

Jun SONG
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Chinese Name

宋俊

Qualifications

Geography, PhD, Imperial College London
1 Sep 2017 → 1 Aug 2021
Award Date: 1 Aug 2021

Employment

Research Assistant Professor
Department of Geography
Hong Kong Baptist University
3 Oct 2022 → present

Research outputs

Toward High-Performance Map-Recovery of Air Pollution Using Machine Learning

Song, J., Fan, H., Gao, M., Xu, Y., Ran, M., Liu, X. & Guo, Y-K., 13 Jan 2023, In: ACS ES&T Engineering. 3, 1, p. 73–85 13 p.

CA-STD: Scene Text Detection in Arbitrary Shape Based on Conditional Attention

Wu, X., Qi, Y., Song, J., Yao, J., Wang, Y., Liu, Y., Han, Y. & Qian, Q., 1 Dec 2022, In: Information. 13, 12, 14 p., 565.

Optimization of Land Use Regression Modelling of PM_{2.5} Spatial Variations in Different Seasons across China

Chai, J., Song, J., Zhang, L., Guo, B. & Xu, Y., 28 Sep 2022, In: Journal of Sensors. 2022, 9 p., 3659254.

Enhancing the Applicability of Satellite Remote Sensing for PM_{2.5} Estimation Using Machine Learning Models in China

Chai, J., Song, J., Xu, Y., Zhang, L. & Guo, B., 27 Sep 2022, In: Journal of Sensors. 2022, 8 p., 7148682.

ST-Bikes: Predicting Travel-Behaviors of Sharing-Bikes Exploiting Urban Big Data

Chai, J., Song, J., Fan, H., Xu, Y., Zhang, L., Guo, B. & Xu, Y., 18 Aug 2022, (E-pub ahead of print) In: IEEE Transactions on Intelligent Transportation Systems. p. 1-11 11 p.

A novel multi-pollutant space-time learning network for air pollution inference

Song, J. & Stettler, M. E. J., 10 Mar 2022, In: Science of the Total Environment. 811, 152254.

Deep-MAPS: Machine-Learning-Based Mobile Air Pollution Sensing

Song, J., Han, K. & Stettler, M. E. J., 1 May 2021, In: IEEE Internet of Things Journal. 8, 9, p. 7649-7660 12 p.

Research on Visible Sensing Recognition Linkage Model & Decision Support System for PM 2.5 Distribution in Road Network: A Case Study of Chengdu Area

Song, J., Chaozhe, J., Han, K., Quan, S. & Fu, L., 8 Jan 2017.

The Bus Line Supporting System Based on Learning Neural Network Model Applied In GIS

Song, J. & Quan, S., Feb 2016, *Proceedings of the 2015 5th International Conference on Computer Sciences and Automation Engineering*. Atlantis Press, p. 11-14 4 p. (Advances in Computer Science Research).

Analysis of Model of Community Sports Logistics Distribution Center Location under Electronic Commerce

Xu, F., Song, J., Yuan, J. & Jiang, C., 19 Oct 2013, *ICTE 2013*. Peng, Q. & Wang, K. (eds.). American Society of Civil Engineers (ASCE)

Planning of Dynamic Routing of Logistics in Urban Public Sports Facilities Based on MAS

Yuan, J., Song, J., Zhang, Y., Jiang, C. & Xu, F., 19 Oct 2013, *ICTE 2013*. Peng, Q. & Wang, K. (eds.). American Society of Civil Engineers (ASCE)

Prizes

China Youth Entrepreneurship Award

SONG, Jun (Recipient), 2017