Winson C C Lee

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.

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	Assessment of biomedical engineering knowledge using true-false questions.. *Physical and Engineering Sciences in Medicine*, **2022**, 45, 273	7	
43	Novel Soft Haptic Biofeedback Pilot Study on Postural Balance and Proprioception. *Sensors*, **2022**, 22, 3779	3.8	1
42	Biomechanics of lower limb in badminton lunge: a systematic scoping review. *PeerJ*, **2020**, 8, e10300	3.1	5
41	Gait asymmetry and variability in older adults during long-distance walking: Implications for gait instability. *Clinical Biomechanics*, **2020**, 72, 37-43	2.2	12
40	Effects of Wearable Devices with Biofeedback on Biomechanical Performance of Running-A Systematic Review. *Sensors*, **2020**, 20,	3.8	4
39	Biomechanics of Table Tennis: A Systematic Scoping Review of Playing Levels and Maneuvers. *Applied Sciences (Switzerland)*, **2020**, 10, 5203	2.6	6
38	Effects of foot orthoses on dynamic balance and basketball free-throw accuracy before and after physical fatigue. *Journal of Biomechanics*, **2019**, 96, 109338	2.9	8
37	Smart Approaches in Facilitating Engineering Students to Learn Health Technology. *Smart Innovation, Systems and Technologies*, **2019**, 175-182	0.5	
36	Joint and plantar loading in table tennis topspin forehand with different footwork. *European Journal of Sport Science*, **2019**, 19, 471-479	3.9	16
35	Effects of orthopedic insoles on static balance of older adults wearing thick socks. *Prosthetics and Orthotics International*, **2018**, 42, 357-362	1.5	5
34	Changes in gait and plantar foot loading upon using vibrotactile wearable biofeedback system in patients with stroke. *Topics in Stroke Rehabilitation*, **2018**, 25, 20-27	2.6	19
33	Biomechanical approach in facilitating long-distance walking of elderly people using footwear modifications. *Gait and Posture*, **2018**, 64, 101-107	2.6	7
32	A wearable vibrotactile biofeedback system improves balance control of healthy young adults following perturbations from quiet stance. *Human Movement Science*, **2017**, 55, 54-60	2.4	12
31	Comprehensive Gait Analysis of Healthy Older Adults Who Have Undergone Long-Distance Walking. *Journal of Aging and Physical Activity*, **2017**, 25, 367-377	1.6	12
30	Balance Improvement Effects of Biofeedback Systems with State-of-the-Art Wearable Sensors: A Systematic Review. *Sensors*, **2016**, 16, 434	3.8	54
29	High-intensity stepwise conditioning programme for improved exercise responses and agility performance of a badminton player with knee pain. *Physical Therapy in Sport*, **2015**, 16, 80-5	3	12
28	Does long-distance walking improve or deteriorate walking stability of transtibial amputees?. *Clinical Biomechanics*, **2015**, 30, 867-73	2.2	13

27	A Vibrotactile and Plantar Force Measurement-Based Biofeedback System: Paving the Way towards Wearable Balance-Improving Devices. *Sensors*, **2015**, 15, 31709-22	3.8	27
26	Evaluation of the Microsoft Kinect as a clinical assessment tool of body sway. *Gait and Posture*, **2014**, 40, 532-8	2.6	92
25	Residual Limb Model for Osteointegration **2014**, 163-171		
24	Effects of long-distance walking on socket-limb interface pressure, tactile sensitivity and subjective perceptions of trans-tibial amputees. *Disability and Rehabilitation*, **2013**, 35, 888-93	2.4	13
23	Effects of heel lifting on transtibial amputee gait before and after treadmill walking: a case study. *Prosthetics and Orthotics International*, **2013**, 37, 317-23	1.5	3
22	Dynamic impression insole in rheumatoid foot with metatarsal pain. *Clinical Biomechanics*, **2012**, 27, 196-201	2.2	22
21	Long-distance walking effects on trans-tibial amputees compensatory gait patterns and implications on prosthetic designs and training. *Gait and Posture*, **2012**, 35, 328-33	2.6	19
20	Is it important to position foot in subtalar joint neutral position during non-weight-bearing molding for foot orthoses?. *Journal of Rehabilitation Research and Development*, **2012**, 49, 459-66		6
19	Effectiveness of adjustable dorsiflexion night splint in combination with accommodative foot orthosis on plantar fasciitis. *Journal of Rehabilitation Research and Development*, **2012**, 49, 1557-64		22
18	Comparison of custom-moulded ankle orthosis with hinged joints and off-the-shelf ankle braces in preventing ankle sprain in lateral cutting movements. *Prosthetics and Orthotics International*, **2012**, 36, 190-5	1.5	7
17	Regional plantar foot pressure distributions on high-heeled shoes-shank curve effects. *Acta Mechanica Sinica/Lixue Xuebao*, **2011**, 27, 1091-1097	2	3
16	Effects of shoe heel height on loading and muscle activity for trans-tibial amputees during standing. *Tsinghua Science and Technology*, **2009**, 14, 281-286	3.4	3
15	Regulation of HAS expression in human synovial lining cells of TMJ by IL-1beta. *Archives of Oral Biology*, **2008**, 53, 60-5	2.8	19
14	FE stress analysis of the interface between the bone and an osseointegrated implant for amputees--implications to refine the rehabilitation program. *Clinical Biomechanics*, **2008**, 23, 1243-50	2.2	39
13	Magnitude and variability of loading on the osseointegrated implant of transfemoral amputees during walking. *Medical Engineering and Physics*, **2008**, 30, 825-33	2.4	63
12	Using computational simulation to aid in the prediction of socket fit: a preliminary study. *Medical Engineering and Physics*, **2007**, 29, 923-9	2.4	31
11	Kinetics of transfemoral amputees with osseointegrated fixation performing common activities of daily living. *Clinical Biomechanics*, **2007**, 22, 665-73	2.2	79
10	Finite Element Modeling to Aid in Refining the Rehabilitation of Amputees Using Osseointegrated Prostheses. *Lecture Notes in Computer Science*, **2007**, 655-658	0.9	1

9	A numerical approach to evaluate the fatigue life of monolimb. *Medical Engineering and Physics*, **2006**, 28, 290-6	2.4	12
8	Gait analysis of low-cost flexible-shank transtibial prostheses. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, **2006**, 14, 370-7	4.8	13
7	Fatigue test of low-cost flexible-shank monolimb trans-tibial prosthesis. *Prosthetics and Orthotics International*, **2006**, 30, 305-15	1.5	7
6	Quantifying the regional load-bearing ability of trans-tibial stumps. *Prosthetics and Orthotics International*, **2006**, 30, 25-34	1.5	18
5	A quasi-dynamic nonlinear finite element model to investigate prosthetic interface stresses during walking for trans-tibial amputees. *Clinical Biomechanics*, **2005**, 20, 630-5	2.2	25
4	Design of monolimb using finite element modelling and statistics-based Taguchi method. *Clinical Biomechanics*, **2005**, 20, 759-66	2.2	30
3	Finite-element analysis to determine effect of monolimb flexibility on structural strength and interaction between residual limb and prosthetic socket. *Journal of Rehabilitation Research and Development*, **2004**, 41, 775-86		25
2	Load transfer mechanics between trans-tibial prosthetic socket and residual limb--dynamic effects. *Journal of Biomechanics*, **2004**, 37, 1371-7	2.9	79
1	Finite element modeling of the contact interface between trans-tibial residual limb and prosthetic socket. *Medical Engineering and Physics*, **2004**, 26, 655-62	2.4	73