

# Peter R. Worsley

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

1,529  
citations

331538

21  
h-index

360920

35  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1484  
citing authors

#	ARTICLE	IF	CITATIONS
1	Motor control retraining exercises for shoulder impingement: effects on function, muscle activation, and biomechanics in young adults. <i>Journal of Shoulder and Elbow Surgery</i> , 2013, 22, e11-e19.	1.2	138
2	Device-related pressure ulcers: SECURE prevention. <i>Journal of Wound Care</i> , 2020, 29, S1-S52.	0.5	132
3	Finite element analysis of the amputated lower limb: A systematic review and recommendations. <i>Medical Engineering and Physics</i> , 2017, 43, 1-18.	0.8	70
4	Technologies to monitor the health of loaded skin tissues. <i>BioMedical Engineering OnLine</i> , 2018, 17, 40.	1.3	59
5	Personal protective equipment related skin reactions in healthcare professionals during COVID-19. <i>International Wound Journal</i> , 2021, 18, 312-322.	1.3	54
6	Technology for monitoring everyday prosthesis use: a systematic review. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 93.	2.4	52
7	Assessing contractile ability of the quadriceps muscle using ultrasound imaging. <i>Muscle and Nerve</i> , 2010, 42, 530-538.	1.0	48
8	A large scale finite element study of a cementless osseointegrated tibial tray. <i>Journal of Biomechanics</i> , 2013, 46, 1900-1906.	0.9	47
9	Bioengineering considerations in the prevention of medical device-related pressure ulcers. <i>Clinical Biomechanics</i> , 2019, 67, 70-77.	0.5	41
10	Predicted knee kinematics and kinetics during functional activities using motion capture and musculoskeletal modelling in healthy older people. <i>Gait and Posture</i> , 2011, 33, 268-273.	0.6	39
11	Investigating the effects of strap tension during non-invasive ventilation mask application: a combined biomechanical and biomarker approach. <i>Medical Devices: Evidence and Research</i> , 2016, Volume 9, 409-417.	0.4	34
12	Validity of measuring distal vastus medialis muscle using rehabilitative ultrasound imaging versus magnetic resonance imaging. <i>Manual Therapy</i> , 2014, 19, 259-263.	1.6	33
13	New insights into the immediate outcome of collagenase injections for Dupuytren's contracture. <i>Journal of Hand Surgery: European Volume</i> , 2016, 41, 583-588.	0.5	33
14	Predictive prosthetic socket design: part 1 – population-based evaluation of transtibial prosthetic sockets by FEA-driven surrogate modelling. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 1331-1346.	1.4	29
15	Joint loading asymmetries in knee replacement patients observed both pre- and six months post-operation. <i>Clinical Biomechanics</i> , 2013, 28, 892-897.	0.5	26
16	The physiological response of soft tissue to periodic repositioning as a strategy for pressure ulcer prevention. <i>Clinical Biomechanics</i> , 2015, 30, 166-174.	0.5	26
17	Investigating the Short-Term Effects of Manual Lymphatic Drainage and Compression Garment Therapies on Lymphatic Function Using Near-Infrared Imaging. <i>Lymphatic Research and Biology</i> , 2017, 15, 235-240.	0.5	26
18	Development of a statistical model of knee kinetics for applications in pre-clinical testing. <i>Journal of Biomechanics</i> , 2012, 45, 191-195.	0.9	25

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19	Effect of Humidified Noninvasive Ventilation on the Development of Facial Skin Breakdown. <i>Respiratory Care</i> , 2018, 63, 1102-1110.	0.8	25
20	Registering methodology for imaging and analysis of residual-limb shape after transtibial amputation. <i>Journal of Rehabilitation Research and Development</i> , 2016, 53, 207-218.	1.6	25
21	Device-related pressure ulcers: SECURE prevention. Second edition. <i>Journal of Wound Care</i> , 2022, 31, S1-S72.	0.5	24
22	Characteristics of patients who are admitted with or acquire Pressure Ulcers in a District General Hospital; a 3-year retrospective analysis. <i>Nursing Open</i> , 2016, 3, 152-158.	1.1	23
23	Investigating the influence of intermittent and continuous mechanical loading on skin through non-invasive sampling of IL-1 $\alpha$ . <i>Journal of Tissue Viability</i> , 2019, 28, 1-6.	0.9	23
24	Investigating the effects of cervical collar design and fit on the biomechanical and biomarker reaction at the skin. <i>Medical Devices: Evidence and Research</i> , 2018, Volume 11, 87-94.	0.4	22
25	Predictive prosthetic socket design: part 2 "generating person-specific candidate designs using multi-objective genetic algorithms. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 1347-1360.	1.4	20
26	A modified evaluation of spacer fabric and airflow technologies for controlling the microclimate at the loaded support interface. <i>Textile Research Journal</i> , 2019, 89, 2154-2162.	1.1	19
27	Identifying barriers and facilitators to participation in pressure ulcer prevention in allied healthcare professionals: a mixed methods evaluation. <i>Physiotherapy</i> , 2017, 103, 304-310.	0.2	18
28	Monitoring contractile dermal lymphatic activity following uniaxial mechanical loading. <i>Medical Engineering and Physics</i> , 2016, 38, 895-903.	0.8	17
29	Pressure signatures can influence tissue response for individuals supported on an alternating pressure mattress. <i>Journal of Tissue Viability</i> , 2017, 26, 180-188.	0.9	17
30	&lt;p&gt;An interprofessional approach to pressure ulcer prevention: a knowledge and attitudes evaluation&lt;/p&gt;. <i>Journal of Multidisciplinary Healthcare</i> , 2019, Volume 12, 377-386.	1.1	17
31	Ultrasound transducer shape has no effect on measurements of lumbar multifidus muscle size. <i>Manual Therapy</i> , 2012, 17, 187-191.	1.6	16
32	An evaluation of fluid immersion therapy for the prevention of pressure ulcers. <i>Clinical Biomechanics</i> , 2016, 40, 27-32.	0.5	16
33	The influence of incontinence pads moisture at the loaded skin interface. <i>Journal of Tissue Viability</i> , 2019, 28, 125-132.	0.9	16
34	Monitoring the biomechanical and physiological effects of postural changes during leisure chair sitting. <i>Journal of Tissue Viability</i> , 2018, 27, 16-22.	0.9	15
35	Patient involvement in pressure ulcer prevention and adherence to prevention strategies: An integrative review. <i>International Journal of Nursing Studies</i> , 2020, 101, 103449.	2.5	15
36	A Review of the Role of the Partial Pressure of Carbon Dioxide in Mechanically Loaded Tissues: The Canary in the Cage Singing in Tune with the Pressure Ulcer Mantra. <i>Annals of Biomedical Engineering</i> , 2015, 43, 336-347.	1.3	13

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37	Survey of neonatal nurses' practices and beliefs in relation to skin health. <i>Journal of Neonatal Nursing</i> , 2018, 24, 86-93.	0.3	13
38	A 3D registration methodology to evaluate the goodness of fit at the individual-respiratory mask interface. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2021, 24, 728-739.	0.9	13
39	An international consensus on device-related pressure ulcers: SECURE prevention. <i>British Journal of Nursing</i> , 2020, 29, S36-S38.	0.3	13
40	Changes in Tissue Composition and Load Response After Transtibial Amputation Indicate Biomechanical Adaptation. <i>Annals of Biomedical Engineering</i> , 2021, 49, 3176-3188.	1.3	13
41	Assessing changes in subjective and objective function from pre- to post-knee arthroplasty using the Cardiff Dempster-Shafer theory classifier. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016, 19, 418-427.	0.9	12
42	Scapular kinematics in professional wheelchair tennis players. <i>Clinical Biomechanics</i> , 2018, 53, 7-13.	0.5	12
43	ampscan: A lightweight Python package for shape analysis of prosthetics and orthotics. <i>Journal of Open Source Software</i> , 2020, 5, 2060.	2.0	12
44	The influence of gender and ethnicity on facemasks and respiratory protective equipment fit: a systematic review and meta-analysis. <i>BMJ Global Health</i> , 2021, 6, e005537.	2.0	12
45	The expression of anaerobic metabolites in sweat and sebum from human skin subjected to intermittent and continuous mechanical loading. <i>Journal of Tissue Viability</i> , 2019, 28, 186-193.	0.9	11
46	Wearable Electrical Stimulation to Improve Lymphatic Function. , 2019, 3, 1-4.		11
47	Developing an Analogue Residual Limb for Comparative DVC Analysis of Transtibial Prosthetic Socket Designs. <i>Materials</i> , 2020, 13, 3955.	1.3	10
48	Selecting Appropriate 3D Scanning Technologies for Prosthetic Socket Design and Transtibial Residual Limb Shape Characterization. <i>Journal of Prosthetics and Orthotics</i> , 2022, 34, 33-43.	0.2	10
49	How consistent and effective are current repositioning strategies for pressure ulcer prevention?. <i>Applied Nursing Research</i> , 2019, 48, 58-62.	1.0	9
50	COVID19: Challenging tissue viability in both patients and clinicians. <i>Journal of Tissue Viability</i> , 2020, 29, 153-154.	0.9	9
51	Anatomical variability of sub-epidermal moisture and its clinical implications. <i>Journal of Tissue Viability</i> , 2021, 30, 434-438.	0.9	9
52	Objective classification of scapular kinematics in participants with movement faults of the scapula on clinical assessment. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 782-789.	0.9	8
53	Establishing a measurement array to assess tissue tolerance during loading representative of prosthetic use. <i>Medical Engineering and Physics</i> , 2020, 78, 39-47.	0.8	8
54	Biomechanical monitoring and machine learning for the detection of lying postures. <i>Clinical Biomechanics</i> , 2020, 80, 105181.	0.5	8

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55	The identification of biophysical parameters which reflect skin status following mechanical and chemical insults. <i>Clinical Physiology and Functional Imaging</i> , 2021, 41, 366-375.	0.5	8
56	Evaluating the effects of sedentary behaviour on plantar skin health in people with diabetes. <i>Journal of Tissue Viability</i> , 2020, 29, 277-283.	0.9	7
57	An evaluation of dermal microcirculatory occlusion under repeated mechanical loads: Implication of lymphatic impairment in pressure ulcers. <i>Microcirculation</i> , 2020, 27, e12645.	1.0	7
58	Key considerations for finite element modelling of the residuumâ€“prosthetic socket interface. <i>Prosthetics and Orthotics International</i> , 2021, 45, 138-146.	0.5	7
59	Reporting of pressure ulcers and medical device related pressure ulcers in policy and practice: A narrative literature review. <i>Journal of Tissue Viability</i> , 2022, 31, 119-129.	0.9	7
60	Back to basics: biophysical methods in tissue viability research. <i>Journal of Wound Care</i> , 2013, 22, 434-439.	0.5	6
61	A sensitivity analysis to evaluate the performance of temporal pressure - related parameters in detecting changes in supine postures. <i>Medical Engineering and Physics</i> , 2019, 69, 33-42.	0.8	6
62	Barriers and facilitators to reporting medical device-related pressure ulcers: A qualitative exploration of international practice. <i>International Journal of Nursing Studies</i> , 2022, 135, 104326.	2.5	6
63	Synthetic Nanoclay Gels Do Not Cause Skin Irritation in Healthy Human Volunteers. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 2716-2722.	2.6	5
64	Detection of posture and mobility in individuals at risk of developing pressure ulcers. <i>Medical Engineering and Physics</i> , 2021, 91, 39-47.	0.8	5
65	A randomised cross over study to evaluate the performance of a novel ankle dorsiflexion measurement device for novice users. <i>Journal of Foot and Ankle Research</i> , 2018, 11, 45.	0.7	4
66	A combined experimental and computational approach to evaluate microclimate control at the support surface interface. <i>Journal of Tissue Viability</i> , 2021, 30, 395-401.	0.9	4
67	Quantifying skin sensitivity caused by mechanical insults: A review. <i>Skin Research and Technology</i> , 2022, 28, 187-199.	0.8	3
68	Activity, socket fit, comfort and community participation in lower limb prosthesis users: a Cambodian cohort study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2022, 19, 42.	2.4	3
69	Development of ultraâ€“highâ€“performance supercritical fluid chromatographyâ€“mass spectrometry assays to analyze potential biomarkers in sweat. <i>Journal of Separation Science</i> , 2022, 45, 542-550.	1.3	2
70	Predicting Forefoot-Orthosis Interactions in Rheumatoid Arthritis Using Computational Modelling. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 803725.	2.0	1
71	Re: Arkhavan MA, McMurtrie A, Webb M, Muir L. A review of the classification of Dupuytrenâ€™s Disease. <i>J Hand Surg Eur</i> . 2015, 40: 155â€“65 and Rodrigues JN, Zhang W, Scammell BE, Davis TRC. What patients want from the treatment of Dupuytrenâ€™s Disease â€“ is the UnitA© Rhumatologie des Affections de la Main (URAM) scale relevant? <i>J Hand Surg Eur</i> . 2015, 40: 150â€“4. <i>Journal of Hand Surgery: European Volume</i> , 2015, 40, 544-545.	0.5	0
72	The Additive Effect of Humidification With Noninvasive Ventilation (NIV) in the Development of Interface Facial Pressure Ulcers: An Experimental Study. <i>Chest</i> , 2017, 152, A185.	0.4	0

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73	Response to Letter from Abraham and colleagues, regarding "Monitoring the biomechanical and physiological effects of postural changes during leisure chair sitting". Journal of Tissue Viability, 2018, 27, 189.	0.9	0
74	FRI0706-HPR"COMPARISON OF IMPACT OF VERUM AND PLACEBO THUMB BASE ORTHOSES ON SKIN SURFACE TEMPERATURE AND PRESSURE : A PROOF OF CONCEPT STUDY. , 2019, , .		0
75	Magnetic resonance imaging to estimate tissue deformations during penile clamp application: A case series. Journal of Clinical Urology, 2020, 13, 402-406.	0.1	0
76	It is time to be "cool" about maintaining skin integrity. Journal of Tissue Viability, 2021, 30, 465.	0.9	0
77	Impact of CPAP with humidification on the skin/mask interface microclimate and inflammatory response. , 2017, , .		0
78	Effects of noninvasive ventilation (NIV) settings on facial skin interface pressures: an exploratory study. , 2017, , .		0
79	Skin integrity in domiciliary non-invasive ventilation: a clinical audit. , 2018, , .		0
80	Preventing skin care issues associated with face masks used for domiciliary non-invasive ventilation: what do users and their carers think are the most relevant future research questions?. , 2019, , .		0