

# Jon Wheat

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

940  
citations

623699

14  
h-index

477281

29  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1147  
citing authors

#	ARTICLE	IF	CITATIONS
1	Is movement variability important for sports biomechanists?. Sports Biomechanics, 2007, 6, 224-243.	1.6	344
2	Physical, Psychological and Emotional Benefits of Green Physical Activity: An Ecological Dynamics Perspective. Sports Medicine, 2016, 46, 947-953.	6.5	82
3	The potential of the Microsoft Kinect in sports analysis and biomechanics. Sports Technology, 2013, 6, 78-85.	0.4	46
4	The accuracy of the Microsoft Kinect in joint angle measurement. Sports Technology, 2014, 7, 98-105.	0.4	32
5	Development and assessment of a Microsoft Kinect based system for imaging the breast in three dimensions. Medical Engineering and Physics, 2014, 36, 732-738.	1.7	31
6	The measurement of upper body alignment during the golf drive. Journal of Sports Sciences, 2007, 25, 749-755.	2.0	29
7	Coaches' philosophies on the transfer of strength training to elite sports performance. International Journal of Sports Science and Coaching, 2018, 13, 729-736.	1.4	26
8	Movement variability emerges in gait as adaptation to task constraints in dynamic environments. Gait and Posture, 2019, 70, 1-5.	1.4	25
9	The Role of Textured Material in Supporting Perceptual-Motor Functions. PLoS ONE, 2013, 8, e60349.	2.5	24
10	Use of gait sandals for measuring rearfoot and shank motion during running. Gait and Posture, 2010, 32, 133-135.	1.4	22
11	Assessment of a Microsoft Kinect-based 3D scanning system for taking body segment girth measurements: a comparison to ISAK and ISO standards. Journal of Sports Sciences, 2016, 34, 1006-1014.	2.0	22
12	Using a wireless consumer accelerometer to measure tibial acceleration during running: agreement with a skin-mounted sensor. Sports Engineering, 2018, 21, 487-491.	1.1	21
13	Informational constraints on interceptive actions of elite football goalkeepers in 1v1 dyads during competitive performance. Journal of Sports Sciences, 2016, 34, 1596-1601.	2.0	20
14	Comparison of depth cameras for three-dimensional reconstruction in medicine. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2019, 233, 938-947.	1.8	16
15	Validity and repeatability of a depth camera-based surface imaging system for thigh volume measurement. Journal of Sports Sciences, 2016, 34, 1998-2004.	2.0	15
16	Fore- and Rearfoot Kinematics in High- and Low-Arched Individuals during Running. Foot and Ankle International, 2011, 32, 710-716.	2.3	14
17	How shape-based anthropometry can complement traditional anthropometric techniques: a cross-sectional study. Scientific Reports, 2020, 10, 12125.	3.3	14
18	Horizontal force production and multi-segment foot kinematics during the acceleration phase of bend sprinting. Scandinavian Journal of Medicine and Science in Sports, 2019, 29, 1563-1571.	2.9	12

#	ARTICLE	IF	CITATIONS
19	Calculating Body Segment Inertia Parameters from a Single Rapid Scan Using the Microsoft Kinect. , 2012, , .		12
20	Gait adaptations to awareness and experience of a slip when walking on a cross-slope. Gait and Posture, 2015, 42, 575-579.	1.4	11
21	Assessing the Suitability of the Microsoft Kinect for Calculating Person Specific Body Segment Parameters. Lecture Notes in Computer Science, 2015, , 372-385.	1.3	10
22	The Smartfloor: A Large Area Force-measuring Floor for Investigating Dynamic Balance and Motivating Exercise. Procedia Engineering, 2014, 72, 226-231.	1.2	9
23	Validation of a Single Camera, Spatio-temporal Gait Analysis System. Procedia Engineering, 2014, 72, 243-248.	1.2	8
24	Biomechanical measures of short-term maximal cycling on an ergometer: a test-retest study. Sports Biomechanics, 2023, 22, 997-1015.	1.6	8
25	Effects of Textured Socks on Balance Control During Single-leg Standing in Healthy Adults. Procedia Engineering, 2014, 72, 120-125.	1.2	7
26	A comparative analysis of the spatial distributions of the serve return. International Journal of Performance Analysis in Sport, 2014, 14, 884-893.	1.1	7
27	Constraints on perception of information from obstacles during foot clearance in people with chronic stroke. Experimental Brain Research, 2017, 235, 1665-1676.	1.5	7
28	Accuracy and repeatability of wrist joint angles in boxing using an electromagnetic tracking system. Sports Engineering, 2020, 23, 1.	1.1	7
29	Mechanical Differences between Men and Women during Overground Load Carriage at Self-Selected Walking Speeds. International Journal of Environmental Research and Public Health, 2022, 19, 3927.	2.6	7
30	Between-day reliability of time-to-contact measures used to assess postural stability. Gait and Posture, 2012, 35, 345-347.	1.4	6
31	Kinematic modifications of the lower limb during the acceleration phase of bend sprinting. Journal of Sports Sciences, 2020, 38, 336-342.	2.0	6
32	Distortion Correction of Depth Data from Consumer Depth Cameras. , 2013, , .		6
33	Measurement of bend sprinting kinematics with three-dimensional motion capture: a test-retest reliability study. Sports Biomechanics, 2020, 19, 761-777.	1.6	5
34	Optimal fall indicators for slip induced falls on a cross-slope. Ergonomics, 2016, 59, 1089-1099.	2.1	3
35	Compression garments and fabric orthoses for rehabilitation and function: a systematic mapping review. International Journal of Therapy and Rehabilitation, 2018, 25, 655-664.	0.3	3
36	Anatomical and principal axes are not aligned in the torso: Considerations for users of geometric modelling methods. Journal of Biomechanics, 2021, 114, 110151.	2.1	3

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37	Meaning of fabric orthoses to long-term users with multiple sclerosis: An interpretative phenomenological analysis. <i>Prosthetics and Orthotics International</i> , 2021, 45, 246-253.	1.0	3
38	Quantifying wrist angular excursion on impact for Jab and Hook lead arm shots in boxing. <i>Sports Biomechanics</i> , 2021, , 1-13.	1.6	3
39	Effects of strength training on the biomechanics and coordination of short-term maximal cycling. <i>Journal of Sports Sciences</i> , 2022, 40, 1315-1324.	2.0	3
40	A Novel Method to Find the Neutral Position of the Breast. <i>Procedia Engineering</i> , 2014, 72, 20-25.	1.2	2
41	Joint moments and power in the acceleration phase of bend sprinting. <i>Journal of Biomechanics</i> , 2020, 101, 109632.	2.1	2
42	Test-retest reliability of segment kinetic energy measures in the golf swing. <i>Sports Biomechanics</i> , 2021, 20, 344-359.	1.6	2
43	Prevalence and functional implications of Soleus and Tibialis anterior activation strategies during cycling. <i>Journal of Sports Sciences</i> , 2021, 39, 1-8.	2.0	2
44	Effect of hurdling step strategy on the kinematics of the block start. <i>Sports Biomechanics</i> , 2021, , 1-14.	1.6	1
45	Is a Depth Camera in Agreement with an Electromagnetic Tracking Device when Measuring Head Position?. <i>British and Irish Orthoptic Journal</i> , 2021, 17, 142-149.	0.2	1
46	3D surface-imaging for volumetric measurement in people with obesity. <i>Technology and Health Care</i> , 2018, 26, 363-369.	1.2	0
47	Effect of hurdling step strategy on the kinematics of the hurdle clearance technique. <i>Sports Biomechanics</i> , 2021, , 1-15.	1.6	0