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(A) 期刊論文

1. Tzeng, SL; Chen, BY; Huang, HC. Assessing Spatial Stationarity and Segmenting Spatial Processes into Stationary Components. *JOURNAL OF AGRICULTURAL BIOLOGICAL AND ENVIRONMENTAL STATISTICS*. 2023. [SCI, NSYSU]
2. ShengLi Tzeng, Chi-Wei Lai and Hsin-Cheng Huang*. Spatially adaptive calibrations of AirBox PM2.5 data. *BIOMETRICS*, to appear, 2023+. [SCI, NSYSU]
3. Heng-Hui Lue and ShengLi Tzeng*. Interpretable, predictive spatio-temporal models via enhanced pairwise directions estimation. *JOURNAL OF APPLIED STATISTICS*, to appear, 2023+. [SCI, NSYSU]
4. Ding-Chih Lin, Hsin-Cheng Huang and ShengLi Tzeng*. Some enhancements to DeepKriging. *STAT*, to appear, 2023+. [SCI, NSYSU]
5. ShengLi Tzeng, Chun-Shu Chen, Yu-Fen Li and Jin-Hua Chen*. On summary ROC curve for dichotomous diagnostic studies: an application to meta-analysis of COVID-19. *JOURNAL OF APPLIED STATISTICS*, to appear, 2023+. [SCI, NSYSU]
6. Yu-Jie Huang, Shun-Hong Wang and ShengLi Tzeng*. Exploring the spatial patterns of the PM2.5 time series—a case study of microsensors in Taichung. *JOURNAL OF THE CHINESE STATISTICAL ASSOCIATION*, 60(2), 178-194, 2022. [NSYSU]
7. Sean R. Anderson*, Rachael Jocewicz, Alan Kan, Jun Zhu, ShengLi Tzeng and Ruth Y. Litovsky. Sound source localization patterns and bilateral cochlear implants: Age at onset of deafness effects. *PLOS ONE*, 17(2), e0263516, 2022. [SCI, NSYSU]
8. ShengLi Tzeng, Jun Zhu*, Weisman, Amy J. Weisman, Tyler J. Bradshaw, and Robert Jeraj. Spatial process decomposition for quantitative imaging biomarkers using multiple images of varying shapes. *STATISTICS IN MEDICINE*, 40(5):1243-1261, 2021. [SCI, NSYSU]
9. Guowen Huang, Ling-Jyh Chen, Wen-Han Hwang, ShengLi Tzeng, and Hsin-Cheng Huang*. Real-time PM 2.5 mapping and anomaly detection from AirBoxes in Taiwan. *ENVIRONMETRICS*, 29(8):e2537, 2018. [SCI, NSYSU]
10. Un Jung Lee, ShengLi Tzeng, Yu-Chuan Chen, and James J. Chen*. Prognostic and predictive signatures for treatment decisions. *BIOMARKERS IN MEDICINE*, 12, 849-859, 2018. [SCI]
11. ShengLi Tzeng and Hsin-Cheng Huang*. Resolution adaptive fixed rank kriging. *TECHNOMETRICS*, 60, 198-208, 2018. [SCI]
12. ShengLi Tzeng, Christian Hennig, Yu-Fen Li, and Chien-Ju Lin*. Dissimilarity for functional data clustering based on smoothing parameter commutation. *STATISTICAL METHODS IN MEDICAL RESEARCH*, 0962280217710050, 2017. [SCI]
13. ShengLi Tzeng and Hsin-Cheng Huang*. Non-stationary multivariate spatial covariance estimation via low-rank regularization. *STATISTICA SINICA*, 25, 151-171, 2015 [SCI]
14. James J. Chen, Chen-An Tsai, ShengLi Tzeng, and Chun-Houh Chen*. Gene selection with multiple ordering criteria. *BMC BIOINFORMATICS*, 8, 74, 2007. [SCI]
15. ShengLi Tzeng, Hsin-Cheng Huang, and Noel Cressie*. A fast, optimal spatial-prediction method for massive datasets. *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*, 100, 1343-1357, 2005. [SCI]

(B) 專書及其他著作

1. ShengLi Tzeng, Han-Ming Wu, and Chun-Houh Chen (2009). Selection of proximity measures for matrix visualization of binary data. In *Biomedical Engineering and Informatics, 2009. BMEI'09. 2nd International Conference on IEEE*, pp. 1-9.
2. Han-Ming Wu, ShengLi Tzeng, and Chun-Houh Chen (2008). Matrix visualization. In *Handbook of Computational Statistics: Data Visualization*, Chen CH, Härdle W, Unwin A (eds). Berlin: Springer-Verlag, pp. 681-708.