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- Journal of Technology, IE Area Editor（現）

學術論文發表

■ 期刊論文 (SCI/SSCI/TSSCI)

1. Chen YL, Li PY (2026). Forward head posture and neck flexion influence cervical loading during smartphone use. *Scientific Reports* (SCI) (accepted)
2. Chen YL, Cheng YT (2026). Comparative ergonomic assessment of three mouse designs: Biomechanical load and user acceptance after familiarization. *International Journal of Human-Computer Interaction*, 1-15 (SCI/SSCI) (accepted)
3. Chen YL, Chan CY, Fan YP, Wei TT (2026). Visually induced motion sickness during smartphone use in moving metro carriages: Effects of posture and viewing duration—a randomized crossover study. *Healthcare*, 14.12, 1707 (SSCI)
4. Chen YL, Hung YJ (2026). Sensor-based assessment of task-dependent visual–postural–muscular responses to smartphone holder use during a simulated riding-posture task. *Sensors*, 26.11, 3458 (SCI)
5. Chen YL, Yu S, Lee YC (2026). Hand function ergonomic determinants in aging: Effects of sex, age-group, and muscle mass in Taiwanese older adults. *International Journal of Industrial Ergonomics*, 111, 103852 (SCI/SSCI)
6. Chen YL, Su BR, Wang ST, Wang YC (2026). Smartphone gaming while walking increases visual fatigue compared with standing. *Scientific Reports*, 16, 3616 (SCI)
7. Chen YL, Nguyen DD (2025). Walking speed modulates neck–shoulder strain during smartphone use with backpack load. *Healthcare*, 13.23, 3141 (SSCI)
8. Chen YL, Tang WH, Guan YX (2025). Gender-specific biomechanical effects of smartphone use with backpack load during standing and walking. *Scientific Reports*, 15, 36091 (SCI)
9. Chen YL, Hsu CW, Rahman A (2025). From mandate to choice: How voluntary mask wearing shapes interpersonal distance after COVID-19. *Healthcare*, 13.16, 1956 (SSCI)
10. Chen YL, Zhang LP (2025). Postural variability in sitting: Comparing comfortable, habitual, and

correct strategies across chairs. *Applied Sciences*, 15, 7239 (SCI)

11. Chen YL and Chiu PY (2025). Age and sex differences in wrist range of motion: A population-based study of young and elderly Taiwanese adults. *International Journal of Industrial Ergonomics*, 108, 103773 (SCI/SSCI)
12. Lin LJ, Lin YH, Yu SP, Liu TH, Chen YL* (2025). A cluster randomized controlled trial examining the effects of a four-week mindfulness-based practice on primary school students' interpersonal mindfulness, emotional intelligence, and attentional focus. *Frontiers in Psychology*, 16, 1539962 (SSCI)
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16. Chen YL, Lin WC (2024). Enhancing understanding: Back muscle strength and individual flexibility impact on the flexion-relaxation phenomenon in the lumbar erector spinae. *Journal of Electromyography and Kinesiology*, 79, 102949 (SCI)
17. Chen YL, Chu KH, Huang PC, Ho CT, Nguyen HT (2024). Eyestrains among smartphone users while watching videos in Taipei MRT carriages: A comparison between sitting and standing postures. *Scientific Reports*, 14, 25407 (SCI)
18. Lin LJ, Yu SP, Lin YH, Chen YL* (2024). Enhancing subjective well-being in Taiwanese university students through an eight-week mindfulness-based program: A pilot study. *Behavioral Sciences*, 14.11, 980 (SSCI)
19. Chen YL, Liao YH (2024). Differential back muscle flexion-relaxation phenomenon in constrained versus unconstrained leg postures. *Bioengineering*, 11.7, 736 (SCI)
20. Chen YL, Chan YC (2024). Neck and shoulder strains under various head flexing positions while standing and sitting with and without back support for male and female smartphone users. *Ergonomics*, 67.7, 913-924 (SCI/SSCI)
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23. Chen YL, Lee YC, Rahman A (2024). Perceived interpersonal distances: A cross-cultural analysis of young Taiwanese and young Southeast Asians during the Covid-19 pandemic. *Behavioral Sciences*, 14.1, 20 (SSCI)
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25. Chen YL, Rahman A (2023). Effects of target variables on interpersonal distance perception for young Taiwanese during the COVID-19 pandemic. *Healthcare*, 11.12, 1711 (SCI/SSCI)

26. Chen YL, Luo WH (2023). Comparative ergonomic study examining the work-related musculoskeletal disorder symptoms of Taiwanese and Thai workers in a tape manufacturing factory. *International Journal of Environmental Research and Public Health*, 20.4, 2958 (SCI/SSCI)
27. Chen YL, Wu CY, Li SC, Yu TM, SP Yu (2023). Effect of mask coverage on face identification in Taiwanese men and women. *Frontiers in Psychology*, 14, 1082376 (SSCI)
28. Chen YL, Alexander H, Hu YM (2022). Self-reported musculoskeletal disorder symptoms among bus drivers in the Taipei metropolitan area. *International Journal of Environmental Research and Public Health*, 19.17, 10596 (SCI/SSCI)
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32. Chen H, Liu C, Zhou F, Cao X, Wu K, Chen YL, Liu CY, Huang DH, Chiou WK (2022). Focused-attention meditation improves flow, communication skills, and safety attitudes of surgeons. *International Journal of Environmental Research and Public Health*, 19.9, 5292 (SCI/SSCI)
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36. Chen YL, Lin WC, Liao YH, Chen Y, Kang PY (2021). Changing the pattern of the back-muscle flexion-relaxation phenomenon through flexibility training in relatively inflexible young men. *PLOS ONE*, 16.11, e0259619 (SCI/SSCI)
37. Chen YL (2021). Changes in external ischial tuberosity width at varying trunk-thigh angles between sexes using two measurement methods. *Scientific Reports*, 11, 19676 (SCI)
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44. Chen YL, Hu YM, Chuan YC, Wang TC, Chen Yi (2020). Flexibility test affecting the reduction pattern of back muscle activation during trunk flexion. *Applied Sciences*, 10, 5967 (SCI)
45. Chen YL, Cheng YT, Ye JN, Huang TL, Chen WN (2020). Posture and time arrangement influence shank circumference reduction when performing leg raising exercise. *International Journal of Environmental Research and Public Health* 17.16, 5735 (SCI/SSCI)
46. Chen YL, Kuan WH, Liu CL (2020). Comparative study of the composition of sweat from eccrine and apocrine sweat glands during exercise and in heat. *International Journal of Environmental Research and Public Health*, 17.10, 3377 (SCI/SSCI)
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52. Wang MH, Chen YL, Chiou WK* (2019). Using the OVAKO Working Posture Analysis System in cleaning occupations. *Work*, 64.3, 613-621 (SSCI)
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54. Chen YH, Chen YL* (2018). An optimal effective working height for hammering tasks. *Work*, 61, 181-187 (SSCI)
55. Chen YL, Mu YC (2018). Effects of backpack load and position on body strains in male school-children while walking. *PLOS ONE*, 13(3), e0193648 (SCI)
56. Chen YL (2018). Predicting external ischial tuberosity width for both sexes to determine their bicycle-seat sizes. *International Journal of Industrial Ergonomics*, 64, 118-121 (SCI/SSCI)
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paired tumblers. *i-Perception*, 8.4, 1-12 (SSCI)

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59. Chen YL, Wu BZ, Huang DH (2017). Effect of participant physiques on increases in shank circumference for the two prolonged standing conditions. *Human Factors and Ergonomics in Manufacturing & Service Industries*, 27.4, 171-176 (SCI)
60. Chen YL, Lee YC (2017). Effect of an auxiliary device for chopstick operations on the chopstick-use performance of foreign novices. *Neuropsychiatry*, 7.4, 310-315 (SCI)
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64. Chen YL, Sie CC (2016). Design factors affecting the reaction time for identifying toilet signs: A preliminary study. *Perceptual and Motor Skills*, 122.2, 636-649 (SSCI)
65. Chen YL, Yang PJ (2016). A preliminary study of the measurement of external ischial tuberosity width and its gender differences. *Journal of Physical Therapy Science*, 28.3, 820-823 (SCI)
66. Kuan WH, Chen YL* (2016). Bottle material and cleansing procedures of infant feeding bottles. *Southeast Asian Journal of Tropical Medicine and Public Health*, 47.1, 142-151 (SCI)
67. Chen YL, Chiou WK (2015). Comparison of static lifting capacity between experienced and novice Taiwanese female workers. *Work*, 52.3, 549-558 (SSCI)
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85. Lee YC, Chen YL* (2008). An auxiliary device for chopsticks operation to improve the food serving performance. *Applied Ergonomics*, 39.6, 737-742 (SCI/SSCI)
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97. Lee YH, Chen YL* (2000). Regressionally determined vertebral inclination angles of lumbar spine in static lifts. *Clinical Biomechanics*, 15.9, 678-683 (SCI)
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■ 其它期刊論文

1. Yu SP, Chen YL (2025). Effect of grouping type on learning achievement of practice on Creative Thinking for Problem Solving. *Journal of Technology*, 40(1), 59-70 (EI) (in Chinese)
2. Chen YL, Yu SP (2021). Improvement of learning achievement of practice on Work Study using interdisciplinary collaboration. *Ming Chi University of Technology Journal*, 49, 67-76 (in Chinese)
3. Chen YL, Sie CC (2019). Difference in recognition time under various sign combinations between genders – an example of toilet signs, *Industrial Design*, 139, 55-59. (in Chinese)
4. Kuan WH, Chen YL, Yeh C, Huang Y (2019). Integrated habitat monitoring of environmental features to site the releasing of cultivated *Oncorhynchus masou formosanus*. In *IOP Conference Series: Earth and Environmental Science* (Vol. 344, No. 1, p. 012018). IOP Publishing.

5. Chen YL, Ou YS, Hsu SK (2019). Musculoskeletal disorders survey and simulation evaluation of the handmade drinks task: A case report. *Journal of Industrial Engineering and Management Science*, 2017.1, 149-160.
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26. Chen YL, Lee YH (1999). Lumbar posture effect on trunk muscle EMG in holding tasks. *Journal of Ergonomic Study*, 1.1, 39-48.
27. Lee YH, Chen YL (1997). An isometric predictor for maximal acceptable weight of lift for Chinese men. *Occupational Health and Industrial Medicine*, 36.3, 101-102.

■ 國際研討會論文 (近五年)

1. Yu CH, Jin YM, Chen YT, Wu WB, Chen YL (2026). Effects of a customized upper-limb exoskeleton on muscle activity and subjective exertion during static holding tasks. The 13th International Conference on Industrial Engineering and Applications (ICIEA 2026), Kyoto, Japan.
2. Hsu PC, Nguyen DD, Chen YL (2025). Biomechanical assessment of concurrent backpack carriage and smartphone use during walking at various speeds. The 25th Asia Pacific Industrial Engineering and Management Systems Conference (APIEMS 2025), Hangzhou, China.
3. Yu CS, Chen YL (2025). Evaluation of improved lower limb exoskeleton on lifting posture and muscle activity: An ergonomic assessment for industrial applications. The 25th Asia Pacific Industrial Engineering and Management Systems Conference (APIEMS 2025), Hangzhou, China.
4. Chen YL, Tang WH, Guan YX, Hung ZL (2025). Head, neck, and upper trunk movements during smartphone use with varying backpack weights while standing and walking. The 13th IIAE International Conference on Industrial Application Engineering 2025 (ICIAE 2025), Kitakyushu, Japan.
5. Chen YL, Nguyen DD, Chong HZ, Shen YH (2025). Effects of backpack load on shoulder and neck muscle activity during smartphone use while standing and walking. The 13th IIAE International Conference on Industrial Application Engineering 2025 (ICIAE 2025), Kitakyushu, Japan.
6. Chen YL, Li PY (2025). Comparative study of wrist range of motion between young and elderly populations in Taiwan. The 13th IIAE International Conference on Industrial Application Engineering 2025 (ICIAE 2025), Kitakyushu, Japan.
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