Theme 4-2: Machine Learning Techniques - 2022

Title	Authors	Scopus Source title	Volume	Issue	Pages	Publication type
Deep learning for gas sensing using MOFs coated weakly-coupled microbeams	Ghommem, M.| Puzyrev, V.| Sabouni, R.| Najar, F.	Applied Mathematical Modelling	105	-	711-728	Article
Survey on Implementations of Generative Adversarial Networks for Semi-Supervised Learning	Sajun, A.R.| Zualkernan, I.	Applied Sciences (Switzerland)	12	3	-	Review
Investigating the Performance of FixMatch for COVID-19 Detection in Chest X-rays	Sajun, A.R.| Zualkernan, I.| Sankalpa, D.	Applied Sciences (Switzerland)	12	9	-	Article
Machine learning and structural health monitoring overview with emerging technology and high-dimensional data source highlights	Malekloo, A.| Ozer, E.| AlHamaydeh, M.| Girolami, M.	Structural Health Monitoring	21	4	1906-1955	Review
Self-Supervised Approach for Facial Movement Based Optical Flow	Alkaddour, M.| Tariq, U.| Dhall, A.	IEEE Transactions on Affective Computing	-	-	1-15	Article
A predictive validity analysis of water demand forecasting model in the UAE	Ahmed, V.| Saboor, S.| Saad, A.| Saleh, H.| Kasianov, N.| Alnaqbi, T.	Validity and Reliability in Built Environment Research: A Selection of Case Studies	-	-	70-82	Chapter
Deep learning for gas sensing using MOFs coated weakly-coupled microbeams	Ghommem, M.| Puzyrev, V.| Sabouni, R.| Najar, F.	Applied Mathematical Modelling	105	-	711-728	Article