Mohammed S Sayed

List of Publications by Year
in descending order

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33	219	1478505 6	1281871 11
papers	citations	h-index	g-index

33	33	33	187
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Complex Pattern Jacquard Fabrics Defect Detection Using Convolutional Neural Networks and Multispectral Imaging. IEEE Access, 2022, 10, 10653-10660.	4.2	12
2	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
3	Mode skipping for screen content coding based on Neural Network Classifier. Journal of Real-Time Image Processing, 2021, 18, 2453-2468.	3.5	2
4	Fast Screen Content Coding in HEVC Using Machine Learning. IEEE Access, 2021, 9, 154659-154666.	4.2	0
5	Breast cancer masses classification using deep convolutional neural networks and transfer learning. Multimedia Tools and Applications, 2020, 79, 30735-30768.	3.9	50
6	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
7	Efficient Autoencoder-Based Human Body Communication Transceiver for WBAN. IEEE Access, 2019, 7, 117196-117205.	4.2	9
8	Detection of breast cancer mass using MSER detector and features matching. Multimedia Tools and Applications, 2019, 78, 20239-20262.	3.9	20
9	Intra Mode Decision Acceleration for HEVC Screen Content Coding. , 2019, , .		4
10	Toward Faster HEVC for Video Conference Applications. , 2019, , .		1
11	Fast Algorithm with Palette Mode Skipping and Splitting Early Termination for HEVC Screen Content Coding. , 2019, , .		4
12	Pulmonary Nodule and Malignancy Classification Employing Triplanar Views and Convolutional Neural Network. , 2019, , .		1
13	A Low Power Packet Detection Algorithm for FM-UWB PHY for IEEE 802.15.6 WBAN. , 2018, , .		0
14	Malignancy Classification of Lung Nodule Based on Accumulated Multi Planar Views and Canonical Correlation Analysis. , 2018, , .		1
15	Automatic Arrival Time Detection for Earthquakes Based on Stacked Denoising Autoencoder. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1687-1691.	3.1	23
16	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
17	Patterned fabric defect detection system using near infrared imaging. , 2017, , .		7
18	Fast fractional-pixel motion estimation using Lagrangian-based error surface interpolation. , 2017, , .		4

#	Article	IF	Citations
19	Selective energy-based histogram equalization for mammograms. , 2017, , .		1
20	A hardware friendly fractional-pixel motion estimation algorithm based on adaptive weighted model. , 2017, , .		1
21	Low power HBC PHY baseband transceiver for IEEE 802.15.6 WBAN. , 2017, , .		2
22	A low complexity UWB PHY baseband transceiver for IEEE 802.15.6 WBAN. , 2017, , .		2
23	Real-time defects detection system for orange citrus fruits using multi-spectral imaging. , 2016, , .		16
24	Robust low power NB PHY baseband transceiver for IEEE 802.15.6 WBAN. , 2015, , .		4
25	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
26	Segmentation of breast cancer lesion in digitized mammogram images. , 2014, , .		6
27	Improved moving object detection algorithm based on adaptive background subtraction. , 2013, , .		0
28	Fabric defect detection algorithm using morphological processing and DCT. , 2013, , .		13
29	Using the social networks on the internet to establish Mechatronics Network. , 2012, , .		1
30	Pectoral muscle identification in mammograms for Computer Aided Diagnosis of breast cancer. , 2012, , .		1
31	Band-limited histogram equalization for mammograms contrast enhancement. , 2012, , .		6
32	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
33	Low complexity contrast enhancement algorithm for nighttime visual surveillance. , 2010, , .		6