

# Jason C Gillette

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37  
papers

760  
citations

12  
h-index

27  
g-index

43  
ext. papers

884  
ext. citations

2.1  
avg, IF

4.09  
L-index

#	Paper	IF	Citations
37	Finite element analysis of femoral neck strains during stair ascent and descent. <i>Scientific Reports</i> , <b>2021</b> , 11, 9183	4.9	0
36	Measuring femoral neck loads in healthy young and older adults during stair ascent and descent. <i>PLoS ONE</i> , <b>2021</b> , 16, e0245658	3.7	
35	Alterations in medial-lateral postural control after anterior cruciate ligament reconstruction during stair use. <i>Gait and Posture</i> , <b>2020</b> , 77, 283-287	2.6	2
34	Mediolateral postural stability when carrying asymmetric loads during stair negotiation. <i>Applied Ergonomics</i> , <b>2020</b> , 85, 103057	4.2	5
33	Electromyographic Assessment of a Shoulder Support Exoskeleton During on-Site Job Tasks. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , <b>2019</b> , 7, 302-310	4	22
32	Acute Effects of Wedge Orthoses and Sex on Iliotibial Band Strain During Overground Running in Nonfatiguing Conditions. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , <b>2019</b> , 49, 743-750	4.2	2
31	Femoral Neck Stress in Older Adults During Stair Ascent and Descent. <i>Journal of Applied Biomechanics</i> , <b>2018</b> , 34, 191-198	1.2	6
30	Carrying asymmetric loads during stair negotiation: Loaded limb stance vs. unloaded limb stance. <i>Gait and Posture</i> , <b>2018</b> , 64, 213-219	2.6	3
29	Carrying asymmetric loads while walking on an uneven surface. <i>Gait and Posture</i> , <b>2018</b> , 65, 39-44	2.6	4
28	Carrying asymmetric loads during stair negotiation. <i>Gait and Posture</i> , <b>2017</b> , 53, 67-72	2.6	5
27	Kinematic and Kinetic Indicators of Sit-to-Stand. <i>Journal of Applied Biomechanics</i> , <b>2016</b> , 32, 7-15	1.2	8
26	Muscle activity amplitudes and co-contraction during stair ambulation following anterior cruciate ligament reconstruction. <i>Journal of Electromyography and Kinesiology</i> , <b>2015</b> , 25, 298-304	2.5	28
25	Prognosis of anterior cruciate ligament reconstruction: a data-driven approach. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2015</b> , 471, 20140526	2.4	2
24	Medial knee joint loading during stair ambulation and walking while carrying loads. <i>Gait and Posture</i> , <b>2013</b> , 37, 460-2	2.6	15
23	The effects of postseason break on knee biomechanics and lower extremity EMG in a stop-jump task: implications for ACL injury. <i>Journal of Applied Biomechanics</i> , <b>2012</b> , 28, 708-17	1.2	12
22	Lower extremity joint moments during carrying tasks in children. <i>Journal of Applied Biomechanics</i> , <b>2012</b> , 28, 156-64	1.2	2
21	The effects of symmetric and asymmetric foot placements on sit-to-stand joint moments. <i>Gait and Posture</i> , <b>2012</b> , 35, 78-82	2.6	24

20	Gait analysis post anterior cruciate ligament reconstruction: knee osteoarthritis perspective. <i>Gait and Posture</i> , <b>2012</b> , 36, 56-60	2.6	83
19	The effects of postseason break on stabilometric performance in female volleyball players. <i>Sports Biomechanics</i> , <b>2010</b> , 9, 115-22	2.2	9
18	The effects of age and type of carrying task on lower extremity kinematics. <i>Ergonomics</i> , <b>2010</b> , 53, 355-64	2.9	10
17	Effects of running speed on a probabilistic stress fracture model. <i>Clinical Biomechanics</i> , <b>2010</b> , 25, 372-7	2.2	57
16	Muscle forces during running predicted by gradient-based and random search static optimisation algorithms. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , <b>2009</b> , 12, 217-225	2.1	15
15	Effects of stride length and running mileage on a probabilistic stress fracture model. <i>Medicine and Science in Sports and Exercise</i> , <b>2009</b> , 41, 2177-84	1.2	121
14	Upper extremity and lower back moments during carrying tasks in farm children. <i>Journal of Applied Biomechanics</i> , <b>2009</b> , 25, 149-55	1.2	8
13	Alternative foot placements for individuals with spinal cord injuries standing with the assistance of functional neuromuscular stimulation. <i>Gait and Posture</i> , <b>2008</b> , 27, 280-5	2.6	3
12	Internal femoral forces and moments during running: implications for stress fracture development. <i>Clinical Biomechanics</i> , <b>2008</b> , 23, 1269-78	2.2	72
11	Continuous relative phase variability during an exhaustive run in runners with a history of iliotibial band syndrome. <i>Journal of Applied Biomechanics</i> , <b>2008</b> , 24, 262-70	1.2	91
10	Lower extremity mechanics of iliotibial band syndrome during an exhaustive run. <i>Gait and Posture</i> , <b>2007</b> , 26, 407-13	2.6	77
9	Optimization of foot placement for individuals with total knee replacements during sit-to-stand transfers. <i>Biomedical Sciences Instrumentation</i> , <b>2006</b> , 42, 524-9	0.7	2
8	Support torques during simulated sit-to-stand movements. <i>Biomedical Sciences Instrumentation</i> , <b>2005</b> , 41, 7-12	0.7	
7	NMES-assisted standing model from varied seated postures. <i>Biomedical Sciences Instrumentation</i> , <b>2004</b> , 40, 30-5	0.7	
6	The effect of using laparoscopic instruments on muscle activation patterns during minimally invasive surgical training procedures. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2003</b> , 17, 462-5	5.2	48
5	Changes in postural mechanics associated with different types of minimally invasive surgical training exercises. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2003</b> , 17, 259-63	5.2	9
4	Foot placement alters the mechanisms of postural control while standing and reaching. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2003</b> , 11, 377-85	4.8	10
3	Simulation of functional neuromuscular stimulation assisted sit-to-stand movements. <i>Biomedical Sciences Instrumentation</i> , <b>2003</b> , 39, 300-5	0.7	1

- 2 Center of pressure measures to assess standing performance. *Biomedical Sciences Instrumentation*, **2002**, 38, 239-44 0.7 4
- 1 Finite Element Analysis of Femoral Strains in Older Adults During Stair Ascent and Descent. *Journal of Science in Sport and Exercise*,1 1