

## 个人情况

曾建潮，男，生于1963年，教授，博士生导师，研究方向是复杂系统与群体智能，复杂系统预测与健康健康管理。

### 学习经历：

1987/09—1990/03，西安交通大学，系统工程研究所，博士学位

1982/09—1985/04，西安交通大学，系统工程研究所，硕士学位

1978/09—1982/07，太原重型机械学院，机械一系，学士学位

### 主要科研成果及荣誉（2013年-2018年）

#### 1、项目

(1) 风电机组大数据应用服务系统设计与开发，山西省重点研发计划项目，2018/01-2021/12，主持；

(2) 基于物联网体系结构的泵车 MRO 支持系统研究与开发，山西省科技攻关项目，2014/01-2016/12，主持；

(3) 多设备环境下考虑设备维修的生产调度问题建模与优化方法研究，山西省回国留学人员科研资助项目，2013/01-2015/12，主持；

(4) 基于物联网体系结构的煤炭安全大数据平台研究，晋城市科技计划项目，2014/01-2016/12，主持；

(5) 复杂多部件系统视情维修及其与备件库存联合决策的建模与优化研究，国家自然科学基金面上项目，2016/01-2016/12，主持；

(6) 基于物理学原理的群体智能行为涌现机制与群体智能算法研究，国家青年科学基金项目，2015/01-2017/12，参与。

#### 2、论文（优秀论文及专著、译著或教材等）2013-2018年 SCI

## 收录论文 11 篇，其中一区 2 篇，二区 6 篇

- (1) Jie Tian, Ying Tan, Jianchao Zeng, Chaoli Sun, Yaochu Jin, Multi-objective Infill Criterion Driven Gaussian Process Assisted Particle Swarm Optimization of High-dimensional Expensive Problems, *IEEE Transactions on Evolutionary Computation*, 2018, accepted. (SCI, 一区)
- (2) Haibo Yu, Ying Tan, Jianchao Zeng, Chaoli Sun, A generation-based optimal restart strategy for surrogate-assisted social learning particle swarm optimization, *Knowledge-Based Systems*, 2019, 163(1), pp. 14-25. (SCI, 二区)
- (3) Haibo Yu, Ying Tan, Jianchao Zeng, Chaoli Sun, Yaochu Jin, Surrogate-assisted Hierarchical Particle Swarm Optimization, *Information Sciences*, 2018, 454, pp. 59-72. (SCI, 二区)
- (4) Chaoli Sun, Yaochu Jin, Ran Cheng, Jinliang Ding, Jianchao Zeng, Surrogate-assisted Cooperative Swarm Optimization of High-dimensional Expensive Problems, *IEEE Transactions on Evolutionary Computation*, 2017, 21(4), pp. 644-660. (SCI, 一区)
- (5) Xiaohong Zhang, Jianchao Zeng, Joint optimization of condition-based opportunistic maintenance and spare parts provisioning policy in multiunit systems, *European Journal of Operational Research*, 2017, 262(2), pp. 479-498. (SCI, 二区)
- (6) Hui Shi, Jianchao Zeng, Real-time prediction of remaining useful life and preventive opportunistic maintenance strategy for multi-component systems considering stochastic dependence, *Computers & Industrial Engineering*, 2016, 93, pp. 192-204. (SCI, 二区)
- (7) Xiaohong Zhang, Jianchao Zeng, A general modeling method for opportunistic maintenance modeling of multi-unit systems, *Reliability Engineering & System Safety*, 2015, 140(0), pp. 176-190. (SCI, 二区)
- (8) Chaoli Sun, Yaochu Jin, Jinliang Ding, Jianchao Zeng, A fitness approximation assisted competitive swarm optimizer for large scale expensive optimization problems, *Memetic Computing*, 2018, 10(2), pp. 123-134. (SCI, 四区)
- (9) Chaoli Sun, Yaochu Jin, Jianchao Zeng, Yang Yu, A Two-layer Surrogate-assisted Particle Swarm Optimization Algorithm, *Soft Computing*, 2015, 19(6), pp. 1461-1475. (SCI, 三区)
- (10) Xiaohong Zhang, Jianchao Zeng, Deterioration state space partitioning method for opportunistic maintenance modelling of identical multi-unit systems. *International Journal of Production Research*, 2014, 53(7): 2100-2118. (SCI, 三区)
- (11) Chaoli Sun, Jianchao Zeng, Jengshyang Pan, Songdong Xue, Yaochu Jin, A New Fitness Estimation Strategy for Particle Swarm Optimization, *Information Sciences*, 2013, 221, pp. 355-370. (SCI, 二区)