

期刊論文

年度	論文名稱	作者
2020	Vibration Signals Analysis by Explainable Artificial Intelligence (XAI) Approach: Application on Bearing Faults Diagnosis	H. Y. Chan and C. H. Lee
2020	Prognosis of Bearing and Gear Wears Using Convolutional Neural Network with Hybrid Loss Function	C. C. Lo, C. H. Lee, and W. C. Huang
2020	Adaptive Model-free Coupling Controller Design for Multi-Axis Systems	B. S. Chen and C. H. Lee
2020	Intelligent Machining System Based on CNC Controller Parameters Selection and Optimization	H. W. Chiu and C. H. Lee
2020	Virtual feed drive system of machine tools development and applications in diagnosis and servo-tuning	K. F. Lee and C. H. Lee
2020	Virtual Machining System Development for Electrical Discharge Machining	G. J. Chen, C. H. Lee, and W. Y. Lai
2020	即時自動化光學檢測系統	施雨、何俊頡、劉俊宏、李慶鴻
2020	Optimization of Automated Storage/Retrieval System — A Case Study of Central Warehouse Center of TPC	劉家銘、李慶鴻
2019	Electricity consumption prediction for buildings using multiple adaptive network-based fuzzy inference system models and gray relational analysis	H. Y. Chan and C. H. Lee
2019	Adaptive Impedance Force Controller Design for Robot Manipulator including Actuator Dynamics	Z. Y. Jang and C. H. Lee

- 2019 強化學習應用於深孔機加工參數優化 陳國榕, 張晉蓊, 李慶鴻
- 2019 工具機智能加值系統整合 李慶鴻、李格非、張晉蓊、郭維峰
- 2019 Machining Parameters Selection for High Speed Processing W. F. Kuo and C. H. Lee
- 2019 Electricity Consumption Forecasting of Building Using H. Y. Chen and C. H. Lee
Hierrarchical ANFIS and GRA
- 2019 Fault Detection and Remaining Useful Life Estimation of C. C. Lo, B. S. Chen, and C. H.
Bearing Using Deep Learning Approach Lee
- 2018 Modelling and Servo-tuning of Feed Drive System for Machine K. F. Lee and C. H. Lee
Tools
- 2018 Adaptive Model-Free Coupling Controller Design for Multi- B. S. Chen and C. H. Lee
Axis System
- 2018 Rapid Identification of Friction of Feed Drive Systems for C. H. Lee and K. F. Lee
Machine Tools
- 2018 A Recurrent Fuzzy Neural Network-Based Adaptive Coupling B. S. Chen and C. H. Lee
Control for Multi-Axis Systems
- 2018 Adaptive Coupling Controller Design for Multi-axis Systems B. S. Chen and C. H. Lee
of Machine Tools
- 2018 光學鏡片揉膠暨檢測之自動化系統實現 翁瑋廷, 羅嘉賢, 蕭柔, 李慶鴻
- 2018 應用機械學習技術於自動化光學檢測系統設計 蔡承宗, 林嘉晟, 郭軒呈, 李慶鴻

資料來源：

<https://sites.google.com/view/nchuicalab/about-pi/publications?authuser=0>