郭至恩 著作目錄

期刊論文

- 1. Shyan-Lung Lin*, Shoou-Jeng Yeh, Ching-Kun Chen, Yu-Liang Hsu, Chih-En Kuo, Wei-Yu Chen and Cheng-Pu Hsieh (2020, Dec). Comparisons of the Nonlinear Relationship of Cerebral Blood Flow Response and Cerebral Vasomotor Reactivity to Carbon Dioxide under Hyperventilation between Postural Orthostatic Tachycardia Syndrome Patients and Healthy Subjects. *Journal of Clinical Medicine*, doi:10.3390/jcm9124088.
- 2. Chih-En Kuo* and Guan-Ting Chen (2020, Jun). Automatic Sleep Staging Based on a Hybrid Stacked LSTM Neural Network: Verification using Large-Scale Datasets. *IEEE Access*, DOI: 10.1109/ACCESS.2020.3002548. (Accepted). 本人為第一作者、通訊作者.
- 3. Chih-En Kuo* and Guan-Ting Chen (2020, Apr). A Short-Time Insomnia Detection System Based on Sleep EOG with RCMSE Analysis. *IEEE Access*, DOI: 10.1109/ACCESS.2020.2986397. 本人為第一作者、通訊作者.
- 4. Sheng-Fu Liang, Yu-Hsuan Shih, Yu-Han Hu, and Chin-En Kuo* (2020, Apr). A Method for Napping Time Recommendation using Electrical Brain Activity. *IEEE Transactions on Cognitive and Developmental Systems*. (Accepted). 本人為通訊作者.
- 5. Ting-Ying Wei, Chung-Ping Young, Yu-Ting Liu, Jia-Hao Xu, Sheng-Fu Liang, Fu-Zen Shaw, Chih-En Kuo* (2019, Aug). Development of a rule-based automatic five-sleep-stage scoring method for rats. *BioMedical Engineering OnLine*, 18(1), 92. MOST 106-2218-E-035-013-MY2. 本人為通訊作者.
- 6. Sheng-Fu Liang, Yu-Hsuan Shih, Peng-Yu Chen, Chih-En Kuo* (2019, Jun). Development of a Human-Computer Collaborative Sleep Scoring System for Polysomnography Recordings. *PLOS ONE*, 14(7). MOST 106-2218-E-035-013-MY2. 本人為通訊作者.
- 7. Sheng-Fu Liang, Chih-En Kuo, Fu-Zen Shaw, Ying-Huang Chen, Chia-Hu Hsu, Jyun-Yu Chen (2016, Oct). Combination of expert knowledge and a genetic fuzzy inference system for automatic sleep staging. *IEEE Trans. on Biomedical Engineering*, vol. 63(10), pp. 2108-2118. MOST 103-2221-E-006-178.
- 8. Chih-En Kuo, Yi-Che Liu, Da-Wei Chang, Chung-Ping Young, Fu-Zen Shaw, and Sheng-Fu Liang (2016, Sep). Development and Evaluation of a Wearable

- Device for Sleep Quality Assessment. *IEEE Trans. on Biomedical Engineering*, vol. 64(7), 1547-1557. MOST 105-2221-e-006-221. 本人為第一作者.
- 9. Chih-En Kuo*, Yu-Lin Shen, Charng-Cheng Tsaur, Chwen-Ming Chang, Chen-Shan Kao, Shih-Hsi Hsu, Chun-Hsien Chiu, Thomas Jeng-Ho Chen, Amanda Lih-Chuan Chen, Sheng-Fu Liang(2018年09月)。應用於石化業關鍵設備之集成式智慧預知維護系統。勞動及職業安全衛生研究季刊,第26卷 第3期。本人為第一作者、通訊作者。
- 10. Chih-En Kuo*, Chwen-Ming Chang, Chen-Shan (Jason) Kao, Shih-His Hsu, Jhen-He Chen, Lih-Chuan Chen, Sheng-Fu Liang(2018年01月)。先期開發與評估應用於石化業關鍵設備之智慧預知維護方法。勞動及職業安全衛生研究季刊。(已接受)。本人為第一作者、通訊作者。

研討會論文

- 1. Chih-En Kuo*, Guan-Ting Chen (2019, Nov). A Short-Time Insomnia Detection System Based on Single-Channel Sleep EOG with Multiscale Fuzzy Entropy Analysis. 2020 10th International Conference on Biomedical Engineering and Technology (ICBET 2020). MOST 106-2218-E-035-013-MY2. 本人為第一作者、通訊作者.
- 2. Chin-En Kuo*, Nung-Yi Ling, Si-Wa Chan, Yi-Rui Liu, Yu-Chia Zheng (2019, Nov). An End-to-end Lung Nodule Detection System Based on Deep Neural Network with Multiple Composite Functions. 2020 10th International Conference on Biomedical Engineering and Technology (ICBET 2020). MOST 106-2218-E-035-013-MY2. 本人為第一作者、通訊作者.
- 3. Chih-En Kuo*, Guan-Ting Chen, Nung-Yi Lin (2019, Oct). Automatic Sleep Staging Using Deep Long Short-Term Memory: Validation in Large-Scale Datasets. 2019 3rd International Conference on Computational Biology and Bioinformatics (ICCBB 2019). MOST 106-2218-E-035-013-MY2. 本人為第一作者、通訊作者.
- 4. Chih-En Kuo* (2018, Oct). Intelligence insomnia detection system based on single-channel EEG analysis. The 2018 11th International Conference on Computer and Electrical Engineering (ICCEE 2018). MOST 106-2218-E-035-013-MY2. 本人為第一作者、通訊作者.
- 5. Chih-En Kuo, Sheng-Fu Liang, Peng-Yu Chen (2017, Aug). Development and Evaluation of Human-Computer Cooperation Sleep Scoring System Based on the Reliability Analysis. TAI CHI' 2017. MOST 106-2218-E-035-013-MY2. 本人為第一作者、通訊作者.
- 6. Sheng-Fu Liang*, Tsung-Hao Hsieh, and Chih-En Kuo (2016, Jul). Development

and Validation of Assessable and Wearable Health Monitoring Systems. 5th Annual Global Healthcare Conference.