



姓名：盛玉红

性别：女

职称：副教授

E-mail: shengyuhong1@sina.com

个人简历

盛玉红，1970年7月生，女，汉族，黑龙江大庆人，中共党员。新疆大学数学与系统科学学院统计系教师，副教授。1995年7月本科毕业于东北林业大学师范学院应用数学系，2008年1月硕士毕业于新疆大学数学与系统科学学院，2015年7月博士毕业于清华大学数学科学系、理学博士。目前主要从事不确定理论、机会理论、不确定网络优化、不确定随机网络优化等方面的科研工作。

近5年内,申请人已在国际期刊发表论文25篇,其中SCI检索论文20篇,部分研究成果发表在《Fuzzy Optimization and Decision Making》,《Computers & Industrial Engineering》,《Journal of Intelligent and Fuzzy Systems》,《International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems》等期刊。

科研项目

主持国家自然科学基金地区基金项目：“高安全压力下谣言传播规律的模型构建与预测研究”，No. 61563050，2016.1-2019.12.

主持新疆大学博士启动基金项目：“突发自然灾害下的应急物资配送模型构建与优化”，No. BS160206，2016.1-2017.12.

参与国家自然科学基金新疆联合基金重点项目：“新疆多语言环境网络信息传播建模与舆论引导机制分析及应用”，子项目主持， No. U1703262, 2018.1-2021.12.

参与国家自然科学基金面上项目：“不确定随机规划规划及其应用”，主要参与者， No. 61573210, 2016.1-2019.12.

参与国家自然科学基金地区基金项目：“Android移动终端多语种基础软件组合的安全技术研究”，主要参与者， No. 61462086, 2015.1-2018.12.

科研成果（论文、专著等）

近5年已发表的代表性论文：

[1] **Yuhong Sheng**, Gang Shi, D.A. Ralescu, Entropy of Uncertain Random Variables with Application to Minimum Spanning Tree Problem, International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, Vol.33, NO.3, 853–858, 2017. (SCI)

[2] **Yuhong Sheng**, Rong Gao, Zhiqiang Zhang, Uncertain population model with age-structure, Journal of Intelligent & Fuzzy Systems, Vol.33, No.2, 853-858, 2017. (SCI)

[3] **Yuhong Sheng**, Gang Shi and Qing Cui, Almost sure stability for multifactor uncertain differential equation, Journal of Intelligent and Fuzzy Systems, Vol.32, 2187–2194, 2017. (SCI)

[4] **Yuhong Sheng**, Stability of high-order uncertain differential equations, Journal of Intelligent and Fuzzy Systems, Vol.33, 1363-1373, 2017. (SCI)

[5] **Yuhong Sheng**, Zhongfeng Qin, Gang Shi, Minimum Spanning Tree of Uncertain Random Network, Journal of Intelligent Manufacturing, Vol.28, No.3, 565-574, 2017. (SCI)

[6] Zhiming Li, **Yuhong Sheng**, Zhidong Teng, Hui Miao, An uncertain differential equation for SIS epidemic model, Journal of Intelligent and Fuzzy Systems, Vol.33, 2317-2327, 2017. (SCI)

[7] H. Ahmadzade, Rong Gao, M.H. Dehghan, **Yuhong Sheng**, Partial entropy of uncertain random variables, Journal of Intelligent and Fuzzy Systems, Vol.33, 105-112, 2017. (SCI)

[8] H. Ahmadzade, **Yuhong Sheng**, M. Esfahani, On the Convergence of Uncertain Random Sequences Fuzzy Optimization and Decision Making, Vol.16, No.2, 205-220, 2017. (SCI)

- [9] H. Ahmadzade, **Yuhong Sheng**, Some Results of Moments of Uncertain Random Variables, Iranian Journal of Fuzzy Systems, Vol.14, No.2, 1-21, 2017. (SCI)
- [10] Gang Shi, **Yuhong Sheng**, Dan A. Ralescu, The Maximum Flow Problem of Uncertain Random Network, Journal of Ambient Intelligence and Humanized Computing, Vol.8, 667-675, 2017. (SCI)
- [11] Gang Shi, Zhiqiang Zhang, **Yuhong Sheng**, Valuation of stock loan under uncertain mean-reverting stock model, Journal of Intelligent and Fuzzy Systems, Vol.33, 1355-1361, 2017. (SCI)
- [12] **Yuhong Sheng**, Yuan Gao, Shortest Path Problem of Uncertain Random Network, Computers & Industrial Engineering, Vol.99, No.1, 99-105, 2016. (SCI)
- [13] **Yuhong Sheng**, Jinwu Gao, Exponential Stability of Uncertain Differential Equation. Soft Computing, Vol.20, No.9, 3673-3678, 2016. (SCI)
- [14] Rong Gao, **Yuhong Sheng**, Law of Large Numbers for Uncertain Random Variables with Different Chance Distributions, Journal of Intelligent and Fuzzy Systems, Vol.31, No.3, 1263–1271, 2016. (SCI)
- [15] Zhiqiang Zhang, Weiqi Liu, **Yuhong Sheng**, Valuation of power option for uncertain financial market. Applied Mathematics and Computation, Vol.286, 257-264, 2016. (SCI)
- [16] **Yuhong Sheng**, Gang Shi, Chongguo Wang, H. Ahmadzade, A Hybrid Transportation Model with Uncertain Random Parameters, Journal of Modeling and Optimization, Vol.8, No.1, 43–52, 2016.
- [17] **Yuhong Sheng**, S. Kar, Some Results of Moments of Uncertain Variable through Inverse Uncertainty Distribution, Fuzzy Optimization and Decision Making, Vol.14, No.1, 57-76, 2015.(SCI)
- [18] Kai Yao, Hua Ke, **Yuhong Sheng**, Stability in Mean for Uncertain Differential Equation, Fuzzy Optimization and Decision Making, Vol.14, No.3, 365-379, 2015.(SCI)
- [19] Gang Shi, **Yuhong Sheng**, Qing Cui, Relative Entropy Model of Uncertain Random Shortest Path, International Journal of e-Navigation and Maritime Economy, Vol.2, 89-100, 2015.
- [20] **Yuhong Sheng**, Chongguo Wang, Stability in p-th Moment for Uncertain Differential Equation, Journal of Intelligent and Fuzzy Systems, Vol.26, No.3, 1263–1271, 2014. (SCI)
- [21] **Yuhong Sheng**, Kai Yao, Some Formulas of Variance of Uncertain Random Variable, Journal of Uncertainty Analysis and Applications, Vol.2, Article 12, 2014.

[22] **Yuhong Sheng**, Jinwu Gao, Chance Distribution of the Maximum Flow of Uncertain Random Network, Journal of Uncertainty Analysis and Applications, Vol.2, Article 15, 2014.

[23] Qing Cui, **Yuhong Sheng**, Uncertain Programming Model for Solid Transportation Problem, Information: An International Interdisciplinary Journal, Vol.16, No.2(A), 1207-1214, 2013. (SCI)

[24] **Yuhong Sheng**, Kai Yao, A Transportation Model with Uncertain Costs and Demands, Information: An International Interdisciplinary Journal, Vol.15, No.8, 3179-3186, 2012. (SCI)

[25] **Yuhong Sheng**, Kai Yao, Fixed Charge Transportation Problem in Uncertain Environment, Industrial Engineering and Management Systems, Vol.11, No.2, 183-187, 2012.