

Theme 2-4: Neuroengineering - 2021

Title	Authors	Scopus Source title	Volume	Issue	Pages	Source type	Publication type	Open Access
Fabrication of titanium dioxide nanomaterial for implantable highly flexible composite bioelectrode for biosensing applications	Mohamed, O. Al-Othman, A. Al-Nashash, H. Tawalbeh, M. Almomani, F. Rezakazemi, M.	Chemosphere	273	-	-	Journal	Article	Hybrid gold
A review on mental stress assessment methods using eeg signals	Katmah, R. Al-Shargie, F. Tariq, U. Babiloni, F. Al-Mughairbi, F. Al-Nashash, H.	Sensors	21	15	-	Journal	Review	Gold Green
Cognitive Vigilance Enhancement Using Audio Stimulation of Pure Tone at 250 Hz	Al-Shargie, F. Tariq, U. Babiloni, F. Al-Nashash, H.	IEEE Access	9	-	22955-22970	Journal	Article	Gold
Brain Source Localization Using Stochastic Gradient Descent	Al-Momani, S. Mir, H. Al-Nashash, H. Al-Kaylani, M.	IEEE Sensors Journal	21	6	8375-8383	Journal	Article	
Asymmetry of Regional Phase Synchrony Cortical Networks under Cognitive Alertness and Vigilance Decrement States	Hassanin, O. Al-Shargie, F. Tariq, U. Al-Nashash, H.	IEEE Transactions on Neural Systems and Rehabilitation Engineering	29	-	2378-2387	Journal	Article	Hybrid gold
Comparative analysis of functional assessment for contusion and transection models of spinal cord injury	All, A.H. Al-Nashash, H.	Spinal Cord	59	11	1206-1209	Journal	Article	
Connectivity Analysis under Mental Stress using fNIRS	Katmah, R. Al-Shargie, F. Tariq, U. Babiloni, F. Al-Mughairbi, F. Al-Nashash, H.	BioSMART 2021 - Proceedings: 4th International Conference on Bio-Engineering for Smart Technologies	-	-	-	Conference Proceeding	Conference Paper	
Effect of thoracic spinal cord injury on forelimb somatosensory evoked potential	All, A.H. Luo, S. Liu, X. Al-Nashash, H.	Brain Research Bulletin	173	-	22-27	Journal	Article	
Stress Assessment and Mitigation using fNIRS and Binaural Beat Stimulation	Al-Shargie, F. Katmah, R. Tariq, U. Babiloni, F. Al-Mughairbi, F. Al-Nashash, H.	Conference Proceedings - IEEE International Conference on Systems, Man and Cybernetics	-	-	2678-2683	Conference Proceeding	Conference Paper	
Artifact Removal of Eye Tracking Data for the Assessment of Cognitive Vigilance Levels	Farha, N.A. Al-Shargie, F. Tariq, U. Al-Nashash, H.	International Conference on Advances in Biomedical Engineering, ICABME	2021-	-	175-179	Conference Proceeding	Conference Paper	