

Representative Publications

1. KOBAYASHI, T., LEUNG, A.K.L., AKAZAWA, Y., NAITO, H., TANAKA, M., HUTCHINS, S.W., Design of an automated device to measure sagittal plane flexibility of an articulated ankle-foot orthosis. *Prosthetics and Orthotics International*. (Accepted).
2. SO, R.H.Y., NGAN, B., HORNER, A., BRAASCH, J., BLAUERT, J. AND LEUNG, K.L. Toward orthogonal non-individualized head-related transfer functions for forward and backward directional sound: cluster analysis and an experimental study. *Ergonomics*. (In Press)
3. KOBAYASHI, T, LEUNG, A.K.L., AKAZAWA, Y., TANAKA, M., HUTCHINS, S.W. Quantitative assessment of a spastic ankle joint using a manual device: A preliminary study. *Journal of Biomechanics*. (In Press)
4. LEUNG, A.K.L., WONG, A.F.Y., WONG, E.C.W., HUTCHINS, S.W. The Physiological Cost Index of Walking with an Isocentric Reciprocating Gait Orthosis among Patients with T12 - L1 Spinal Cord Injury. *Prosthetics and Orthotics International* **33(1)**, pp.61-68, 2009.
5. LAI P.P.K., LEUNG, A.K.L., LI, A.N.M., ZHANG M. Three-dimensional gait analysis of Chinese Obese adults. *Clinical Biomechanics*, **23 (S1)**, S2-S6, 2008.
6. YU J., CHEUNG J.T.M, FAN Y., ZHANG Y., LEUNG A.K.L., ZHANG M. Development of a finite element model of female foot for high-heeled shoe design. *Clinical Biomechanics*, **23 (S1)**, S3-S38, 2008.
7. KI, S.W., LEUNG, A.K.L., LI, A.N.M. Comparison of Plantar Pressure Distribution Patterns between Foot Orthoses Provided by the CAD-CAM and Foam Impression Methods. *Prosthetics and Orthotics International* **28(3)**, pp.356-362, 2008.
8. SO, R.H.Y., LEUNG, N.M., BRAASCH, J., LEUNG, K.L. A low cost, non-individualized surround sound system based upon head related transfer functions: An ergonomics study and prototype development. *Applied Ergonomics*, **36**, pp.695-707, 2006.
9. LEUNG, A.K.L., CHENG, J.C.Y., MAK, A.F.T. A cross-sectional study on the development of foot arch function of 2715 Chinese school children. *Prosthetics and Orthotics International*, **29(3)**, pp.241-253, 2005.
10. CHEUNG, J.T.M., ZHANG M, LEUNG, A.K.L., FAN Y. Three-dimensional finite element analysis of the foot during standing – a material sensitivity study. *Journal of Biomechanics*, **38**, pp.1045-1054. 2005.