

CAC2021 优秀论文评审结果

2021 中国自动化大会优秀论文评审会于 11 月 22 日召开，评选出理论方向、应用方向优秀论文各 12 篇，现将评审结果公布如下：

CAC2021 最佳论文（理论方向）

(按论文 ID 排序)

论文 ID	论文题目	论文作者
2702	Soft-Sensing Method of Effluent Ammonia Nitrogen Based on Emotional Neural Network	Hongye Zhang, Cuili Yang and Junfei Qiao
3154	An Adaptive Data Decoupling Model for Rotating Machinery Multiple Faults Diagnosis	Jing Yang, Haiyu Luo, Cheng Yang, Qijun Li, Guo Xie and Yanxi Yang
3267	High-Resolution representation object pose estimation from monocular images	Qi Guan, Wenfa Li, Shibe Xue and Dewei Li
3841	具有避障能力的机器人技能学习动态系统方法	梁昕宇, 金聪聪, 张文安
3868	Multi-objective Optimization of Path-Constrained Switched Systems Using the Modified Epsilon-Constraint Method	Chi Zhang and Jun Fu
3902	Image Analysis of Crystal Size Distribution and Agglomeration for β form L-Glutamic Acid Crystallization based on YOLOv4 Deep Learning	Zhenyu Jiang, Tao Liu, Yan Huo and Ji Fan
3904	An Evaluation Method of Ocean Current Impacting on Underwater Vehicle Navigation Based on D Numbers Theory	Yuxin Zhao, Nan Jiang, Renfeng Jia, Xiong Deng, Yang Chen and Changzhe Wu
4267	多目标人工变性天牛算法	彭钰, 杜先君, 余萍, 韩晓矿
4323	Distributed Fuzzy Clustering Based Association Rule Mining: Design, Deployment and Implementation	Jinxian Wu, Li Dai, Yaling Ma, Weidong Zou and Yuanqing Xia
4394	Coverage Optimization of Multi-Camera for Deformable Contour Shapes	Chang Li, Xi Chen and Li Chai
4730	Finite and infinite clusters mean field control problems via graphon theory	Yong Liang, Bing-Chang Wang and Huanshui Zhang

CAC2021 最佳论文（理论方向）

(按论文 ID 排序)

论文 ID	论文题目	论文作者
5088	Analysis of the influence of SOFC degradation on system State and performance	Hongchuan Qin, Jianhua Jiang, Zhe Cheng, Bingtao Zhang, Renjie Zhou and Jian Li

CAC2021 最佳论文（应用方向）

(按论文 ID 排序)

论文 ID	论文题目	论文作者
3274	Multiple working conditions cobalt ion concentration prediction model based on correlate relation of different working conditions judged by fuzzy correlation factor	张旭隆, 李勇刚, 孙备, 陈威扬
3420	Anomaly Detection of Marine Gas Turbines based on WDCA-ARX Model	Ran Ao, Yunpeng Cao, Junqi Luan, Hui Zhang, Xiaoyu Han and Shuying Li
3805	基于坐标变换的高炉U型溜槽上炉料运动轨迹数学建模研究	周科, 蒋朝辉, 桂卫华, 黄建才, 朱既承
3816	A Mobile Robotic System for Data Center Thermal Environment Measurement and Reconstruction	Ronghan Qin, Qiu Fang and Yaonan Wang
3833	变进料性质下蒸馏装置运行约束优化方法	陈庆达, 丁进良, 柴天佑
3974	A Real-time Football Goalkeeper Robot System Based on Fuzzy Logic Control	Jinyan Tian, Hanzhong Liu, Shilu Dai and Chenguang Yang
4090	VFM-based modelling of burden descent under varying burden charging matrix for blast furnace	Zheng Hao, Xiao-Yu Tang, Wangzhen Jin, Haifeng Ji and Chunjie Yang
4544	Online Adaptive and Attention-based Reference Path Generation for Upper-limb Rehabilitation Robot	张煜, 程龙
5131	Cascaded Design for Robust Trajectory Tracking Control of an Underactuated Surface Vehicle	Ziyin Chen and Shuzhi Sam Ge

CAC2021 最佳论文（应用方向）

(按论文 ID 排序)

论文 ID	论文题目	论文作者
5152	Distributed Robust Secondary Control Strategy for AC Microgrids With Bounded Disturbances	Chao Peng, Yan Li, Daduan Zhao and Yue Sun
5187	Finite-Time Sliding Mode Control for DC-DC Buck Converters Subject to Time-Varying Disturbances	Chuankai Zhang, Zuo Wang and Shihua Li
5312	给水泵汽轮机调节汽阀冗余控制的实现及应用	胡轶群, 廖荣泽, 黄文生, 黄雁, 李太安, 程诚

中国自动化大会组委会

2021 年 11 月 24 日