Simon Choppin

List of Publications by Year
in descending order

31 papers	455 citations	759233 12 h-index	752698 20 g-index
33 all docs	33 docs citations	33 times ranked	474 citing authors

#	Article	IF	Citations
1	The accuracy of breast volume measurement methods: A systematic review. Breast, 2016, 28, 121-129.	2.2	65
2	The potential of the Microsoft Kinect in sports analysis and biomechanics. Sports Technology, 2013, 6, 78-85.	0.4	46
3	The accuracy of the Microsoft Kinect in joint angle measurement. Sports Technology, 2014, 7, 98-105.	0.4	32
4	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
5	A review of tennis racket performance parameters. Sports Engineering, 2016, 19, 1-11.	1.1	29
6	Impact characteristics of the ball and racket during play at the Wimbledon qualifying tournament. Sports Engineering, 2011, 13, 163-170.	1.1	28
7	Important performance characteristics in elite clay and grass court tennis match-play. International Journal of Performance Analysis in Sport, 2019, 19, 942-952.	1.1	26
8	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
9	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
10	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
11	An investigation into the power point in tennis. Sports Engineering, 2013, 16, 173-180.	1.1	14
12	Markerless Tracking of Tennis Racket Motion Using a Camera. Procedia Engineering, 2014, 72, 344-349.	1.2	14
13	How shape-based anthropometry can complement traditional anthropometric techniques: a cross-sectional study. Scientific Reports, 2020, 10, 12125.	3.3	14
14	Effects of moment of inertia on restricted motion swing speed. Sports Biomechanics, 2015, 14, 157-167.	1.6	12
15	A simple new method for identifying performance characteristics associated with success in elite tennis. International Journal of Sports Science and Coaching, 2019, 14, 43-50.	1.4	12
16	Single view silhouette fitting techniques for estimating tennis racket position. Sports Engineering, 2018, 21, 137-147.	1.1	10
17	Calculating football drag profiles from simulated trajectories. Sports Engineering, 2013, 16, 189-194.	1.1	9
18	Recommendations for estimating the moments of inertia of a tennis racket. Sports Engineering, 2019, 22, 1.	1.1	9

#	Article	IF	Citations
19	Investigating the relationship between swing weight and swing speed across different sports using historical data. Procedia Engineering, 2012, 34, 766-771.	1.2	8
20	Investigating the most important aspect of elite grass court tennis: Short points. International Journal of Sports Science and Coaching, 2021, 16, 1178-1186.	1.4	8
21	Materials Have Driven the Historical Development of the Tennis Racket. Applied Sciences (Switzerland), 2019, 9, 4352.	2.5	6
22	Modelling of human torso shape variation inferred by geometric morphometrics. PLoS ONE, 2022, 17, e0265255.	2.5	6
23	Characterising the impact performance of field hockey sticks. Sports Engineering, 2012, 15, 221-226.	1.1	4
24	Recommendations for Measuring Tennis Racket Parameters. Proceedings (mdpi), 2018, 2, 263.	0.2	4
25	Estimating somatotype from a singleâ€camera 3D body scanning system. European Journal of Sport Science, 2022, 22, 1204-1210.	2.7	4
26	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
27	Effect of materials and design on the bending stiffness of tennis rackets. European Journal of Physics, 2021, 42, 065005.	0.6	3
28	Torso Shape Improves the Prediction of Body Fat Magnitude and Distribution. International Journal of Environmental Research and Public Health, 2022, 19, 8302.	2.6	3
29	Using the Microsoft Kinect to measure breast volume: Thoughts and experiences. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2014, 67, 1007-1008.	1.0	1
30	Towards an Understanding of Population Health Data in a Single NHS Trust during COVID-19. Healthcare (Switzerland), 2022, 10, 447.	2.0	1
31	The Effect of Ball Wear on Ball Aerodynamics: An Investigation Using Hawk-Eye Data. Proceedings (mdpi), 2018, 2, 265.	0.2	0