Theme 4-2: Machine Learning Techniques - 2019

Title	Authors	Scopus Source title	Volume	Issue	Pages	Source type	Publication type	Open Access
A Deep Learning Framework for Decoding Motor Imagery Tasks of the Same Hand Using EEG Signals	Alazrai, R.| Abuhijleh, M.| Alwanni, H.| Daoud, M.I.	IEEE Access	7	-	109612-109627	Journal	Article	Gold
Bidirectional Gated Recurrent Units for Human Activity Recognition Using Accelerometer Data	Alsarhan, T.| Alawneh, L.| Al-Zinati, M.| Al-Ayyoub, M.	Proceedings of IEEE Sensors	2019-	-	-	Conference Proceeding	Conference Paper	0
Breast ultrasound image classification using a pre-trained convolutional neural network	Daoud, M.I.| Abdel-Rahman, S.| Alazrai, R.	Proceedings - 15th International Conference on Signal Image Technology and Internet Based Systems, SISITS 2019	-	-	167-171	Conference Proceeding	Conference Paper	0
Content-based Image Retrieval for Breast Ultrasound Images using Convolutional Autoencoders: A Feasibility Study	Daoud, M.I.| Saleh, A.| Hababeh, I.| Alazrai, R.	BioSMART 2019 - Proceedings: 3rd International Conference on Bio-Engineering for Smart Technologies	-	-	-	Conference Proceeding	Conference Paper	0
A wavelet-based approach for estimating the joint angles of the fingers and wrist using electromyography signals	Alazrai, R.| Daoud, M.I.| Khalifeh, A.| Alnuman, N.| Mowafi, Y.| Alabed, D.	Communications in Computer and Information Science	1002	-	31-45	Book Series	Conference Paper	0
Emotion recognition based on decoupling the spatial context from the temporal dynamics of facial expressions	Alazrai, R.| Yousef, K.M.A.| Daoud, M.I.	2019 International Symposium on Networks, Computers and Communications, ISNCC 2019	-	-	-	Conference Proceeding	Conference Paper	0
Using linear regression and back propagation neural networks to predict performance of soiled PV modules	Shapsough, S.| Dhaouadi, R.| Zualkernan, I.	Procedia Computer Science	155	-	463-470	Conference Proceeding	Conference Paper	Gold|Green