

Theme 4-2: Machine Learning Techniques - 2020

Title	Authors	Scopus Source title	Volume	Issue	Pages	Source type	Publication type	Open Access
An End-to-End Deep Learning Framework for Recognizing Human-to-Human Interactions Using Wi-Fi Signals	Alazrai, R. Hababeh, M. Alsaify, B.A. Ali, M.Z. Daoud, M.I.	IEEE Access	8	-	197695-197710	Journal	Article	Gold
Breast tumor classification in ultrasound images using combined deep and handcrafted features	Daoud, M.I. Abdel-Rahman, S. Bdair, T.M. Al-Najar, M.S. Al-Hawari, F.H. Alazrai, R.	Sensors (Switzerland)	20	23	44946	Journal	Article	Gold Green
A Comparison of Unidirectional and Bidirectional LSTM Networks for Human Activity Recognition	Alawneh, L. Mohsen, B. Al-Zinati, M. Shatnawi, A. Al-Ayyoub, M.	2020 IEEE International Conference on Pervasive Computing and Communications Workshops, PerCom Workshops 2020	-	-	-	Conference Proceeding	Conference Paper	0
Comprehensive comparison of cloud-based NGS data analysis and alignment tools	Bani Baker, Q. Hammad, M. Al-Rashdan, W. Jararweh, Y. Al-Smadi, M. Al-Zinati, M.	Informatics in Medicine Unlocked	18	-	-	Journal	Article	Gold
Benchmarking open source deep learning frameworks	Al-Bdour, G. Al-Qurran, R. Al-Ayyoub, M. Shatnawi, A.	International Journal of Electrical and Computer Engineering	10	5	5479-5486	Journal	Article	Gold Green
Machine learning approaches for EV charging behavior: A review	Shahriar, S. Al-Ali, A.R. Osman, A.H. Dhou, S. Nijim, M.	IEEE Access	8	-	168980-168993	Journal	Review	Gold
A minimal neural network model to predict power loss due to soiling in stable environments	Arshad, M.A. Shapsough, S. Zualkernan, I. Dhaouadi, R. Takroui, M.	2020 International Conference on Electronics, Information, and Communication, ICEIC 2020	-	-	-	Conference Proceeding	Conference Paper	
Using siamese networks to detect shading on the edge of solar farms	Shapsough, S. Zualkernan, I. Dhaouadi, R. Sajun, A.R.	2020 7th International Conference on Internet of Things: Systems, Management and Security, IOTSMS 2020	-	-	-	Conference Proceeding	Conference Paper	
Fluid sensing using microcantilevers: From physics-based modeling to deep learning	Ghommem, M. Puzyrev, V. Najar, F.	Applied Mathematical Modelling	88	-	224-237	Journal	Article	