

Publications Template

Title	Authors	Journal/ Conference	Date/Rank
An automatic improved facial expression recognition for masked faces.	ELsayed, Y. ELSayed, A. Abdou, M.A.	Neural Computing & Applications, Springer Nature, Vol. 35 (2023). https://doi.org/10.1007/s00521-023-08498-w	2023 Q1- Journal H-Index = 80 Impact Factor = 5.573
Literature Review: Efficient Deep Neural Networks Techniques for Medical Image Analysis	M.A. Abdou	Neural Computing & Applications, Springer Nature, Vol. 34, pp.5791-5812, 2022. https://doi.org/10.1007/S00521-022-06960-9	2022 Q1- Journal H-Index = 80 Impact Factor = 5.573
Residual Information Flow for Neural Machine Translation	S.A. Mohamed A.A. Elsayed M.A. Abdou	IEEE Access, Volume (10), pp.118313-118320, 2022. https://doi.org/10.1109/ACCESS.2022.3220691	2022 Q1- Journal H-Index = 158 Impact Factor = 3.6
Students engagement level detection in online e-learning using hybrid EfficientNetB7 together with TCN, LSTM, and Bi-LSTM	T.Selim I. ElKabani M.A. Abdou	IEEE Access, Volume (10), pp.99573-99583, 2022. https://doi.org/10.1109/ACCESS.2022.3206779	2022 Q1- Journal H-Index = 158 Impact Factor = 3.6
Neural machine translation: past, present, and future.	S.A. Mohamed A.A. Elsayed Y.F. Hassan M.A. Abdou	Neural Computing & Applications, Springer Nature, Vol. 33(23), pp. 15919–15931, 2021. https://doi.org/10.1007/s00521-021-06268-0	2021 Q1- Journal H-Index = 80 Impact Factor = 5.573
Evolutionary Computation Technique Enhancing the Performance of Cognitive Radio Networks with Energy Harvesting	A.H.Malek M.Abo ElHassan M.A. Abdou	Ad Hoc Networks 107 (2020) 102254 Available online June 2020 https://doi.org/10.1016/j.adhoc.2020.102254	2020 Q1- Journal H-Index = 79 Impact Factor = 3.49
Liver Tumor Localization Using an Integrated Hybrid Fuzzy Seed Point Region Growing Algorithm	S. ElMorsy M. Abdou Y. Hassan A. Said	Applied Mathematics & Information Sciences, AMIS, Vol. 13 (S1), pp. 371-380. https://dx.doi.org/10.18576/amis/13S140	2019 H Index = 31
Quantum Inspired Rough Fuzzy C-Means Clustering for Liver Tumor Segmentation	S. ElMorsy Y. Hassan M. Abdou A. Said	Innovation, computing, Information, and Control ICIC-Express Letters, Vol. 13 (8), August 2019, http://doi.org/10.24507/icicel.13.08.689	2019 H-Index = 19
Power Allocation Scheme and Performance Analysis for Multiuser Underlay Full-Duplex Cognitive Radio Networks with Energy Harvesting	A.H.Malek M.AboElHasan M.A. Abdou	IEEE Access, Vol. 6, 2018. https://dx.doi.org/10.1109/ACCESS.2018.2875417	2018 Q1- Journal H-Index = 86 Impact Factor = 3.7

An Enhanced Training- Based Arabic Sign Language Virtual Interpreter Using Parallel Recurrent Neural Networks	M.A. Abdou	Journal of Computer Science, 14 (2), pp. 228-237, February 2018. ISSN: 15493636 http://doi.org/10.3844/jcssp.2018.228.237	Feb 2018 H-Index = 21
Power Allocation for Full Duplex MISO Underlay Cognitive Radio Networks with Energy Harvesting	A.H.Malek M.Abo ElHassan M.A. Abdou	IEEE- ICC 2018 https://doi.org/10.1109/ICC.2018.8422856	2018 H-Index = 52
A Fast Interest Points Feature Descriptors Algorithm for Mobile Image Retrieval Applications	H.S. Ibrahim M.A. Abdou R.AbdelRahman	International Journal of Computer Applications ISSN: 0975 – 8887 Volume 180 (9)	2018 Impact Factor 0.752
An advanced Automatic Fuzzy Rule Based Algorithm for 3D Vessel Extraction	M.A. Abdou Ashraf Sayed Eman Ali	International Journal of Computational Intelligence Systems, Volume 11 (2018), pp.79-85. ISSN: 1875-6891 https://dx.doi.org/10.2991/ijcis.11.1.7	2018 Q1- Journal H-Index = 38 Impact Factor = 1.14
A Hybrid Fuzzy Multi-Hop Unequal Clustering Algorithm for Dense Wireless Sensor Networks	S. Girguis, M. A. Abdou , A. Elnaggar	International Journal of Computational Intelligence Systems, Volume 10(2017) ISSN: 1875-6891 https://dx.doi.org/10.2991/ijcis.2017.10.1.63	2017 Q1- Journal H-Index = 38 Impact Factor = 1.14
Dual Tree Complex Wavelet with Adaptive Decision Based Median Filter for Medical Image Restoration	M.A.Abdou S.Darwish	International Journal of Computer Science and Information Security, Volume 15(4), April 2017 ISSN: 1947-5500	2017 Peer Reviewed
Extended Study towards Performance Improvement of Cloud-RAN	Maha Fathy, B. Mokhtar, M.A.Abdou , M. R. M. Rizk	IWCMC 2017, The 13th International Wireless Communications and Mobile Computing Conference. https://doi.org/10.1109/IWCMC.2017.7986432	June 2017 H-Index =24
Automatic Vessel Extraction Using Particle Swarming Optimization for 3D medical Images	Eman Ali M. A. Abdou Ashraf Sayed	Current Medical Imaging Reviews, Volume 13, 2017, http://dx.doi.org/10.2174/1573405613666170102143248	2017 H-Index = 21 Impact Factor 0.933
Assessing the Use of IP Network Management Protocols in Smart Grids	M. Saleh M. A. Abdou M.AboElHassan	ACS/IEEE- AICCSA2016 https://doi.org/10.1109/AICCSA.2016.7945723	Nov. 2016 H-Index =11
A Cascaded Speech to Arabic Sign Language Machine Translator Using Adaptation	S.A.Mohamed M.A.Abdou Y.F.Hassan	International Journal of Computer Applications ISSN: 0975 – 8887 Volume 133, No.5 http://doi.org/10.5120/ijca2016907799	January 2016 Peer Reviewed
A Robust Time Efficient Watermarking Technique for Stereo Images	M. A.Abdou A. A.Saleh	Journal of Computational Engineering, ISSN: 2356-7260, Vol.2015, http://dx.doi.org/10.1155/2015/964385	July 2015 Peer Reviewed

A Region Growing Liver Segmentation Method with Advanced Morphological Enhancement	S. A.Elmosry M. A. Abdou Y. F. Hassan A. Elsayed	32 nd National Radio Science Conference (NRSC 2015), March 24-26, 2015 https://doi.org/10.1109/NRSC.2015.7117857	March 2015 H-Index =14
An Efficient Real Time Hybrid Face Recognition Algorithm in Java Environment	M. A. Abdou M. H.Fathy	European Journal of Engineering and Technology (EJET), ISSN: 2056-5860, Volume 3, No.2, pp. 44-53, 2015.	February 2015 Peer Reviewed
An Optimum Distributed Energy Balanced Algorithm for Wireless Sensor Networks	M.R.M.Rizk M.A.Abdou S..AbdElDayem	Alexandria Engineering Journal, Vol 52, Issue 1, pp 13-18, 2013. https://doi.org/10.1016/j.aej.2012.07.006	March 2013 Q1- Journal H-Index = 22 Impact Factor 0.817
Evolutionary Computation Methods in Image Watermarking	A. A.Saleh M. A.Abdou	International Journal of Computer Applications ISSN: 0975 – 8887 Volume 63, No.10, 2013. http://doi.org/10.5120/10499-5263	February 2013 Impact Factor 0.752
Public Watermarking Scheme for 3D Laser Scanned Archeological Models	O.Hosam B.A.Bayumy M.A.Abdou	<i>The 17th IEEE Symposium on Computers and Communication (ISCC'12), 2012.</i>	April 2012
A Cascaded Fuzzy LOPA Risk Assessment Model Applied in Natural Gas Industry	M.Khalil M.A.Abdou M. Mansour H.Farag M.Ossman	Journal of Loss Prevention in the Process Industries, Volume 25, Issue 6, November 2012, Pages 877-882 https://doi.org/10.1016/j.jlp.2012.04.010	2012 Q1- Journal H-Index =72 Impact Factor = 2.1
An Efficient Thresholding Neural Network Technique for High Noise Densities Environments	M.B.Tayel M.A.Abdou A.Elbagoury	International Journal of Image Processing (IJIP), Volume (5), Issue (4), 2011. ISSN:1985-2304	September 2011 H-Index =5
A Fuzzy-Wavelet Based Approach to a Novel Image Denoising Engine	M.A.Abdou	IASTED, The International Journal of Computers and Applications (Canada), Vol. 33, No. 4, pp.335-340, 2011. ISSN: 1206-212X	September 2011
Particle Swarm Optimization for Nano-Particles Extraction from Supporting Materials	M.A.Abdou	International Journal of Image Processing IJIP, Vol. 5, Issue (3), 2011. ISSN:1985-2304	July 2011 H-Index =5
Efficient Registration of Range Images Using Wavelet Features	B.A.Youssef W.M. Sheta M.A.Abdou	International Journal of Computers and Their Applications (IJCA), Vol. 18, No. 2, June 2011. ISSN: 1076-5204	June 2011 H-Index =4
Nano-particle Characterization Using A Fast Hybrid Clustering Technique for TEM Images	M.A. Abdou B.A.Youssef W.M. Sheta	International Journal of Computer Science and Information Security (IJSIS), Vol. 8, No. 7 ISSN: 1947-5500	December 2010 IF = 0.591
Fuzzy- based Simulation Model for Decolorization of Industrial Waste Water	M.A.Abdou A.Konsowa M.Ossman	Journal of Applied Sciences Research, 4 (2), pp. 178- 187, 2008. ISSN: 1819-544X	February 2008 H-Index =16

An Introduced Blocked-Wavelet Algorithm for Signal and Time Improvements of Images with Multiple Regions	M.A.Abdou	10th IASTED International Conference on Computer Graphics and Imaging, pp.34- 39, Innsbruck, Austria, 2008. ISBN:978-0-88986-719-2	February 2008 H-Index =6
An Automatic Bi-channel Compression Technique for Medical Images	M.A.Abdou M.B.Tayel	International Journal of Robotics and Automation, Vol. 23 (1), 2008. ISSN: 0826-8185	2008 H-Index =22
A Neuro- Difference Fuzzy Technique for Automatic Segmentation in Medical Imaging	M.Tayel M.A.Abdou	23 rd National Radio Science Conference (NRSC 2006), Egypt	March 2006 H-Index =10
A Hybrid Segmentation and Compression Channel for Medical Images with Region of Interest	M.Tayel M.A.Abdou	WSEAS Transactions on Signal Processing, Issue 2, Vol. 2, pp. 245- 25, 2006.	2006 H-Index =12
Fast and Reduced-Bit Zerotree Coding Algorithm for Progressive Transmission of Medical Images	M.Tayel M.A.Abdou	IASTED International Conference 2005, Novosibirsk, Russia	July 2005
Fuzzy Genetic Control and Optimization of Decentralized Robot Manipulators	M.Tayel M.Abdou	10 th ICCTA International Conference, Egypt, 2000.	August 2000