

### Theme 2-3: Medical Imaging and Bio-Informatics - 2019

Title	Authors	Scopus Source title	Volume	Issue	Pages	Source type	Publication type	Open Access
Automatic superpixel-based segmentation method for breast ultrasound images	Daoud, M.I.   Atallah, A.A.   Awwad, F.   Al-Najjar, M.   Alazrai, R.	Expert Systems with Applications	121	-	78-96	Journal	Article	0
MRI Reconstruction from Sparse K-Space Data Using Low Dimensional Manifold Model	Abdullah, S.   Arif, O.   Bilal Arif, M.   Mahmood, T.	IEEE Access	7	-	88072-88081	Journal	Article	Gold
Reconstruction of a high-quality volumetric image and a respiratory motion model from patient CBCT projections	Guo, M.   Chee, G.   O'Connell, D.   Dhou, S.   Fu, J.   Singhrao, K.   Ionascu, D.   Ruan, D.   Lee, P.   Low, D.A.   Zhao, J.   Lewis, J.H.	Medical Physics	46	8	3627-3639	Journal	Article	0
Accelerated Dynamic MRI Using Kernel-Based Low Rank Constraint	Arif, O.   Afzal, H.   Abbas, H.   Amjad, M.F.   Wan, J.   Nawaz, R.	Journal of Medical Systems	43	8	-	Journal	Article	Green
Enhanced Needle Detection in Ultrasound Images using Acoustic Excitation and Ultrasound Image Analyses	Daoud, M.I.   Shtaiyat, A.   Alazrai, R.	BMEICON 2018 - 11th Biomedical Engineering International Conference	-	-	-	Conference Proceeding	Conference Paper	0
Quantitative Evaluation of 3D Reconstruction Using Filtered Back-Projection on XCAT Phantom	Farhat, J.   Alatoom, A.   Dhou, S.	2019 3rd International Conference on Communications, Signal Processing, and their Applications, ICCSPA 2019	-	-	-	Conference Proceeding	Conference Paper	0
Spinal functional Magnetic Resonance Imaging (fMRI) on Human Studies: A Literature Review	Al-Momani, S.   Dhou, S.	2019 Advances in Science and Engineering Technology International Conferences, ASET 2019	-	-	-	Conference Proceeding	Conference Paper	0
Review of Image-Guided Percutaneous Coronary Interventions	Alatoom, A.   Farhat, J.   Dhou, S.	2019 Advances in Science and Engineering Technology International Conferences, ASET 2019	-	-	-	Conference Proceeding	Conference Paper	0
Three-dimensional CT image reconstruction techniques: Implementation and comparison	Sabah, S.   Dhou, S.	2019 3rd International Conference on Communications, Signal Processing, and their Applications, ICCSPA 2019	-	-	-	Conference Proceeding	Conference Paper	0
Quantitative Evaluation of Four-Dimensional versus Three-Dimensional Reconstruction on XCAT Phantom under Different Sampling Rates	Al-Momani, S.   Elabed, S.   Dhou, S.	2019 3rd International Conference on Communications, Signal Processing, and their Applications, ICCSPA 2019	-	-	-	Conference Proceeding	Conference Paper	0
Investigating the Influence of the Kernel Size on the Performance of Three-Dimensional Ultrasound Volume Reconstruction Methods	Daoud, M.I.   Abu-Sabbah, N.   Alshalalfah, A.-L.   Al-Najjar, M.   Alazrai, R.	BMEICON 2018 - 11th Biomedical Engineering International Conference	-	-	-	Conference Proceeding	Conference Paper	0
Compressed sensing mri reconstruction using low dimensional manifold model	Abdullah, S.   Arif, O.   Mehmud, T.   Arif, M.B.	2019 IEEE EMBS International Conference on Biomedical and Health Informatics, BHI 2019 - Proceedings	-	-	-	Conference Proceeding	Conference Paper	0
Preliminary numerical analysis of monitoring bone density using microwave tomography	Alkhodari, M.   Zakaria, A.   Qaddoumi, N.	Asia-Pacific Microwave Conference Proceedings, APMC	2018-	-	563-565	Conference Proceeding	Conference Paper	
Guidelines towards a wearable microwave tomography system	Alkhodari, M.   Zakaria, A.   Qaddoumi, N.	Asia-Pacific Microwave Conference Proceedings, APMC	2019-	-	1423-1425	Conference Proceeding	Conference Paper	