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研究成果：

期刊論文

1. **Li, KW**, Yu, R-f, Zhang, W (2013), Perception of Hand Force in Power Grip for Females, *Human Factors & Ergonomics in Manufacturing & Service Industries* 23(2), 77-84. March (SSCI)
2. Y.-W. Hsu and **K.-W. Li**, 2013 (Feb), "The measurements of friction coefficient on ramps among different floor materials," *Applied Mechanics and Materials*, Vols. 303-306, pp. 790-793.(EI) doi:10.4028/www.scientific.net/AMM.303-306.790 (EI)
3. **Li, KW**, Lin, CC (2013), Effects of Floor Material, Surface Condition, and Foot Moving Speed on the Coefficient of Friction on the Floor, *Applied Mechanics and Materials* Vols. 303-306 (2013) pp 2704-2707. (EI)
4. **Li, KW**, Chen, CC, Liu, L, Chen, C-Y(2013), Floor Slipperiness Measurement in a Food Factory, *Applied Mechanics and Materials* Vols. 303-306 (2013) pp 769-772 (EI)
5. **Li, KW**, Lin, HC, Chen, CC, Liu, L, Chen, C-Y(2013), Measurements of Friction Coefficient on Kitchen Floors in Restaurants, *Applied Mechanics and Materials* Vols. 303-306 (2013) pp 773-776 (EI)
6. **Li, KW**, Chen, C-Y, Chen, CC, Liu, L (2012), Assessment of slip resistance under footwear materials, tread designs, floor contamination, and floor inclination conditions, *Work* 41, 3349-3351. (SSCI)
7. **Li, KW**, Yu, R-f, (2011). Assessment of grip force and subjective hand force exertion under handedness and postural conditions, *Applied Ergonomics* 42, 929-933.(SCI)

8. **Li, KW**, Yu, R-f, Zhang, W (2011), Roughness and Slipperiness of Floor Surface: Tactile Sensation and Perception, *Safety Science* 49, 508-512. (SCI)
9. Courtney TK, Verma SK, Huang YH, Chang WR, **Li KW**, Filiaggi A (2010), Factors associated with Worker Slipping in Limited Service Restaurants, *Injury Prevention* 16, 36-41. (SCI)
10. Liu, L, **Li, K.W.** (corresponding author), Lee, Y-H, Chen, CC, Chen, C-Y (2010), Friction measurements on “anti-slip” floors under shoe sole, contamination, and inclination conditions, *Safety Science* (SCI, EI, I.F.=0.836), Volume 48, Issue 10, December 2010, Pages 1321-1326
11. Hsu, Y-W, **Li, K.W.** (corresponding author) (2010), A field assessment of floor slipperiness in a fish market in Taiwan, *Safety Science* 48, 556-561 (SCI).
12. **Li, KW** (2009), Chang, WR, Chang, C-C, Evaluation of Two Models of a Slipmeter, *Safety Science* 47, 1434-1439 (SCI).
13. **Li, KW**, Yu, R-f, Gao, Y., Maikala, R. V., Tsai, H-H (2009), Physiological and Subjective Responses in Chinese Construction Workers Performing Combined Manual Materials Handling Tasks, *International Journal of Industrial Ergonomics* 39, 422-427 (SSCI, EI, I.F.=0.76).
14. **Li, KW** (2009), Relationship between the measured friction coefficient and tread groove depth on footwear pad under different floor and surface conditions, *Institute for occupational Safety & Health Journal* 17(1). March.

研討會論文

1. **Li, K.W.**, Liu, Z. K. (2012), Organizational safety climate & work safety performance for concrete mixer drivers, 18th ISSAT International Conference Reliability and Quality in Design, Boston, USA, July 26~28.
2. Liu, L., **Li, K.**, Chen, C.-Y. and Chen, C. (2012), Friction measurements on floors with solid and liquid contaminants, 4th International Conference on Applied Human Factors & Ergonomics, San Francisco, USA, July 21-25, 2012.
3. Courtney TK, Verma SK, Huang YH, Chang WR, **Li KW**, Filiaggi A (2012), Slipping as an upstream measure of outcome for fall-related injury, 140th APHA Annual Meeting (October 27 - October 31, 2012) in San Francisco, CA.
4. **Li, KW**, Chen, C-Y, Chen, CC, Liu, L (2012), Assessment of slip resistance under footwear materials, tread designs, floor contamination, and floor inclination conditions, International Ergonomic Association (IEA) conference paper, February 12-16, 2012, in Recife, Brazil.
5. **Li, KW** (2012), Ergonomics in the Perception of Hand Exertion for Females, 3rd International Conference on Engineering & Business Management, 3806-3809. Shanghai, China, Mar 26-28.

6. 許月如, 李開偉(2012), 青少年主觀負荷水準下之手部握力分析, 中華民國人因工程學會年會, 高雄第一科技大學, Mar 24.
7. 蔡佩紋, 李開偉(2012), 國小學童手部尺寸與握力關係之研究, 中華民國人因工程學會年會, 高雄第一科技大學, Mar 24.
8. 張嘉芬, 李開偉(2012), 國小學童身體尺寸與比例調查, 中華民國人因工程學會年會, 高雄第一科技大學, Mar 24.
9. Li, KW(2011), Measurement of Handgrip Force of the Dominant Hand at Pre-Selected Force Levels for Males, IEEE International Conference on Industrial Engineering and Engineering Management (IEEM2011), Singapore, Dec6~9.
10. Li, KW, Chen, CY, Chen, CC, Liu, L. (2012), Assessment of slip resistance under footwear materials, tread designs, floor contamination, and floor inclination conditions, The 18th World Congress on Ergonomics, February 12-16, 2012, Recife, Brazil, 3349-3351.
11. Li, KW, Huang, YF (2011), Statistics on Injuries and Occupational Incidences in Taiwan, 2nd International Conference on Engineering & Business Management, Wuhan, China, Mar 26-28.
12. 李靜婷, 李開偉(2011), 國小高年級學童身人體測計分析, 人因工程學會年會, 中國醫藥大學, Mar.
13. 洪婉甄, 李開偉(2011), 國小低年級學童身體尺寸與身高比例調查, 人因工程學會年會, 中國醫藥大學, Mar.
14. 林郁娟, 李開偉(2011), 不同施力水準之手部握力, 人因工程學會年會, 中國醫藥大學, Mar.
15. Li, KW, Ho, S-Y, Liu, C-F (2010), A Study of Combined Manual Materials Handling Tasks under Footwear and Lifting and Lowering Height Conditions, IEEE the 17th International Conference on Industrial Engineering & Engineering Management, Oct 29-31, Xiamen, China.
16. Li, KW, Pei, T-Y, Tseng, SW (2010), Guided Grip Force of the Dominant hand for Male Subjects, IEEE the 17th International Conference on Industrial Engineering & Engineering Management, Oct 29-31, Xiamen, China.
17. Li, KW, Liu L, Chen C-Y, Chen Y. T., Tsai H. F.(2010), Slipping Time and Velocity of Footwear Samples in Friction Measurements, IEEE the 17th International Conference on Industrial Engineering & Engineering Management, Oct 29-31, Xiamen, China.
18. Li, KW, Lu J-C, Tseng DL(2010), Friction Measurements on Inclined Dry, Wet, and Glycerol-Contaminated Floors using Four Footwear Samples, IEEE the 17th International Conference on Industrial Engineering & Engineering Management, Oct 29-31, Xiamen, China.

19. **Li, KW** (2010), Correlation Between Guided Grip Force and Perceived Exertion, the 34th Annual Meeting of American Society of Biomechanics, Providence, RI, USA, August 18-21.
20. **Li, KW** (2010), Maximum Acceptable Weight of Handling in Combined Manual Materials Handling Tasks, 34th Annual Meeting of American Society of Biomechanics, Providence, RI, USA, August 18-21.
21. **Li, KW**, Tseng, DL (2009), Major Injuries and Occupational Incidences on Workplaces in Taiwan, Paper present at 10TH Asia Pacific Industrial Engineering & Management Systems Conference, Kitakyushu, Japan. Dec.
22. **Li, KW**, Tseng, SW, Yu, R-F (2009), An Assessment of a Workload Predictive Model in Manual Materials Handling Tasks, Proceedings of the IEEE International Conference on Industrial Engineering and Engineering Management, Hong Kong, 2034-2038.
23. **Li, KW**, Horng, JH (2009), A Comparison of Friction Measurement Results Using Two Slipmeters, Proceedings of the IEEE International Conference on Industrial Engineering and Engineering Management, Hong Kong, 2159-2163.
24. **Li, KW**, Liu, CF (2009), Determination of Maximum Acceptable Weight of Handling in Combined Manual Materials Handling Tasks, Proceedings of the IEEE International Conference on Industrial Engineering and Engineering Management, Hong Kong, 2039-2043.
25. Chang, CL, **Li, KW**, Jou. YT, Hsu, TY (2009), The study of the impact of environmental illuminance on the visual codes working memory during a fencing game, The IEEE International Conference on Networking, Sensing and Control (IEEE ICNSC'09), Okayama, Japan, March 26-29, 2009.
26. **Li**, Chang, WR, Chang C-C (2009), The Reliability of a Friction Measurement Device on the Assessment of Slip & Fall Risk, the IEEE International Conference on Service Operations and Logistics, and Informatics (IEEE/SOLI'2009), Chicago on July, 2009.
27. **Li, KW**, Yu, R-f, Gao, Y, (2009), Physical Workload and an Assessment of a Workload Predictive Model in Manual Materials Handling Tasks, the IEEE International Conference on Service Operations and Logistics, and Informatics (IEEE/SOLI'2009), Chicago on July, 2009.
28. **Li, KW**, Tseng, SW, Liu CF, Houn, CS, Tseng, DL (2009), Physiological and Perceptual Measures in Performing Combined Manual Materials Handling Tasks, 人因學會年會 annual conference of the Ergonomics Society in Taiwan, Mar 21, KaoHsung, Taiwan

29. **Li, KW**, Tsai, HH (2009), A Comparison of Two Slipmeters in the Laboratory, 人因學會年會 annual conference of the Ergonomics Society in Taiwan, Mar 21, KaoHsung, Taiwan

近五年榮譽事蹟

- 2011 考試院 專技人員 高等考試 命題暨閱卷委員
2011 北京 清華大學 工業工程系 高級訪問學者、客座教授
2011 北京 首都經貿大學 安全工程學院 兼任教授
2011 北京 首都經貿大學 安全工程學院 實驗室建置 審查委員
2011-2013 中華民國人因工程學會 學術委員會 主任委員
2011-2013 人因工程學刊 總編輯
2008-2013 Applied Ergonomics 國際期刊 審查委員
2008-2013 International Journal of Industrial Ergonomics 國際期刊
審查委員
2008-2013 Safety Science 國際期刊 審查委員
2010-2012 International Conference of Engineering & Business
Management 組織委員
2013 中華民國人因工程學會年會 籌備委員
2008-2013 行政院國家科學委員會 研究計畫 審查委員
2012 國科會特殊人才獎勵
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2013 中華大學教學優良老師
2011 中華大學優良導師
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