

# Nachiappan Chockalingam

## List of Publications by Year in descending order

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Version: 2024-02-01

246  
papers

3,723  
citations

126907

33  
h-index

214800

47  
g-index

271  
all docs

271  
docs citations

271  
times ranked

3211  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying lumbar-pelvis coordination during gait using a modified vector coding technique. <i>Journal of Biomechanics</i> , 2014, 47, 1020-1026.	2.1	109
2	Negative Poisson's ratios in tendons: An unexpected mechanical response. <i>Acta Biomaterialia</i> , 2015, 24, 201-208.	8.3	100
3	Braces for idiopathic scoliosis in adolescents. <i>The Cochrane Library</i> , 2015, 2015, CD006850.	2.8	96
4	Exercises for Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2013, 38, E883-E893.	2.0	89
5	The Effect of an Intervention Program on Functional Movement Screen Test Scores in Mixed Martial Arts Athletes. <i>Journal of Strength and Conditioning Research</i> , 2015, 29, 219-225.	2.1	86
6	Exercises for adolescent idiopathic scoliosis. <i>The Cochrane Library</i> , 2012, , CD007837.	2.8	84
7	Thermographic Patterns of the Upper and Lower Limbs: Baseline Data. <i>International Journal of Vascular Medicine</i> , 2015, 2015, 1-9.	1.0	72
8	Braces for Idiopathic Scoliosis in Adolescents. <i>Spine</i> , 2010, 35, 1285-1293.	2.0	68
9	Braces for idiopathic scoliosis in adolescents. , 2010, , CD006850.		67
10	Plantar pressure measurements using an in-shoe system and a pressure platform: A comparison. <i>Gait and Posture</i> , 2010, 31, 397-399.	1.4	66
11	Assessment of ground reaction force during scoliotic gait. <i>European Spine Journal</i> , 2004, 13, 750-754.	2.2	63
12	Braces for Idiopathic Scoliosis in Adolescents. <i>Spine</i> , 2016, 41, 1813-1825.	2.0	61
13	Computer-assisted Cobb measurement of scoliosis. <i>European Spine Journal</i> , 2002, 11, 353-357.	2.2	60
14	A new coordination pattern classification to assess gait kinematics when utilising a modified vector coding technique. <i>Journal of Biomechanics</i> , 2015, 48, 3506-3511.	2.1	58
15	Surgical versus non-surgical interventions in people with adolescent idiopathic scoliosis. <i>The Cochrane Library</i> , 2015, , CD010663.	2.8	57
16	The Effect of Heel Height on Gait and Posture. <i>Journal of the American Podiatric Medical Association</i> , 2009, 99, 512-518.	0.3	54
17	The effect of simple insoles on three-dimensional foot motion during normal walking. <i>Clinical Biomechanics</i> , 2004, 19, 972-977.	1.2	53
18	A systematic review of randomised controlled trials assessing effectiveness of prosthetic and orthotic interventions. <i>PLoS ONE</i> , 2018, 13, e0192094.	2.5	52

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19	Radiographic measurements of hallux angles: A review of current techniques. <i>Foot</i> , 2010, 20, 27-31.	1.1	51
20	The effect of shoe toe box shape and volume on forefoot interdigital and plantar pressures in healthy females. <i>Journal of Foot and Ankle Research</i> , 2013, 6, 28.	1.9	47
21	Clinical Assessment of Ankle Joint Dorsiflexion. <i>Journal of the American Podiatric Medical Association</i> , 2011, 101, 59-69.	0.3	46
22	The effectiveness of footwear as an intervention to prevent or to reduce biomechanical risk factors associated with diabetic foot ulceration: A systematic review. <i>Journal of Diabetes and Its Complications</i> , 2013, 27, 391-400.	2.3	43
23	Conservative treatment of tibialis posterior tendon dysfunction—A review. <i>Foot</i> , 2010, 20, 18-26.	1.1	42
24	The effect of tuning ankle foot orthoses—footwear combination on the gait parameters of children with cerebral palsy. <i>Prosthetics and Orthotics International</i> , 2013, 37, 95-107.	1.0	42
25	Radiographic Angles in Hallux Valgus: Comparison between Manual and Computer-Assisted Measurements. <i>Journal of Foot and Ankle Surgery</i> , 2010, 49, 523-528.	1.0	40
26	Finite element modelling of the foot for clinical application: A systematic review. <i>Medical Engineering and Physics</i> , 2017, 39, 1-11.	1.7	40
27	Do strain gauge force platforms need in situ correction?. <i>Gait and Posture</i> , 2002, 16, 233-237.	1.4	39
28	The relationship between the mechanical properties of heel-pad and common clinical measures associated with foot ulcers in patients with diabetes. <i>Journal of Diabetes and Its Complications</i> , 2014, 28, 488-493.	2.3	38
29	A method for subject-specific modelling and optimisation of the cushioning properties of insole materials used in diabetic footwear. <i>Medical Engineering and Physics</i> , 2015, 37, 531-538.	1.7	37
30	A Critical Evaluation of Existing Diabetic Foot Screening Guidelines. <i>Review of Diabetic Studies</i> , 2016, 13, 158-186.	1.3	36
31	Can plantar soft tissue mechanics enhance prognosis of diabetic foot ulcer?. <i>Diabetes Research and Clinical Practice</i> , 2017, 126, 182-191.	2.8	36
32	Effect of insole material on lower limb kinematics and plantar pressures during treadmill walking. <i>Prosthetics and Orthotics International</i> , 2012, 36, 53-62.	1.0	35
33	Comparison of Pelvic Complex Kinematics During Treadmill and Overground Walking. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012, 93, 2302-2308.	0.9	35
34	Analysis of the 5 iron golf swing when hitting for maximum distance. <i>Journal of Sports Sciences</i> , 2011, 29, 1079-1088.	2.0	34
35	Repeatability of WalkinSense® in shoe pressure measurement system: A preliminary study. <i>Foot</i> , 2012, 22, 35-39.	1.1	34
36	The importance of clinical biomechanical assessment of foot deformity and joint mobility in people living with type-2 diabetes within a primary care setting. <i>Primary Care Diabetes</i> , 2013, 7, 45-50.	1.8	34

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37	Establishing Differences in Thermographic Patterns between the Various Complications in Diabetic Foot Disease. <i>International Journal of Endocrinology</i> , 2018, 2018, 1-7.	1.5	34
38	Effects of foot orthoses: How important is the practitioner?. <i>Gait and Posture</i> , 2012, 35, 383-388.	1.4	32
39	Thigh-Derived Inertial Sensor Metrics to Assess the Sit-to-Stand and Stand-to-Sit Transitions in the Timed Up and Go (TUG) Task for Quantifying Mobility Impairment in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2018, 9, 684.	2.4	32
40	Optimised cushioning in diabetic footwear can significantly enhance their capacity to reduce plantar pressure. <i>Gait and Posture</i> , 2020, 79, 244-250.	1.4	30
41	Hidden dangers revealed by misdiagnosed peripheral arterial disease using ABPI measurement. <i>Diabetes Research and Clinical Practice</i> , 2013, 102, 112-116.	2.8	29
42	Multi-segment kinematic model to assess three-dimensional movement of the spine and back during gait. <i>Prosthetics and Orthotics International</i> , 2016, 40, 624-635.	1.0	29
43	The effect of calf muscle stretching exercises on ankle joint dorsiflexion and dynamic foot pressures, force and related temporal parameters. <i>Foot</i> , 2012, 22, 10-17.	1.1	28
44	Medical-grade footwear: the impact of fit and comfort. <i>Journal of Foot and Ankle Research</i> , 2017, 10, 2.	1.9	28
45	Assessment of the centre of pressure pattern and moments about S2 in scoliotic subjects during normal walking. <i>Scoliosis</i> , 2008, 3, 10.	0.4	27
46	Functional Hallux Limitus. <i>Journal of the American Podiatric Medical Association</i> , 2009, 99, 236-243.	0.3	27
47	Differences in the mechanical characteristics of plantar soft tissue between ulcerated and non-ulcerated foot. <i>Journal of Diabetes and Its Complications</i> , 2016, 30, 1293-1299.	2.3	27
48	Subject Specific Optimisation of the Stiffness of Footwear Material for Maximum Plantar Pressure Reduction. <i>Annals of Biomedical Engineering</i> , 2017, 45, 1929-1940.	2.5	27
49	A case-series study to explore the efficacy of foot orthoses in treating first metatarsophalangeal joint pain. <i>Journal of Foot and Ankle Research</i> , 2010, 3, 17.	1.9	26
50	Posterior Tibial Tendon Dysfunction. <i>Journal of the American Podiatric Medical Association</i> , 2011, 101, 176-186.	0.3	26
51	Validity and reliability of a new ankle dorsiflexion measurement device. <i>Prosthetics and Orthotics International</i> , 2013, 37, 289-297.	1.0	26
52	A clinically applicable non-invasive method to quantitatively assess the visco-hyperelastic properties of human heel pad, implications for assessing the risk of mechanical trauma. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 68, 287-295.	3.1	26
53	Footwear choices for painful feet – an observational study exploring footwear and foot problems in women. <i>Journal of Foot and Ankle Research</i> , 2018, 11, 23.	1.9	26
54	Three-dimensional kinematics of the lumbar spine during gait using marker-based systems: a systematic review. <i>Journal of Medical Engineering and Technology</i> , 2016, 40, 172-185.	1.4	25

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55	The relationship between arch height and foot length: Implications for size grading. <i>Applied Ergonomics</i> , 2017, 59, 243-250.	3.1	25
56	A Comparison of Patient-Reported Outcome Measures Following Different Treatment Approaches for Adolescents with Severe Idiopathic Scoliosis: A Systematic Review. <i>Asian Spine Journal</i> , 2016, 10, 1170.	2.0	25
57	Defining excessive, over, or hyper-pronation: A quandary. <i>Foot</i> , 2017, 31, 49-55.	1.1	24
58	Materials used for footwear orthoses: a review. <i>Footwear Science</i> , 2010, 2, 93-110.	2.1	22
59	Footwear choices made by young women and their potential impact on foot health. <i>Journal of Health Psychology</i> , 2013, 18, 1422-1431.	2.3	22
60	Do research papers provide enough information on design and material used in ankle foot orthoses for children with cerebral palsy? A systematic review. <i>Journal of Children's Orthopaedics</i> , 2017, 11, 263-271.	1.1	21
61	Agreement Between the Spatiotemporal Gait Parameters of Healthy Adults From the OptoGait System and a Traditional Three-Dimensional Motion Capture System. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	1.3	21
62	The Effectiveness of Footwear and Other Removable Off-loading Devices in the Treatment of Diabetic Foot Ulcers: A Systematic Review. <i>Current Diabetes Reviews</i> , 2014, 10, 215-230.	1.3	21
63	Diabetic foot complications in Malta: Prevalence of risk factors. <i>Foot</i> , 2012, 22, 294-297.	1.1	20
64	Severity of pronation and classification of first metatarsophalangeal joint dorsiflexion increases the validity of the Hubscher Manoeuvre for the diagnosis of functional hallux limitus. <i>Foot</i> , 2014, 24, 62-65.	1.1	20
65	A Simulation of the Viscoelastic Behaviour of Heel Pad During Weight-Bearing Activities of Daily Living. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2750-2761.	2.5	20
66	A comparison of thermographic characteristics of the hands and wrists of rheumatoid arthritis patients and healthy controls. <i>Scientific Reports</i> , 2019, 9, 17204.	3.3	20
67	Predicting the risk of future diabetic foot ulcer occurrence: a prospective cohort study of patients with diabetes in Tanzania. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001122.	2.8	20
68	Foot Orthoses. <i>Journal of the American Podiatric Medical Association</i> , 2011, 101, 341-348.	0.3	19
69	The effect of leg length discrepancy on pelvis and spine kinematics during gait. <i>Studies in Health Technology and Informatics</i> , 2012, 176, 104-7.	0.3	19
70	Influence of footwear choice, velocity and surfaces on tibial accelerations experienced by field hockey participants during running. <i>Footwear Science</i> , 2012, 4, 213-219.	2.1	18
71	Assessment of lower leg muscle force distribution during isometric ankle dorsi and plantar flexion in patients with diabetes: a preliminary study. <i>Journal of Diabetes and Its Complications</i> , 2015, 29, 282-287.	2.3	18
72	Non-Instrumental Movement Inhibition (NIMI) Differentially Suppresses Head and Thigh Movements during Screenic Engagement: Dependence on Interaction. <i>Frontiers in Psychology</i> , 2016, 7, 157.	2.1	18

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73	A mathematical method for quantifying in vivo mechanical behaviour of heel pad under dynamic load. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 341-350.	2.8	18
74	The effects of sport-specific and minimalist footwear on the kinetics and kinematics of three netball-specific movements. <i>Footwear Science</i> , 2015, 7, 31-36.	2.1	17
75	Everyday footwear: An overview of what we know and what we should know on ill-fitting footwear and associated pain and pathology. <i>Foot</i> , 2019, 39, 11-14.	1.1	17
76	The Role of Cutaneous Microcirculatory Responses in Tissue Injury, Inflammation and Repair at the Foot in Diabetes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 732753.	4.1	17
77	Evaluation of lower limb electromyographic activity when using unstable shoes for the first time. <i>Prosthetics and Orthotics International</i> , 2013, 37, 275-281.	1.0	16
78	Shear wave elastography can assess the in-vivo nonlinear mechanical behavior of heel-pad. <i>Journal of Biomechanics</i> , 2018, 80, 144-150.	2.1	16
79	Sagittal plane kinematics of the foot during passive ankle dorsiflexion. <i>Prosthetics and Orthotics International</i> , 2011, 35, 425-431.	1.0	15
80	Mathematical Models to Assess Foot-€ Ground Interaction. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1524-1533.	0.4	15
81	On the Use of Auxetics in Footwear: Investigating the Effect of Padding and Padding Material on Forefoot Pressure in High Heels. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1700528.	1.5	15
82	Ankle joint dorsiflexion: Assessment of true values necessary for normal gait. <i>International Journal of Therapy and Rehabilitation</i> , 2007, 14, 76-82.	0.3	14
83	Ankle foot orthosis-€ footwear combination tuning. <i>Prosthetics and Orthotics International</i> , 2015, 39, 126-133.	1.0	14
84	The identification of higher forefoot temperatures associated with peripheral arterial disease in type 2 diabetes mellitus as detected by thermography. <i>Primary Care Diabetes</i> , 2018, 12, 312-318.	1.8	14
85	Automated Region Extraction from Thermal Images for Peripheral Vascular Disease Monitoring. <i>Journal of Healthcare Engineering</i> , 2018, 2018, 1-14.	1.9	14
86	Key concepts in children's footwear research: a scoping review focusing on therapeutic footwear. <i>Journal of Foot and Ankle Research</i> , 2019, 12, 25.	1.9	14
87	Thermal characteristics of rheumatoid feet in remission: Baseline data. <i>PLoS ONE</i> , 2020, 15, e0243078.	2.5	14
88	Exploration of implementation, financial and technical considerations within allied health professional (AHP) telehealth consultation guidance: a scoping review including UK AHP professional bodies-™ guidance. <i>BMJ Open</i> , 2021, 11, e055823.	1.9	14
89	Where should a school shoe provide flexibility and support for the asymptomatic 6- to 10-year-olds and on what information is this based? A Delphi yielded consensus. <i>Prosthetics and Orthotics International</i> , 2015, 39, 213-218.	1.0	13
90	The Application of Medical Thermography to Discriminate Neuroischemic Toe Ulceration in the Diabetic Foot. <i>International Journal of Lower Extremity Wounds</i> , 2018, 17, 102-105.	1.1	13

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91	Analysing patterns of coordination and patterns of control using novel data visualisation techniques in vector coding. <i>Foot</i> , 2020, 44, 101678.	1.1	13
92	Reliability and validity of an enhanced paper grip test; A simple clinical test for assessing lower limb strength. <i>Gait and Posture</i> , 2020, 81, 120-125.	1.4	12
93	Hidden dangers revealed by misdiagnosed diabetic neuropathy: A comparison of simple clinical tests for the screening of vibration perception threshold at primary care level. <i>Primary Care Diabetes</i> , 2018, 12, 111-115.	1.8	11
94	Agreement of clinical tests for the diagnosis of peripheral arterial disease. <i>Primary Care Diabetes</i> , 2019, 13, 82-86.	1.8	11
95	Towards a dimensional approach to common mental disorders in the ICD-11?. <i>Australian and New Zealand Journal of Psychiatry</i> , 2014, 48, 481-482.	2.3	10
96	The impact of different footwear characteristics, of a ballet flat pump, on centre of pressure progression and perceived comfort. <i>Foot</i> , 2014, 24, 116-122.	1.1	10
97	Effects of the site and extent of plantar cutaneous stimulation on dynamic balance and muscle activity while walking. <i>Foot</i> , 2015, 25, 159-163.	1.1	10
98	Comparison of inÂvivo vs. frozen vs. Thiel cadaver specimens in visualisation of anatomical structures of the ankle on proton density Magnetic Resonance Imaging (MRI) through a visual grading analysis (VGA) study. <i>Radiography</i> , 2017, 23, 117-124.	2.1	10
99	Hallux plantar flexor strength in people with diabetic neuropathy: Validation of a simple clinical test. <i>Diabetes Research and Clinical Practice</i> , 2018, 144, 1-9.	2.8	10
100	The potential impact of allied health professional telehealth consultations on health inequities and the burden of treatment. <i>International Journal for Equity in Health</i> , 2022, 21, .	3.5	10
101	An enhanced protocol to reduce error in electromagnetic tracking of first metatarsophalangeal joint motions. <i>Gait and Posture</i> , 2006, 23, 391-394.	1.4	9
102	Can a combination of lifestyle and clinical characteristics explain the presence of foot ulcer in patients with diabetes?. <i>Journal of Diabetes and Its Complications</i> , 2019, 33, 437-444.	2.3	9
103	The relationship between hallux grip force and balance in people with diabetes. <i>Gait and Posture</i> , 2019, 70, 109-115.	1.4	9
104	3D Printed Clamps to Study the Mechanical Properties of Tendons at Low Strains. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800159.	1.5	9
105	A clinical guideline for the conservative management of tibialis posterior tendon dysfunction. <i>Foot</i> , 2009, 19, 211-217.	1.1	8
106	The effect of three different toe props on plantar pressure and patient comfort. <i>Journal of Foot and Ankle Research</i> , 2012, 5, 22.	1.9	8
107	Influence of footwear designed to boost energy return on the kinetics and kinematics of running compared to conventional running shoes. <i>Comparative Exercise Physiology</i> , 2014, 10, 199-206.	0.6	8
108	Does user perception affect adherence when wearing biomechanically optimised ankle foot orthosis â€œ footwear combinations: A pilot study. <i>Foot</i> , 2020, 43, 101655.	1.1	8

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109	Effectiveness of therapeutic footwear for children: A systematic review. <i>Journal of Foot and Ankle Research</i> , 2020, 13, 23.	1.9	8
110	A Synoptic Overview of Neurovascular Interactions in the Foot. <i>Frontiers in Endocrinology</i> , 2020, 11, 308.	3.5	8
111	A method to improve the computational efficiency of the Chan-Vese model for the segmentation of ultrasound images. <i>Biomedical Signal Processing and Control</i> , 2021, 67, 102560.	5.7	8
112	Acute effects of different orthoses on lower extremity kinetics and kinematics during running; a musculoskeletal simulation analysis. <i>Acta of Bioengineering and Biomechanics</i> , 2019, 21, .	0.4	8
113	What influences someone when purchasing new trainers?. <i>Footwear Science</i> , 2009, 1, 71-72.	2.1	7
114	By designing "blades"™ for Oscar Pistorius are prosthetists creating an unfair advantage for Pistorius and an uneven playing field?. <i>Prosthetics and Orthotics International</i> , 2011, 35, 482-483.	1.0	7
115	Should preparation for elite sporting participation be included in the rehabilitation process of war-injured veterans?. <i>Prosthetics and Orthotics International</i> , 2012, 36, 270-277.	1.0	7
116	Quantification of rear-foot, fore-foot coordination pattern during gait using a new classification. <i>Footwear Science</i> , 2015, 7, S32-S33.	2.1	7
117	EFFECTS OF FOOTWEAR VARIATIONS ON THREE-DIMENSIONAL KINEMATICS AND TIBIAL ACCELERATIONS OF SPECIFIC MOVEMENTS IN AMERICAN FOOTBALL. <i>Journal of Mechanics in Medicine and Biology</i> , 2017, 17, 1750026.	0.7	7
118	A pilot investigation into the relationship between static diagnosis of ankle equinus and dynamic ankle and foot dorsiflexion during stance phase of gait: Time to revisit theory?. <i>Foot</i> , 2017, 30, 47-52.	1.1	7
119	A scoping literature review of studies assessing effectiveness and cost-effectiveness of prosthetic and orthotic interventions. <i>Disability and Rehabilitation: Assistive Technology</i> , 2020, 15, 60-66.	2.2	7
120	Increased exposure to loading is associated with decreased plantar soft tissue hardness in people with diabetes and neuropathy. <i>Diabetes Research and Clinical Practice</i> , 2022, 187, 109865.	2.8	7
121	The influence of four wound dressings on the kinetics of human walking. <i>Journal of Wound Care</i> , 2001, 10, 371-374.	1.2	6
122	Comparing four technologies for measuring postural micromovements during monitor engagement. , 2012, , .		6
123	The effect of the use of a walkway and the choice of the foot on plantar pressure assessment when using pressure platforms. <i>Foot</i> , 2012, 22, 100-104.	1.1	6
124	The Complex Relationship Between Empathy, Engagement and Boredom. , 2016, , .		6
125	Shank-to-Vertical Angle in Ankle-Foot Orthoses: A Comparison of Static and Dynamic Assessment in a Series of Cases. <i>Journal of Prosthetics and Orthotics</i> , 2017, 29, 161-167.	0.4	6
126	Cross-sectional survey of orthotic service provision in the UK: does where you live affect the service you receive?. <i>BMJ Open</i> , 2019, 9, e028186.	1.9	6



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127	The effect of tuning ankle foot orthoses-footwear combinations on gait kinematics of children with cerebral palsy: A case series. <i>Foot</i> , 2020, 43, 101660.	1.1	6
128	A systematic evaluation of cutaneous microcirculation in the foot using post-occlusive reactive hyperemia. <i>Microcirculation</i> , 2021, 28, e12692.	1.8	6
129	The role of "non-traditional" physical activities in improving balance in older adults: A review. <i>Journal of Human Sport and Exercise</i> , 2017, 12, .	0.4	6
130	Braces for idiopathic scoliosis in adolescents. A cochrane review. <i>Scoliosis</i> , 2010, 5, .	0.4	5
131	An automated segmentation technique for the processing of foot ultrasound images. , 2013, , .		5
132	Mean head and shoulder heights when seated. , 2013, , .		5
133	An MRI compatible loading device for the reconstruction of clinically relevant plantar pressure distributions and loading scenarios of the forefoot. <i>Medical Engineering and Physics</i> , 2014, 36, 1205-1211.	1.7	5
134	The effects of shoe temperature on the kinetics and kinematics of running. <i>Footwear Science</i> , 2015, 7, 173-180.	2.1	5
135	Automated Segmentation and Temperature Extraction from Thermal Images of Human Hands, Shins and Feet. <i>IFMBE Proceedings</i> , 2016, , 275-280.	0.3	5
136	The Applicability of Plantar Padding in Reducing Peak Plantar Pressure in the Forefeet of Healthy Adults. <i>Journal of the American Podiatric Medical Association</i> , 2016, 106, 246-251.	0.3	5
137	Wearable sensor metric for fidgeting. , 2017, , .		5
138	Localized pressure stimulation using turf-like structures can improve skin perfusion in the foot. <i>Microcirculation</i> , 2019, 26, e12543.	1.8	5
139	Diabetes foot screening: Challenges and future strategies. <i>Foot</i> , 2019, 38, 8-11.	1.1	5
140	Validation of a non-invasive imaging photoplethysmography device to assess plantar skin perfusion, a comparison with laser speckle contrast analysis. <i>Journal of Medical Engineering and Technology</i> , 2021, 45, 170-176.	1.4	5
141	A low-cost field ventilator: An urgent global need. <i>Health Science Reports</i> , 2021, 4, e349.	1.5	5
142	Lower Extremity Kinetics and Kinematics in Runners with Patellofemoral Pain: A Retrospective Case-Control Study Using Musculoskeletal Simulation. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 585.	2.5	5
143	Kinematic differences in lower limb gait analysis of scoliotic subjects. <i>Studies in Health Technology and Informatics</i> , 2002, 91, 173-7.	0.3	5
144	Shore hardness is a more representative measurement of bulk tissue biomechanics than of skin biomechanics.. <i>Medical Engineering and Physics</i> , 2022, 105, 103816.	1.7	5

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145	A comparison of three kinematic systems for assessing spinal range of movement. <i>International Journal of Therapy and Rehabilitation</i> , 2003, 10, 402-407.	0.1	4
146	A pilot comparison of forefoot plantar pressures in newly diagnosed rheumatoid arthritis patients and non-rheumatic subjects. <i>Foot</i> , 2013, 23, 120-122.	1.1	4
147	Peak and average pressure correlations and their ratio at different plantar regions of the foot. <i>Footwear Science</i> , 2013, 5, S96-S98.	2.1	4
148	Assessment and Diagnosis of Posterior Tibial Tendon Dysfunction. <i>Journal of the American Podiatric Medical Association</i> , 2016, 106, 27-36.	0.3	4
149	The Effect of Toe Flexion Exercises on Grip. <i>Journal of the American Podiatric Medical Association</i> , 2018, 108, 355-361.	0.3	4
150	Comparative study of the strength characteristics of a novel wood-plastic composite and commonly used synthetic casting materials. <i>Clinical Biomechanics</i> , 2020, 77, 105064.	1.2	4
151	A novel concept for low-cost non-electronic detection of overloading in the foot during activities of daily living. <i>Royal Society Open Science</i> , 2021, 8, 202035.	2.4	4
152	Defining and grouping children's therapeutic footwear and criteria for their prescription: an international expert Delphi consensus study. <i>BMJ Open</i> , 2021, 11, e051381.	1.9	4
153	An in vivo model for overloading-induced soft tissue injury. <i>Scientific Reports</i> , 2022, 12, 6047.	3.3	4
154	Non-invasive measurements of scoliosis and the spine: a review of the literature. <i>International Journal of Therapy and Rehabilitation</i> , 2003, 10, 554-562.	0.1	3
155	Do foot orthoses replicate the static longitudinal arch angle during midstance in walking?. <i>Foot</i> , 2011, 21, 129-132.	1.1	3
156	Function of the triceps surae muscle group in low and high arched feet: An exploratory study. <i>Foot</i> , 2012, 22, 56-59.	1.1	3
157	Development of a method for quantifying the midsole reaction model parameters. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013, 16, 1273-1277.	1.6	3
158	Investigation into the kinetics and kinematics during running in the heelless shoe. <i>Footwear Science</i> , 2014, 6, 139-145.	2.1	3
159	Semi-automated Lung Field Segmentation in Scoliosis Radiographs: An Exploratory Study. <i>Journal of Medical and Biological Engineering</i> , 2015, 35, 608-616.	1.8	3
160	Footwear mismatch – do we wear correct-sized shoes?. <i>Footwear Science</i> , 2015, 7, S76-S77.	2.1	3
161	Mitigating Denial-of-Service attacks in wide-area LQR control. , 2016, , .		3
162	The Radiological and Clinical Assessment of a Cohort of AIS Patients in Serbia and Bulgaria. <i>Spine Journal</i> , 2017, 17, S329.	1.3	3

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