

# Amity Cree Campbell

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

1,235  
citations

331670

21  
h-index

414414

32  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1440  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting Knee Joint Kinematics from Wearable Sensor Data in People with Knee Osteoarthritis and Clinical Considerations for Future Machine Learning Models. <i>Sensors</i> , 2022, 22, 446.	3.8	21
2	Does intra-lumbar flexion during lifting differ in manual workers with and without a history of low back pain? A cross-sectional laboratory study. <i>Ergonomics</i> , 2022, 65, 1380-1396.	2.1	1
3	Movement quantity and quality: How do they relate to pain and disability in dancers?. <i>PLoS ONE</i> , 2022, 17, e0268444.	2.5	2
4	Physiotherapists could detect changes of 12 degrees or more in single-plane movement when observing forward bending, squat or hand-over-head: A cross-sectional experiment. <i>Musculoskeletal Science and Practice</i> , 2022, 61, 102594.	1.3	4
5	Application of Inertial Measurement Units and Machine Learning Classification in Cerebral Palsy: Randomized Controlled Trial. <i>JMIR Rehabilitation and Assistive Technologies</i> , 2021, 8, e29769.	2.2	8
6	Human Activity Recognition for People with Knee Osteoarthritis—A Proof-of-Concept. <i>Sensors</i> , 2021, 21, 3381.	3.8	7
7	Exploring lumbar and lower limb kinematics and kinetics for evidence that lifting technique is associated with LBP. <i>PLoS ONE</i> , 2021, 16, e0254241.	2.5	8
8	To Flex or Not to Flex? Is There a Relationship Between Lumbar Spine Flexion During Lifting and Low Back Pain? A Systematic Review With Meta-analysis. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2020, 50, 121-130.	3.5	48
9	An Exploration of Machine-Learning Estimation of Ground Reaction Force from Wearable Sensor Data. <i>Sensors</i> , 2020, 20, 740.	3.8	12
10	An Exploration of Pre-Professional Dancers' Beliefs of the Low Back and Dance-Specific Low Back Movements. <i>Medical Problems of Performing Artists</i> , 2019, 34, 141-146.	0.4	4
11	Validation of custom wearable sensors to measure angle kinematics: A technical report. <i>Health and Technology</i> , 2019, 9, 887-892.	3.6	3
12	The Difference in Lower Limb Landing Kinematics Between Adolescent Dancers and Non-Dancers. <i>Journal of Dance Medicine and Science</i> , 2019, 23, 72-79.	0.7	7
13	Texting with touchscreen and keypad phones - A comparison of thumb kinematics, upper limb muscle activity, exertion, discomfort, and performance. <i>Applied Ergonomics</i> , 2018, 70, 232-239.	3.1	38
14	Measurement of Upper Limb Range of Motion Using Wearable Sensors: A Systematic Review. <i>Sports Medicine - Open</i> , 2018, 4, 53.	3.1	71
15	Differences in lower limb biomechanics between ballet dancers and non-dancers during functional landing tasks. <i>Physical Therapy in Sport</i> , 2018, 32, 180-186.	1.9	9
16	Abdominal bracing during lifting alters trunk muscle activity and body kinematics. <i>Applied Ergonomics</i> , 2017, 63, 91-98.	3.1	15
17	Understanding why an active video game intervention did not improve motor skill and physical activity in children with developmental coordination disorder: A quantity or quality issue?. <i>Research in Developmental Disabilities</i> , 2017, 60, 1-12.	2.2	25
18	Lumbar Mechanics in Tennis Groundstrokes: Differences in Elite Adolescent Players With and Without Low Back Pain. <i>Journal of Applied Biomechanics</i> , 2016, 32, 32-39.	0.8	17

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19	Lumbar load in adolescent fast bowlers: A prospective injury study. <i>Journal of Science and Medicine in Sport</i> , 2016, 19, 117-122.	1.3	49
20	Abdominal Bracing Increases Ground Reaction Forces and Reduces Knee and Hip Flexion During Landing. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2016, 46, 286-292.	3.5	13
21	Achilles tendinopathy alters stretch shortening cycle behaviour during a sub-maximal hopping task. <i>Journal of Science and Medicine in Sport</i> , 2016, 19, 69-73.	1.3	20
22	Spinal Kinematics of Adolescent Male Rowers with Back Pain in Comparison with Matched Controls During Ergometer Rowing. <i>Journal of Applied Biomechanics</i> , 2015, 31, 459-468.	0.8	17
23	Greater lower limb flexion in gymnastic landings is associated with reduced landing force: a repeated measures study. <i>Sports Biomechanics</i> , 2015, 14, 45-56.	1.6	29
24	Cognitive functional approach to manage low back pain in male adolescent rowers: a randomised controlled trial. <i>British Journal of Sports Medicine</i> , 2015, 49, 1125-1131.	6.7	21
25	Responsiveness of Clinical and Laboratory Measures to Intervention Effects in Children With Developmental Coordination Disorder. <i>Pediatric Physical Therapy</i> , 2015, 27, 44-51.	0.6	5
26	Children With Developmental Coordination Disorder Play Active Virtual Reality Games Differently Than Children With Typical Development. <i>Physical Therapy</i> , 2015, 95, 360-368.	2.4	22
27	Back Pain in Tennis Players. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 351-357.	0.4	25
28	Lumbar spine side bending is reduced in end range extension compared to neutral and end range flexion postures. <i>Manual Therapy</i> , 2014, 19, 114-118.	1.6	8
29	A comparison of the upper limb movement kinematics utilized by children playing virtual and real table tennis. <i>Human Movement Science</i> , 2014, 38, 84-93.	1.4	13
30	Evidence-based guidelines for wise use of electronic games by children. <i>Ergonomics</i> , 2014, 57, 471-489.	2.1	38
31	Self-reported prevalence, pain intensity and risk factors of low back pain in adolescent rowers. <i>Journal of Science and Medicine in Sport</i> , 2014, 17, 266-270.	1.3	47
32	Capturing the Pattern of Physical Activity and Sedentary Behavior: Exposure Variation Analysis of Accelerometer Data. <i>Journal of Physical Activity and Health</i> , 2014, 11, 614-625.	2.0	31
33	Cognitive Functional Therapy for the Management of Low Back Pain in an Adolescent Male Rower: A Case Report. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2013, 43, 542-554.	3.5	18
34	Response Time, Pistol Fire Position Variability, and Pistol Draw Success Rates for Hip and Thigh Holsters. <i>Human Factors</i> , 2013, 55, 425-434.	3.5	7
35	Upper and lower lumbar segments move differently during sit-to-stand. <i>Manual Therapy</i> , 2013, 18, 390-394.	1.6	31
36	Lumbo-pelvic loading during fast bowling in adolescent cricketers: The influence of bowling speed and technique. <i>Journal of Sports Sciences</i> , 2013, 31, 1082-1090.	2.0	32

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37	Stability of lower limb minimal perceptible difference in floor height during hopping stretch-shortening cycles. <i>Physiological Measurement</i> , 2013, 34, 1375-1386.	2.1	6
38	Gender Differences in Trunk and Pelvic Kinematics During Prolonged Ergometer Rowing in Adolescents. <i>Journal of Applied Biomechanics</i> , 2013, 29, 180-187.	0.8	19
39	Comparison of Upper Arm Kinematics During a Volleyball Spike Between Players With and Without a History of Shoulder Injury. <i>Journal of Applied Biomechanics</i> , 2013, 29, 155-164.	0.8	13
40	Kinetic Sensitivity of a New Lumbo-Pelvic Model to Variation in Segment Parameter Input. <i>Journal of Applied Biomechanics</i> , 2013, 29, 354-359.	0.8	10
41	Lumbo-Pelvic Biomechanics and Quadratus Lumborum Asymmetry in Cricket Fast Bowlers. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 778-783.	0.4	18
42	Lumbar Loading in the Elite Adolescent Tennis Serve. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1562-1568.	0.4	42
43	Investigation of Spinal Posture Signatures and Ground Reaction Forces During Landing in Elite Female Gymnasts. <i>Journal of Applied Biomechanics</i> , 2012, 28, 677-686.	0.8	43
44	Translation equations to compare ActiGraph GT3X and Actical accelerometers activity counts. <i>BMC Medical Research Methodology</i> , 2012, 12, 54.	3.1	26
45	Towards monitoring lumbo-pelvic posture in real-life situations: Concurrent validity of a novel posture monitor and a traditional laboratory-based motion analysis system. <i>Manual Therapy</i> , 2012, 17, 77-83.	1.6	46
46	The lumbar spine of the young cricket fast bowler: An MRI study. <i>Journal of Science and Medicine in Sport</i> , 2012, 15, 190-194.	1.3	33
47	Biering-Sorensen test performance of Japanese young males: comparison with other ethnicities and relationship to electromyography, near-infrared spectroscopy and exertion ratings. <i>Ergonomics</i> , 2011, 54, 636-655.	2.1	7
48	An Exploration of the Relationship Between Back Muscle Endurance and Familial, Physical, Lifestyle, and Psychosocial Factors in Adolescents and Young Adults. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2011, 41, 486-495.	3.5	11
49	In vivo laboratory validation of the physiometer: a measurement system for long-term recording of posture and movements in the workplace. <i>Ergonomics</i> , 2010, 53, 672-684.	2.1	21
50	Are neck pain and posture related?. <i>Physical Therapy Reviews</i> , 2010, 15, 115-116.	0.8	3
51	The Relationship Between Back Muscle Endurance and Physical, Lifestyle, and Psychological Factors in Adolescents. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2010, 40, 517-523.	3.5	34
52	The Effects of Walking and Cycling Computer Workstations on Keyboard and Mouse Performance. <i>Human Factors</i> , 2009, 51, 831-844.	3.5	126
53	Effects of different technical coordinate system definitions on the three dimensional representation of the glenohumeral joint centre. <i>Medical and Biological Engineering and Computing</i> , 2009, 47, 543-550.	2.8	36
54	Caution: The use of an electromagnetic device to measure trunk kinematics on rowing ergometers. <i>Sports Biomechanics</i> , 2009, 8, 255-259.	1.6	15