

Theme 4-2: Machine Learning Techniques - 2023

Title	Authors	Scopus Source title	Source type
Identification of Mechanical Parameters in Flexible Drive Systems Using Hybrid Particle Swarm Optimization Based on the Quasi-Newton Method	Hafez, I. Dhaouadi, R.	Algorithms	Article
A Comparative Study of Hybrid PSO Algorithms for Parameter Identification in Flexible Electric Drive Systems	Hafez, I. Dhaouadi, R.	Lecture Notes in Networks and Systems	Conference Paper
An IoT deep learning-based home appliances management and classification system	Solatidehkordi, Z. Ramesh, J. Al-Ali, A.R. Osman, A. Shaaban, M.	Energy Reports	Journal
Static Video Summarization Using Video Coding Features with Frame-Level Temporal Subsampling and Deep Learning	Issa, O. Shanableh, T.	Applied Sciences (Switzerland)	Journal
Video-Based Recognition of Human Activity Using Novel Feature Extraction Techniques	Issa, O. Shanableh, T.	Applied Sciences (Switzerland)	Journal
ViCo-MoCo-DL: Video Coding and Motion Compensation Solutions for Human Activity Recognition Using Deep Learning	Shanableh, T.	IEEE Access	Journal
A new Lagrangian solution scheme for non-decomposable multidisciplinary design optimization problems	Hamdan, B. Wang, P.	Structural and Multidisciplinary Optimization	Journal
Reliability Analysis Using Multi-Fidelity Physics-Informed Machine Learning	Xu, Y. Hamdan, B. Wang, P.	IISE Annual Conference and Expo	Conference Proceeding
Multi-fidelity Surrogate Modeling for Reliability Optimization with Implicit Functions	Hamdan, B. Wang, P.	IISE Annual Conference and Expo	Conference Proceeding
Support Vector Regression (SVR) for Prediction of Ultrasound Drug Release	Shomope, I. Abdel Jabbar, N. Husseini, G.	9th International Conference on Modeling, Simulation and Applied Optimization, ICMSAO'23	Conference Proceeding