Mohammed S Sayed

List of Publications by Year
in descending order

33 papers	**219** citations	1478505 **6** h-index	1281871 **11** g-index
33 all docs	**33** docs citations	**33** times ranked	**187** citing authors

#	Article	IF	Citations
1	Breast cancer masses classification using deep convolutional neural networks and transfer learning. Multimedia Tools and Applications, 2020, 79, 30735-30768.	3.9	50
2	Automatic Arrival Time Detection for Earthquakes Based on Stacked Denoising Autoencoder. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1687-1691.	3.1	23
3	Detection of breast cancer mass using MSER detector and features matching. Multimedia Tools and Applications, 2019, 78, 20239-20262.	3.9	20
4	Real-time defects detection system for orange citrus fruits using multi-spectral imaging. , 2016, , .		16
5	Fabric defect detection algorithm using morphological processing and DCT. , 2013, , .		13
6	An Efficient Intensity Correction Algorithm for High Definition Video Surveillance Applications. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1622-1630.	8.3	12
7	Complex Pattern Jacquard Fabrics Defect Detection Using Convolutional Neural Networks and Multispectral Imaging. IEEE Access, 2022, 10, 10653-10660.	4.2	12
8	Efficient Autoencoder-Based Human Body Communication Transceiver for WBAN. IEEE Access, 2019, 7, 117196-117205.	4.2	9
9	Patterned fabric defect detection system using near infrared imaging. , 2017, , .		7
10	Low complexity contrast enhancement algorithm for nighttime visual surveillance. , 2010, , .		6
11	Band-limited histogram equalization for mammograms contrast enhancement. , 2012, , .		6
12	Segmentation of breast cancer lesion in digitized mammogram images. , 2014, , .		6
13	Robust low power NB PHY baseband transceiver for IEEE 802.15.6 WBAN. , 2015, , .		4
14	An efficient algorithm for Arabic optical font recognition using scale-invariant detector. International Journal on Document Analysis and Recognition, 2015, 18, 263-270.	3.4	4
15	Fast fractional-pixel motion estimation using Lagrangian-based error surface interpolation. , 2017, , .		4
16	Intra Mode Decision Acceleration for HEVC Screen Content Coding. , 2019, , .		4
17	Fast Algorithm with Palette Mode Skipping and Splitting Early Termination for HEVC Screen Content Coding. , 2019, , .		4
18	Decision Tree Models and Early Splitting Termination in Screen Content Extension of High Efficiency Video Coding. IEEE Access, 2020, 8, 143437-143452.	4.2	3

#	Article	IF	Citations
19	Low power HBC PHY baseband transceiver for IEEE 802.15.6 WBAN. , 2017, , .		2
20	A low complexity UWB PHY baseband transceiver for IEEE 802.15.6 WBAN. , 2017, , .		2
21	Efficient Low-Power Digital Baseband Transceiver for IEEE 802.15.6 Narrowband Physical Layer. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2018, 26, 2372-2385.	3.1	2
22	Mode skipping for screen content coding based on Neural Network Classifier. Journal of Real-Time Image Processing, 2021, 18, 2453-2468.	3.5	2
23	Using the social networks on the internet to establish Mechatronics Network. , 2012, , .		1
24	Pectoral muscle identification in mammograms for Computer Aided Diagnosis of breast cancer. , 2012, , .		1
25	Selective energy-based histogram equalization for mammograms. , 2017, , .		1
26	A hardware friendly fractional-pixel motion estimation algorithm based on adaptive weighted model. , 2017, , .		1
27	Malignancy Classification of Lung Nodule Based on Accumulated Multi Planar Views and Canonical Correlation Analysis. , 2018, , .		1
28	Toward Faster HEVC for Video Conference Applications. , 2019, , .		1
29	Pulmonary Nodule and Malignancy Classification Employing Triplanar Views and Convolutional Neural Network. , 2019, , .		1
30	Efficient coding unit classifier for HEVC screen content coding based on machine learning. Journal of Real-Time Image Processing, 2022, 19, 375.	3.5	1
31	Improved moving object detection algorithm based on adaptive background subtraction. , 2013, , .		0
32	A Low Power Packet Detection Algorithm for FM-UWB PHY for IEEE 802.15.6 WBAN. , 2018, , .		0
33	Fast Screen Content Coding in HEVC Using Machine Learning. IEEE Access, 2021, 9, 154659-154666.	4.2	0