

# Winson C C Lee

## List of Publications by Citations

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44  
papers

920  
citations

18  
h-index

29  
g-index

48  
ext. papers

1,087  
ext. citations

2.6  
avg, IF

4.26  
L-index

#	Paper	IF	Citations
44	Evaluation of the Microsoft Kinect as a clinical assessment tool of body sway. <i>Gait and Posture</i> , <b>2014</b> , 40, 532-8	2.6	92
43	Kinetics of transfemoral amputees with osseointegrated fixation performing common activities of daily living. <i>Clinical Biomechanics</i> , <b>2007</b> , 22, 665-73	2.2	79
42	Load transfer mechanics between trans-tibial prosthetic socket and residual limb--dynamic effects. <i>Journal of Biomechanics</i> , <b>2004</b> , 37, 1371-7	2.9	79
41	Finite element modeling of the contact interface between trans-tibial residual limb and prosthetic socket. <i>Medical Engineering and Physics</i> , <b>2004</b> , 26, 655-62	2.4	73
40	Magnitude and variability of loading on the osseointegrated implant of transfemoral amputees during walking. <i>Medical Engineering and Physics</i> , <b>2008</b> , 30, 825-33	2.4	63
39	Balance Improvement Effects of Biofeedback Systems with State-of-the-Art Wearable Sensors: A Systematic Review. <i>Sensors</i> , <b>2016</b> , 16, 434	3.8	54
38	FE stress analysis of the interface between the bone and an osseointegrated implant for amputees--implications to refine the rehabilitation program. <i>Clinical Biomechanics</i> , <b>2008</b> , 23, 1243-50	2.2	39
37	Using computational simulation to aid in the prediction of socket fit: a preliminary study. <i>Medical Engineering and Physics</i> , <b>2007</b> , 29, 923-9	2.4	31
36	Design of monolimb using finite element modelling and statistics-based Taguchi method. <i>Clinical Biomechanics</i> , <b>2005</b> , 20, 759-66	2.2	30
35	A Vibrotactile and Plantar Force Measurement-Based Biofeedback System: Paving the Way towards Wearable Balance-Improving Devices. <i>Sensors</i> , <b>2015</b> , 15, 31709-22	3.8	27
34	A quasi-dynamic nonlinear finite element model to investigate prosthetic interface stresses during walking for trans-tibial amputees. <i>Clinical Biomechanics</i> , <b>2005</b> , 20, 630-5	2.2	25
33	Finite-element analysis to determine effect of monolimb flexibility on structural strength and interaction between residual limb and prosthetic socket. <i>Journal of Rehabilitation Research and Development</i> , <b>2004</b> , 41, 775-86		25
32	Dynamic impression insole in rheumatoid foot with metatarsal pain. <i>Clinical Biomechanics</i> , <b>2012</b> , 27, 196-201		22
31	Effectiveness of adjustable dorsiflexion night splint in combination with accommodative foot orthosis on plantar fasciitis. <i>Journal of Rehabilitation Research and Development</i> , <b>2012</b> , 49, 1557-64		22
30	Changes in gait and plantar foot loading upon using vibrotactile wearable biofeedback system in patients with stroke. <i>Topics in Stroke Rehabilitation</i> , <b>2018</b> , 25, 20-27	2.6	19
29	Long-distance walking effects on trans-tibial amputees compensatory gait patterns and implications on prosthetic designs and training. <i>Gait and Posture</i> , <b>2012</b> , 35, 328-33	2.6	19
28	Regulation of HAS expression in human synovial lining cells of TMJ by IL-1beta. <i>Archives of Oral Biology</i> , <b>2008</b> , 53, 60-5	2.8	19

27	Quantifying the regional load-bearing ability of trans-tibial stumps. <i>Prosthetics and Orthotics International</i> , <b>2006</b> , 30, 25-34	1.5	18
26	Joint and plantar loading in table tennis topspin forehand with different footwork. <i>European Journal of Sport Science</i> , <b>2019</b> , 19, 471-479	3.9	16
25	Does long-distance walking improve or deteriorate walking stability of transtibial amputees?. <i>Clinical Biomechanics</i> , <b>2015</b> , 30, 867-73	2.2	13
24	Effects of long-distance walking on socket-limb interface pressure, tactile sensitivity and subjective perceptions of trans-tibial amputees. <i>Disability and Rehabilitation</i> , <b>2013</b> , 35, 888-93	2.4	13
23	Gait analysis of low-cost flexible-shank transtibial prostheses. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2006</b> , 14, 370-7	4.8	13
22	High-intensity stepwise conditioning programme for improved exercise responses and agility performance of a badminton player with knee pain. <i>Physical Therapy in Sport</i> , <b>2015</b> , 16, 80-5	3	12
21	A wearable vibrotactile biofeedback system improves balance control of healthy young adults following perturbations from quiet stance. <i>Human Movement Science</i> , <b>2017</b> , 55, 54-60	2.4	12
20	Comprehensive Gait Analysis of Healthy Older Adults Who Have Undergone Long-Distance Walking. <i>Journal of Aging and Physical Activity</i> , <b>2017</b> , 25, 367-377	1.6	12
19	A numerical approach to evaluate the fatigue life of monolimb. <i>Medical Engineering and Physics</i> , <b>2006</b> , 28, 290-6	2.4	12
18	Gait asymmetry and variability in older adults during long-distance walking: Implications for gait instability. <i>Clinical Biomechanics</i> , <b>2020</b> , 72, 37-43	2.2	12
17	Effects of foot orthoses on dynamic balance and basketball free-throw accuracy before and after physical fatigue. <i>Journal of Biomechanics</i> , <b>2019</b> , 96, 109338	2.9	8
16	Comparison of custom-moulded ankle orthosis with hinged joints and off-the-shelf ankle braces in preventing ankle sprain in lateral cutting movements. <i>Prosthetics and Orthotics International</i> , <b>2012</b> , 36, 190-5	1.5	7
15	Fatigue test of low-cost flexible-shank monolimb trans-tibial prosthesis. <i>Prosthetics and Orthotics International</i> , <b>2006</b> , 30, 305-15	1.5	7
14	Biomechanical approach in facilitating long-distance walking of elderly people using footwear modifications. <i>Gait and Posture</i> , <b>2018</b> , 64, 101-107	2.6	7
13	Is it important to position foot in subtalar joint neutral position during non-weight-bearing molding for foot orthoses?. <i>Journal of Rehabilitation Research and Development</i> , <b>2012</b> , 49, 459-66		6
12	Biomechanics of Table Tennis: A Systematic Scoping Review of Playing Levels and Maneuvers. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 5203	2.6	6
11	Effects of orthopedic insoles on static balance of older adults wearing thick socks. <i>Prosthetics and Orthotics International</i> , <b>2018</b> , 42, 357-362	1.5	5
10	Biomechanics of lower limb in badminton lunge: a systematic scoping review. <i>PeerJ</i> , <b>2020</b> , 8, e10300	3.1	5

9	Effects of Wearable Devices with Biofeedback on Biomechanical Performance of Running-A Systematic Review. <i>Sensors</i> , <b>2020</b> , 20,	3.8	4
8	Effects of heel lifting on transtibial amputee gait before and after treadmill walking: a case study. <i>Prosthetics and Orthotics International</i> , <b>2013</b> , 37, 317-23	1.5	3
7	Regional plantar foot pressure distributions on high-heeled shoes-shank curve effects. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2011</b> , 27, 1091-1097	2	3
6	Effects of shoe heel height on loading and muscle activity for trans-tibial amputees during standing. <i>Tsinghua Science and Technology</i> , <b>2009</b> , 14, 281-286	3.4	3
5	Finite Element Modeling to Aid in Refining the Rehabilitation of Amputees Using Osseointegrated Prostheses. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 655-658	0.9	1
4	Novel Soft Haptic Biofeedback Pilot Study on Postural Balance and Proprioception. <i>Sensors</i> , <b>2022</b> , 22, 3779	3.8	1
3	Assessment of biomedical engineering knowledge using true-false questions.. <i>Physical and Engineering Sciences in Medicine</i> , <b>2022</b> , 45, 273	7	
2	Smart Approaches in Facilitating Engineering Students to Learn Health Technology. <i>Smart Innovation, Systems and Technologies</i> , <b>2019</b> , 175-182	0.5	
1	Residual Limb Model for Osteointegration <b>2014</b> , 163-171		