

# Hussain Al-Ahmad

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

284  
citations

1683934

5  
h-index

1372474

10  
g-index

56  
all docs

56  
docs citations

56  
times ranked

219  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Design of a Resistively Loaded Bowtie Antenna for Applications in Breast Cancer Detection Systems. IEEE Transactions on Antennas and Propagation, 2012, 60, 2526-2530.	3.1	19
2	Bayesian classification and artificial neural network methods for lung cancer early diagnosis. , 2012, , .		19
3	Computer Aided Diagnosis System for Early Lung Cancer Detection. Algorithms, 2015, 8, 1088-1110.	1.2	17
4	Extraction and Segmentation of Sputum Cells for Lung Cancer Early Diagnosis. Algorithms, 2013, 6, 512-531.	1.2	16
5	Multi watermarking algorithm based on DCT and hash functions for color satellite images. , 2013, , .		15
6	A novel DeepNet model for the efficient detection of COVID-19 for symptomatic patients. Biomedical Signal Processing and Control, 2021, 68, 102812.	3.5	12
7	Automatic polyp detection: A comparative study. , 2015, 2015, 2669-72.		11
8	Medical images protection and authentication using hybrid DWT-DCT and SHA256-MD5 hash functions. , 2017, , .		11
9	A New Watermarking Algorithm for Color Satellite Images Using Color Logos and Hash Functions. , 2013, , .		9
10	A new robust and fragile watermarking scheme for images captured by mobile phone cameras. , 2013, , .		8
11	New Methodology for Predicting Vertical Atmospheric Profile and Propagation Parameters in Subtropical Arabian Gulf Region. IEEE Transactions on Antennas and Propagation, 2015, 63, 4057-4068.	3.1	8
12	Computer aided diagnosis system for early lung cancer detection. , 2015, , .		8
13	A reversible watermarking scheme for ownership protection and authentication of medical Images. , 2017, , .		8
14	Bandwidth techniques for digital recursive filters used in step scan radars. International Journal of Electronics, 1992, 73, 539-547.	0.9	7
15	A new multi watermarking algorithm based on DWT and hash functions for color satellite images. , 2013, , .		6
16	Rule based classification of sputum images for early lung cancer detection. , 2015, , .		6
17	A new multi watermarking algorithm for medical images using DWT and hash functions. , 2015, , .		6
18	Random Interval Attendance Management System (RIAMS): A Novel Multimodal Approach for Post-COVID Virtual Learning. IEEE Access, 2021, 9, 91001-91016.	2.6	6

#	ARTICLE	IF	CITATIONS
19	Airbus ship detection from satellite imagery using frequency domain learning. , 2021, , .		6
20	Super resolution of DS-2 satellite imagery using deep convolutional neural network. , 2019, , .		6
21	Super-resolution of satellite imagery using a wavelet multiscale-based deep convolutional neural network model. , 2020, , .		6
22	Detection and segmentation of sputum cell for early lung cancer detection. , 2012, , .		5
23	Multiscale Roughness Approach for Assessing Posterior Capsule Opacification. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1923-1931.	3.9	5
24	Superresolution algorithm for satellite still images. , 2015, , .		5
25	A new multiple watermarking scheme for copyright protection and image authentication. , 2016, , .		5
26	Autonomous Object Detection in Satellite Images Using WfrCNN. , 2020, , .		5
27	Extraction of sputum cells using thresholding techniques for lung cancer detection. , 2012, , .		4
28	A new watermarking algorithm for scanned grey PDF files using DWT and hash function. , 2014, , .		4
29	A new watermarking algorithm for scanned colored PDF files using DWT and hash function. , 2015, , .		4
30	Geospatial Multicriteria Analysis for Earthquake Risk Assessment: Case Study of Fujairah City in the UAE. Journal of Sensors, 2021, 2021, 1-25.	0.6	4
31	1-D Walsh coded watermarking technique for colour images using the Y channel. , 2011, , .		3
32	Design and analysis of 2D sub-optimum filters for sharpening interpolated satellite images. , 2014, , .		3
33	Enhancing automatic polyp detection accuracy using fusion techniques. , 2016, , .		3
34	Two dimensional filters for enhancing the resolution of interpolated CT scan images. , 2016, , .		3
35	Evaluation of MAC Protocols for Vital Sign Monitoring within Smart Home Environment. Arabian Journal for Science and Engineering, 2020, 45, 11007-11017.	1.7	3
36	Frequency-selective autoregressive estimation in noise. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
37	Using remote sensing satellites for water quality monitoring in the UAE. , 2011, , .		2
38	Cell extraction from sputum images for early lung cancer detection. , 2012, , .		2
39	Early detection of lung cancer based on sputum color image analysis. , 2013, , .		2
40	Integrating Deep Learning with Active Contour Models in Remote Sensing Image Segmentation. , 2020, , .		2
41	Using medium and high resolution satellite images in monitoring water quality surrounding the discharges of desalination plants in the UAE. , 2010, , .		1
42	Segmentation of sputum color image for lung cancer diagnosis based on mean shift algorithm. , 2013, , .		1
43	Comparison of Hopfield Neural Network and mean shift algorithm in segmenting sputum color images for lung Cancer Diagnosis. , 2013, , .		1
44	2D sub-optimum filters for sharpening interpolated satellite images by optimizing the structural similarity index measure. , 2014, , .		1
45	A Novel Multiple Watermarking Algorithm for Patient Identification and Integrity Control. , 2015, , .		1
46	Logo embedding in grayscale images using turbo product codes. , 2015, , .		1
47	Colorization of gray scale natural still images by using ANN to predict the low frequency DCT components of the RGB channels. , 2015, , .		1
48	A new reversible watermarking technique using turbo product code and adaptive prediction algorithm for satellite images. , 2017, , .		1
49	Exploring the potential of MODIS visible and thermal channels in monitoring and assessing the impact of desalination plant discharges in the Arabian Gulf. , 2009, , .		0
50	Combing MSG thermal channels with meteorological data for fog forecasting and mapping over desert areas in the UAE. , 2010, , .		0
51	Characteristics and properties of United Arab Emirates fog events using meteosat second generation thermal and visible channels. , 2011, , .		0
52	Automated image assessment of posterior capsule opacification using H&#x00F6;lder exponents. , 2013, , .		0
53	Two dimensional filters for improving the resolution of up-sampled video files. , 2016, , .		0
54	A New Algorithm for Watermarking Colour Images Using the Green Channel. Communications in Computer and Information Science, 2012, , 302-311.	0.4	0

#	ARTICLE	IF	CITATIONS
55	Design and implementation of highly efficient digital watermarking prototype for securing copyright and authentication of satellite imagery. , 2018, , .		0
56	Automatic detection of potential buried archaeological sites in Saruq Al-Hadid, United Arab Emirates. , 2020, , .		0