

Winson C C Lee

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,232
citations

361388

20
h-index

377849

34
g-index

48
all docs

48
docs citations

48
times ranked

1078
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the Microsoft Kinect as a clinical assessment tool of body sway. <i>Gait and Posture</i> , 2014, 40, 532-538.	1.4	115
2	Load transfer mechanics between trans-tibial prosthetic socket and residual limbâ€™ dynamic effects. <i>Journal of Biomechanics</i> , 2004, 37, 1371-1377.	2.1	105
3	Kinetics of transfemoral amputees with osseointegrated fixation performing common activities of daily living. <i>Clinical Biomechanics</i> , 2007, 22, 665-673.	1.2	96
4	Finite element modeling of the contact interface between trans-tibial residual limb and prosthetic socket. <i>Medical Engineering and Physics</i> , 2004, 26, 655-662.	1.7	87
5	Magnitude and variability of loading on the osseointegrated implant of transfemoral amputees during walking. <i>Medical Engineering and Physics</i> , 2008, 30, 825-833.	1.7	79
6	Balance Improvement Effects of Biofeedback Systems with State-of-the-Art Wearable Sensors: A Systematic Review. <i>Sensors</i> , 2016, 16, 434.	3.8	77
7	FE stress analysis of the interface between the bone and an osseointegrated implant for amputees â€™ Implications to refine the rehabilitation program. <i>Clinical Biomechanics</i> , 2008, 23, 1243-1250.	1.2	45
8	Design of monolimb using finite element modelling and statistics-based Taguchi method. <i>Clinical Biomechanics</i> , 2005, 20, 759-766.	1.2	39
9	Using computational simulation to aid in the prediction of socket fit: A preliminary study. <i>Medical Engineering and Physics</i> , 2007, 29, 923-929.	1.7	35
10	A Vibrotactile and Plantar Force Measurement-Based Biofeedback System: Paving the Way towards Wearable Balance-Improving Devices. <i>Sensors</i> , 2015, 15, 31709-31722.	3.8	35
11	Effectiveness of adjustable dorsiflexion night splint in combination with accommodative foot orthosis on plantar fasciitis. <i>Journal of Rehabilitation Research and Development</i> , 2012, 49, 1557.	1.6	34
12	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> , 2004, 41, 775.	1.6	33
13	Changes in gait and plantar foot loading upon using vibrotactile wearable biofeedback system in patients with stroke. <i>Topics in Stroke Rehabilitation</i> , 2018, 25, 20-27.	1.9	33
14	A quasi-dynamic nonlinear finite element model to investigate prosthetic interface stresses during walking for trans-tibial amputees. <i>Clinical Biomechanics</i> , 2005, 20, 630-635.	1.2	30
15	Dynamic impression insole in rheumatoid foot with metatarsal pain. <i>Clinical Biomechanics</i> , 2012, 27, 196-201.	1.2	30
16	Quantifying the Regional Load-Bearing Ability of Trans-Tibial Stumps. <i>Prosthetics and Orthotics International</i> , 2006, 30, 25-34.	1.0	24
17	Joint and plantar loading in table tennis topspin forehand with different footwork. <i>European Journal of Sport Science</i> , 2019, 19, 471-479.	2.7	24
18	A wearable vibrotactile biofeedback system improves balance control of healthy young adults following perturbations from quiet stance. <i>Human Movement Science</i> , 2017, 55, 54-60.	1.4	23

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19	Gait asymmetry and variability in older adults during long-distance walking: Implications for gait instability. <i>Clinical Biomechanics</i> , 2020, 72, 37-43.	1.2	23
20	Long-distance walking effects on trans-tibial amputees compensatory gait patterns and implications on prosthetic designs and training. <i>Gait and Posture</i> , 2012, 35, 328-333.	1.4	22
21	Regulation of HAS expression in human synovial lining cells of TMJ by IL-1 β . <i>Archives of Oral Biology</i> , 2008, 53, 60-65.	1.8	20
22	Does long-distance walking improve or deteriorate walking stability of transtibial amputees?. <i>Clinical Biomechanics</i> , 2015, 30, 867-873.	1.2	19
23	Gait Analysis of Low-Cost Flexible-Shank Transtibial Prostheses. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2006, 14, 370-377.	4.9	17
24	Biomechanics of Table Tennis: A Systematic Scoping Review of Playing Levels and Maneuvers. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5203.	2.5	17
25	Effects of long-distance walking on socket-limb interface pressure, tactile sensitivity and subjective perceptions of trans-tibial amputees. <i>Disability and Rehabilitation</i> , 2013, 35, 888-893.	1.8	16
26	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> , 2015, 16, 80-85.	1.9	16
27	Comprehensive Gait Analysis of Healthy Older Adults Who Have Undergone Long-Distance Walking. <i>Journal of Aging and Physical Activity</i> , 2017, 25, 367-377.	1.0	14
28	Biomechanics of lower limb in badminton lunge: a systematic scoping review. <i>PeerJ</i> , 2020, 8, e10300.	2.0	14
29	A numerical approach to evaluate the fatigue life of monolimb. <i>Medical Engineering and Physics</i> , 2006, 28, 290-296.	1.7	13
30	Effects of foot orthoses on dynamic balance and basketball free-throw accuracy before and after physical fatigue. <i>Journal of Biomechanics</i> , 2019, 96, 109338.	2.1	12
31	Effects of Wearable Devices with Biofeedback on Biomechanical Performance of Running – A Systematic Review. <i>Sensors</i> , 2020, 20, 6637.	3.8	11
32	Acute Effects of Soleus Stretching on Ankle Flexibility, Dynamic Balance and Speed Performances in Soccer Players. <i>Biology</i> , 2022, 11, 374.	2.8	10
33	Fatigue Test of Low-Cost Flexible-Shank Monolimb Trans-Tibial Prosthesis. <i>Prosthetics and Orthotics International</i> , 2006, 30, 305-315.	1.0	9
34	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> , 2012, 36, 190-195.	1.0	9
35	Biomechanical approach in facilitating long-distance walking of elderly people using footwear modifications. <i>Gait and Posture</i> , 2018, 64, 101-107.	1.4	9
36	Is it important to position foot in subtalar joint neutral position during nonweight-bearing molding for foot orthoses?. <i>Journal of Rehabilitation Research and Development</i> , 2012, 49, 459.	1.6	7

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37	Effects of orthopedic insoles on static balance of older adults wearing thick socks. <i>Prosthetics and Orthotics International</i> , 2018, 42, 357-362.	1.0	7
38	Effects of shoe heel height on loading and muscle activity for trans-tibial amputees during standing. <i>Tsinghua Science and Technology</i> , 2009, 14, 281-286.	6.1	4
39	Regional plantar foot pressure distributions on high-heeled shoes-shank curve effects. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2011, 27, 1091-1097.	3.4	4
40	Effects of heel lifting on transtibial amputee gait before and after treadmill walking. <i>Prosthetics and Orthotics International</i> , 2013, 37, 317-323.	1.0	4
41	A Wearable Biofeedback Device to Increase Gait Swing Time Could Have Positive Effects on Gait among Older Adults. <i>Sensors</i> , 2022, 22, 102.	3.8	4
42	Novel Soft Haptic Biofeedbackâ€”Pilot Study on Postural Balance and Proprioception. <i>Sensors</i> , 2022, 22, 3779.	3.8	3
43	Pulmonary Capacity, Blood Composition and Metabolism among Coal Mine Workers in High- and Low-Altitude Aboveground and Underground Workplaces. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8295.	2.6	2
44	Finite Element Modeling to Aid in Refining the Rehabilitation of Amputees Using Osseointegrated Prostheses. <i>Lecture Notes in Computer Science</i> , 2007, , 655-658.	1.3	1
45	Contact Pressure at the Limb/Prosthesis Interface. , 2013, , 522-528.		1
46	Residual Limb Model for Osteointegration. , 2014, , 163-171.		0
47	Smart Approaches in Facilitating Engineering Students to Learn Health Technology. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 175-182.	0.6	0
48	Assessment of biomedical engineering knowledge using trueâ€”false questions. <i>Physical and Engineering Sciences in Medicine</i> , 2022, 45, 273-278.	2.4	0