Theme 2-4: Neuroengineering - 2022

Title	Authors	Scopus Source title	Volume	Issue	Pages	Publication type
Improved Cognitive Vigilance Assessment after Artifact Reduction with Wavelet Independent Component Analysis	Farha, N.A.| Al-Shargie, F.| Tariq, U.| Al-Nashash, H.	Sensors	22	8	-	Article
Stress management using fNIRS and binaural beats stimulation	Al-Shargie, F.| Katmah, R.| Tariq, U.| Babiloni, F.| Al-Mughairbi, F.| Al-Nashash, H.	Biomedical Optics Express	13	6	3552-3575	Article
Mental Stress Assessment Using fNIRS and LSTM	Katmah, R.| Al-Shargie, F.| Tariq, U.| Babiloni, F.| Al-Mughairbi, F.| Al-Nashash, H.	Conference Proceedings - IEEE International Conference on Systems, Man and Cybernetics	2022-	-	2287-2292	Conference Paper
Neuroprotective Role of Hypothermia in Acute Spinal Cord Injury	Al-Nashash, H.| All, A.H.	Biomedicines	10	1	-	Article
On the Statistical Normality Rate of EEG Ambient Signal of Healthy Subjects and Its Dependence on Data-Observation Duration	Hsieh, P.-L.| Lin, T.-C.| Al-Nashash, H.| Mir, H.S.| Muaz, M.| Wong, K.T.	IEEE Sensors Journal	22	22	21769-21779	Article
Discriminating Fake and Real Smiles Using Electroencephalogram Signals with Convolutional Neural Networks	Moussa, M.M.| Tariq, U.| Al-Shargie, F.| Al-Nashash, H.	IEEE Access	10	-	81020-81030	Article
Brain Region-Based Vigilance Assessment Using Electroencephalography and Eye Tracking Data Fusion	Farha, N.A.| Al-Shargie, F.| Tariq, U.| Al-Nashash, H.	IEEE Access	10	-	112199-112210	Article