

## Theme 2-1: Biosensors, Implantable Devices, and Bioprocesses - 2020

Title	Authors	Scopus Source title	Volume	Issue	Pages	Source type	Publication type	Open Access
Development and Characterization of Novel Composite and Flexible Electrode Based on Titanium Dioxide	Alatoom, A.   Al-Othman, A.   Al-Nashash, H.   Al-Sayah, M.	IEEE Transactions on Components, Packaging and Manufacturing Technology	10	7	1079-1087	Journal	Article	Green
Bio-electrodes Based on Poly(methyl methacrylate) (PMMA) for Neural Sensing	Al-Othman, A.   Al-Nashash, H.   Tawalbeh, M.   Elhariri, Y.   Alami, A.H.   Salameh, T.	Proceedings of the IEEE Conference on Nanotechnology	2020-	-	253-256	Conference Proceeding	Conference Paper	
Implantable Electrodes Based on Poly-aniline (PANI) and Silicone for Neural Sensing/Stimulations	Almufleh, N.L.   Al-Othman, A.   Al-Nashash, H.   Al-Sayah, M.H.	Middle East Conference on Biomedical Engineering, MECBME	2020-	-	-	Conference Proceeding	Conference Paper	
Development and Characterization of Novel Composite and Flexible Electrode Based on Titanium Dioxide	Alatoom, A.   Al-Othman, A.   Al-Nashash, H.   Al-Sayah, M.	IEEE Transactions on Components, Packaging and Manufacturing Technology	10	7	1079-1087	Journal	Article	Green
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Computational Method for Muscle Forces Estimation Based on Hill Rheological Model	Jemaa, O.   Bennour, S.   Daney, D.   Romdhane, L.	Mechanisms and Machine Science	84	-	46-53	Book Series	Conference Paper	
Experimental Analysis of Electromyography (EMG) Signal for Evaluation of Isometric Muscle Force	Jemaa, O.   Bennour, S.   Daney, D.   Romdhane, L.	Lecture Notes in Mechanical Engineering	-	-	183-192	Book Series	Conference Paper	