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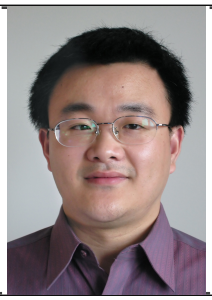

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Email: yanpeng.cai@bnu.edu.cn Website: http://envfaculty.bnu.edu.cn/Public/htm/news/5/55.html

Education:

PhD: University of Regina MS: Beijing Normal University BS: Beijing Normal University

General Areas of Expertise:

Systems modeling, simulation and optimization, ecological restoration, water systems analysis, watershed management, life cycle assessment, and climate change impact analysis and adaptation planning

Short Bio:

Dr. Cai got his Ph.d. degree at the University of Regina in Canada in 2010. He was back to China in 2013 and has worked as a professor at Beijing Normal University. He is now the director for the State Laboratory of Water Environment Simulation. He has published over 120 SCI index international journal papers. The H factor for him is 24. His research covers Systems modeling, simulation and optimization, ecological restoration, water systems analysis, watershed management, life cycle assessment, and climate change impact analysis and adaptation planning.

Five Representative Publications:

(1) Cai, Y.P., Rong, Q.Q.*, Yang, Z.F. et al. (2018). An export coefficient based inexact fuzzy bi-level multi-objective programming model for the management of agricultural nonpoint source pollution under uncertainty. Journal of Hydrology, 2018.2, 557: 713–725
(2) Liu, K.K., Li, C.H., Cai, Y.P.* et al. (2014). Comprehensive evaluation of water resources security in the yellow river basin based on a fuzzy multi-attribute decision analysis approach. Hydrology and Earth System Sciences, 18: 1605-1623.
(3) Xu, W., Cai, Y.P.*, Yang, Z. F. et al. (2017). Microbial nitrification, denitrification and respiration in the leached cinnamon soil of the upper basin of Miyun reservoir. Scientific Reports, 7, 42032.
(4) Dai, C., Cai, Y.P.*, Sun, W., Huang, G.H. (2016). Identification of optimal placements of best management practices through an interval-fuzzy possibilistic programming model. Agricultural Water Management, 165: 108–121.
(5) Li, C., Sun, L., Jia, J., Cai, Y.P.* et al. (2016). Risk assessment of water pollution sources based on an integrated k -means clustering and set pair analysis method in the region of Shiyan, China. Science of the Total Environment, 557: 307-316.

FEWSTERN Symposium 2017 Presentation Title and Abstract:

SUBMIT RESET