2018, , 451-470.		3
92	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
93	Motor Unit Recruitment is Altered When Acute Experimental Pain is Induced at a Site Distant to the Contracting Muscle. Neuroscience, 2022, , .	1.1	3
94	Asymptomatic Spondylolisthesis and Pregnancy. Journal of Orthopaedic and Sports Physical Therapy, 2010, 40, 324-324.	1.7	2
95	Perceived task complexity of trunk stability exercises. Musculoskeletal Science and Practice, 2017, 27, 57-63.	0.6	2
96	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
97	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
98	A profile of reference data for shear modulus for lower limb muscles in typically developing children. Clinical Biomechanics, 2021, 83, 105254.	0.5	1
99	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
100	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
101	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
102	Moving Is Not as Simple as You May Think. Frontiers for Young Minds, 0, 10, .	0.8	0