Jason Tak-Man Cheung

List of Publications by Year
in descending order

27 papers	1,892 citations	394421 19 h-index	526287 27 g-index
27 all docs	27 docs citations	27 times ranked	1281 citing authors

#	Article	IF	Citations
1	Three-dimensional finite element analysis of the foot during standing—a material sensitivity study. Journal of Biomechanics, 2005, 38, 1045-1054.	2.1	365
2	Effect of Achilles tendon loading on plantar fascia tension in the standing foot. Clinical Biomechanics, 2006, 21, 194-203.	1.2	193
3	A 3-dimensional finite element model of the human foot and ankle for insole design. Archives of Physical Medicine and Rehabilitation, 2005, 86, 353-358.	0.9	169
4	Parametric design of pressure-relieving foot orthosis using statistics-based finite element method. Medical Engineering and Physics, 2008, 30, 269-277.	1.7	156
5	Effects of plantar fascia stiffness on the biomechanical responses of the ankle–foot complex. Clinical Biomechanics, 2004, 19, 839-846.	1.2	148
6	Development of a finite element model of female foot for high-heeled shoe design. Clinical Biomechanics, 2008, 23, S31-S38.	1.2	115
7	Consequences of Partial and Total Plantar Fascia Release: A Finite Element Study. Foot and Ankle International, 2006, 27, 125-132.	2.3	98
8	Effect of sock on biomechanical responses of foot during walking. Clinical Biomechanics, 2006, 21, 314-321.	1.2	90
9	Biomechanical responses of the intervertebral joints to static and vibrational loading: a finite element study. Clinical Biomechanics, 2003, 18, 790-799.	1.2	73
10	Effect of heel height on in-shoe localized triaxial stresses. Journal of Biomechanics, 2011, 44, 2267-2272.	2.1	60
11	Kinetics of Badminton Lunges in Four Directions. Journal of Applied Biomechanics, 2014, 30, 113-118.	0.8	59
12	Influence of rearfoot and forefoot midsole hardness on biomechanical and perception variables during heel-toe running. Footwear Science, 2013, 5, 71-79.	2.1	46
13	Biomechanical simulation of high-heeled shoe donning and walking. Journal of Biomechanics, 2013, 46, 2067-2074.	2.1	41
14	Reliability of a basketball specific testing protocol for footwear fit and comfort perception. Footwear Science, 2011, 3, 151-158.	2.1	35
15	Shoe collar height effect on athletic performance, ankle joint kinematics and kinetics during unanticipated maximum-effort side-cutting performance. Journal of Sports Sciences, 2015, 33, 1738-1749.	2.0	35
16	In-shoe plantar tri-axial stress profiles during maximum-effort cutting maneuvers. Journal of Biomechanics, 2014, 47, 3799-3806.	2.1	34
17	Current methods in computer-aided engineering for footwear design. Footwear Science, 2009, 1, 31-46.	2.1	32
18	Does shoe heel design influence ground reaction forces and knee moments during maximum lunges in elite and intermediate badminton players?. PLoS ONE, 2017, 12, e0174604.	2.5	27

#	Article	IF	Citations
19	Clinical Applications of Computational Simulation of Foot and Ankle. Sports Orthopaedics and Traumatology, 2008, 23, 264-271.	0.1	25
20	Deterioration of Stress Distribution Due to Tunnel Creation in Single-Bundle and Double-Bundle Anterior Cruciate Ligament Reconstructions. Annals of Biomedical Engineering, 2012, 40, 1554-1567.	2.5	22
21	Segmented midsole hardness in the midfoot to forefoot region of running shoes alters subjective perception and biomechanics during heel-toe running revealing potential to enhance footwear. Footwear Science, 2015, 7, 63-79.	2.1	18
22	Influence of protocol complexity on fit perception of basketball footwear. Footwear Science, 2013, 5, 155-163.	2.1	13
23	Effect of tibial drill-guide angle on the mechanical environment at bone tunnel aperture after anatomic single-bundle anterior cruciate ligament reconstruction. International Orthopaedics, 2014, 38, 973-981.	1.9	12
24	Running shoe crash-pad design alters shoe touchdown angles and ankle stability parameters during heel–toe running. Footwear Science, 2015, 7, 81-93.	2.1	11
25	Changes in comfort perception and direction change performance of badminton shoes with extensive usage time. Footwear Science, 2016, 8, 13-17.	2.1	10
26	Effect of soccer shoe ball girth differences on fit perception, agility running and running speed perception. Footwear Science, 2014, 6, 97-103.	2.1	4
27	Computational Modeling the Foot-Insole Interface. Studies in Computational Intelligence, 2007, , 311-321.	0.9	1