

Somaya Al-maadeed

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

141 papers	1,771 citations	21 h-index	35 g-index
159 ext. papers	2,773 ext. citations	3.6 avg, IF	5.73 L-index

#	Paper	IF	Citations
141	Pose-invariant face recognition with multitask cascade networks. <i>Neural Computing and Applications</i> , 2022 , 34, 6039	4.8	1
140	A review of deep learning-based detection methods for COVID-19.. <i>Computers in Biology and Medicine</i> , 2022 , 143, 105233	7	14
139	Deep Learning for Reliable Classification of COVID-19, MERS, and SARS from Chest X-ray Images.. <i>Cognitive Computation</i> , 2022 , 1-21	4.4	5
138	FSC-Set: Counting, Localization of Football Supporters Crowd in the Stadiums. <i>IEEE Access</i> , 2022 , 10, 10445-10459	3.5	0
137	An Encoder-Decoder-Based Method for Segmentation of COVID-19 Lung Infection in CT Images. <i>SN Computer Science</i> , 2022 , 3, 13	2	11
136	A New Forensic Video Database for Source Smartphone Identification: Description and Analysis. <i>IEEE Access</i> , 2022 , 10, 20080-20091	3.5	0
135	ViDMASK dataset for face mask detection with social distance measurement.. <i>Displays</i> , 2022 , 102235	3.4	2
134	Digital forensic analysis for source video identification: A survey. <i>Forensic Science International: Digital Investigation</i> , 2022 , 41, 301390	1	1
133	. <i>IEEE Access</i> , 2021 , 9, 161445-161468	3.5	0
132	BEMD-3DCNN-based method for COVID-19 detection.. <i>Computers in Biology and Medicine</i> , 2021 , 142, 105188	7	4
131	Encoder-Decoder Architecture for Ultrasound IMC Segmentation and cIMT Measurement. <i>Sensors</i> , 2021 , 21,	3.8	2
130	COVID-19 infection localization and severity grading from chest X-ray images. <i>Computers in Biology and Medicine</i> , 2021 , 139, 105002	7	9
129	Learning-free handwritten word spotting method for historical handwritten documents. <i>IET Image Processing</i> , 2021 , 15, 2332	1.7	
128	An Early Warning Tool for Predicting Mortality Risk of COVID-19 Patients Using Machine Learning. <i>Cognitive Computation</i> , 2021 , 1-16	4.4	26
127	Improving text-to-image generation with object layout guidance. <i>Multimedia Tools and Applications</i> , 2021 , 80, 27423-27443	2.5	1
126	Exploring the effect of image enhancement techniques on COVID-19 detection using chest X-ray images. <i>Computers in Biology and Medicine</i> , 2021 , 132, 104319	7	127
125	Detection and Severity Classification of COVID-19 in CT Images Using Deep Learning. <i>Diagnostics</i> , 2021 , 11,	3.8	19

124	A review of video surveillance systems. <i>Journal of Visual Communication and Image Representation</i> , 2021 , 77, 103116	2.7	15
123	A combined multiple action recognition and summarization for surveillance video sequences. <i>Applied Intelligence</i> , 2021 , 51, 690-712	4.9	16
122	Gait recognition for person re-identification. <i>Journal of Supercomputing</i> , 2021 , 77, 3653-3672	2.5	15
121	Novel Ternary Adder and Multiplier Designs Without Using Decoders or Encoders. <i>IEEE Access</i> , 2021 , 9, 56726-56735	3.5	3
120	Development and Validation of an Early Scoring System for Prediction of Disease Severity in COVID-19 Using Complete Blood Count Parameters. <i>IEEE Access</i> , 2021 , 9, 120422-120441	3.5	8
119	End-to-End Image Steganography Using Deep Convolutional Autoencoders. <i>IEEE Access</i> , 2021 , 1-1	3.5	6
118	CamNav: a computer-vision indoor navigation system. <i>Journal of Supercomputing</i> , 2021 , 77, 7737-7756	2.5	3
117	Image Steganography Using Auto Encoder-Decoder Based Deep Learning Method. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 520-530	0.4	0
116	Image Steganography: A Review of the Recent Advances. <i>IEEE Access</i> , 2021 , 9, 23409-23423	3.5	12
115	DeepWTPCA-L1: A New Deep Face Recognition Model Based on WTPCA-L1 Norm Features. <i>IEEE Access</i> , 2021 , 9, 65091-65100	3.5	4
114	Ultra-Low Energy CNFET-Based Ternary Combinational Circuits Designs. <i>IEEE Access</i> , 2021 , 9, 115951-115961	3.5	1
113	Applications, databases and open computer vision research from drone videos and images: a survey. <i>Artificial Intelligence Review</i> , 2021 , 54, 3887-3938	9.7	10
112	Mortality Prediction Utilizing Blood Biomarkers to Predict the Severity of COVID-19 Using Machine Learning Technique. <i>Diagnostics</i> , 2021 , 11,	3.8	8
111	Smartphone-based food recognition system using multiple deep CNN models. <i>Multimedia Tools and Applications</i> , 2021 , 80, 33011	2.5	7
110	ANFIS-Net for automatic detection of COVID-19. <i>Scientific Reports</i> , 2021 , 11, 17318	4.9	6
109	COVID-19 Lesion Segmentation Using Lung CT Scan Images: Comparative Study Based on Active Contour Models. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8039	2.6	4
108	Influence of codebook patterns on writer recognition: An experimental study. <i>Expert Systems</i> , 2021 , 38, e12662	2.1	1
107	Automatic and Secure Electronic Gate System Using Fusion of License Plate, Car Make Recognition and Face Detection 2020 ,		4

106	LFR face dataset: Left-Front-Right dataset for pose-invariant face recognition in the wild 2020 ,		4
105	An image steganography approach based on k-least significant bits (k-LSB) 2020 ,		11
104	Historical documents dating using multispectral imaging and ordinal classification. <i>Journal of Cultural Heritage</i> , 2020 , 45, 71-80	2.9	4
103	2020 ,		6
102	Infrared Versus Visible Image Matching for Multispectral Face Recognition. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 497-507	0.4	
101	Testing the efficiency of laser technology to destroy the rogue drones. <i>Security and Defence Quarterly</i> , 2020 , 32, 31-38	0.2	2
100	MHAD: Multi-Human Action Dataset. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 333-341	0.4	4
99	Image Inpainting: A Review. <i>Neural Processing Letters</i> , 2020 , 51, 2007-2028	2.4	53
98	Indoor positioning and wayfinding systems: a survey. <i>Human-centric Computing and Information Sciences</i> , 2020 , 10,	5.4	47
97	Comprehensive Review of Cybercrime Detection Techniques. <i>IEEE Access</i> , 2020 , 8, 137293-137311	3.5	20
96	Towards a Comprehensive Study of Fatigue Deducing Techniques for Evaluating the Quality of Experience of Haptic-Visual Applications 2020 ,		2
95	Binarization of Degraded Document Images Using Convolutional Neural Networks and Wavelet-Based Multichannel Images. <i>IEEE Access</i> , 2020 , 8, 153517-153534	3.5	7
94	Designing a Mobile Serious Game for Raising Awareness of Diabetic Children. <i>IEEE Access</i> , 2020 , 8, 222876-222889	3.5	289
93	A comprehensive overview of feature representation for biometric recognition. <i>Multimedia Tools and Applications</i> , 2020 , 79, 4867-4890	2.5	26
92	Glandular structure-guided classification of microscopic colorectal images using deep learning. <i>Computers and Electrical Engineering</i> , 2020 , 85, 106450	4.3	0
91	Video Summarization based on Motion Detection for Surveillance Systems 2019 ,		9
90	Action recognition in poor-quality spectator crowd videos using head distribution-based person segmentation. <i>Machine Vision and Applications</i> , 2019 , 30, 1083-1096	2.8	2
89	Multi-person Head Segmentation in Low Resolution Crowd Scenes Using Convolutional Encoder-Decoder Framework. <i>Communications in Computer and Information Science</i> , 2019 , 82-92	0.3	2

88	A Comparative Study of Machine Learning Approaches for Handwriter Identification 2019 ,		2
87	Binarization of Degraded Document Images using Convolutional Neural Networks Based on Predicted Two-Channel Images 2019 ,		11
86	Comparative analysis of computer-vision and BLE technology based indoor navigation systems for people with visual impairments. <i>International Journal of Health Geographics</i> , 2019 , 18, 29	3.5	11
85	An information fusion framework for person localization via body pose in spectator crowds. <i>Information Fusion</i> , 2019 , 51, 178-188	16.7	5
84	Writer identification approach based on bag of words with OBI features. <i>Information Processing and Management</i> , 2019 , 56, 354-366	6.3	13
83	Palmprint identification using sparse and dense hybrid representation. <i>Multimedia Tools and Applications</i> , 2019 , 78, 5665-5679	2.5	10
82	Multi-focus image fusion using Content Adaptive Blurring. <i>Information Fusion</i> , 2019 , 45, 96-112	16.7	59
81	Multi-Order Statistical Descriptors for Real-Time Face Recognition and Object Classification. <i>IEEE Access</i> , 2018 , 6, 12993-13004	3.5	13
80	Palmprint Identification Using an Ensemble of Sparse Representations. <i>IEEE Access</i> , 2018 , 6, 3241-3248	3.5	39
79	Robust feature point detectors for car make recognition. <i>Computers in Industry</i> , 2018 , 100, 129-136	11.6	4
78	Bidirectional Parallel Capacitive Data Links: Modeling and Experimental Results. <i>IEEE Access</i> , 2018 , 6, 39787-39796	3.5	1
77	Automatic segmentation and reconstruction of historical manuscripts in gradient domain. <i>IET Image Processing</i> , 2018 , 12, 502-512	1.7	2
76	Automatic classification of colorectal and prostatic histologic tumor images using multiscale multispectral local binary pattern texture features and stacked generalization. <i>Neurocomputing</i> , 2018 , 275, 83-93	5.4	22
75	Using spectral imaging for the analysis of abnormalities for colorectal cancer: When is it helpful?. <i>PLoS ONE</i> , 2018 , 13, e0197431	3.7	8
74	Automatic Detection and Classification of Audio Events for Road Surveillance Applications. <i>Sensors</i> , 2018 , 18,	3.8	26
73	A Deep Learning Based Automatic Severity Detector for Diabetic Retinopathy. <i>Lecture Notes in Computer Science</i> , 2018 , 64-76	0.9	1
72	Composition Loss for Counting, Density Map Estimation and Localization in Dense Crowds. <i>Lecture Notes in Computer Science</i> , 2018 , 544-559	0.9	166
71	Moving Object Detection in Complex Scene Using Spatiotemporal Structured-Sparse RPCA. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	56

70	Subjective and objective quality assessment of degraded document images. <i>Journal of Cultural Heritage</i> , 2018 , 30, 199-209	2.9	8
69	ICFHR 2018 Competition on Multi-Script Writer Identification 2018 ,		4
68	Off-line Persian Signature Verification using Wavelet-based Fractal Dimension and One-class Gaussian Process 2018 ,		1
67	A Novel Efficient Classwise Sparse and Collaborative Representation for Holistic Palmprint Recognition 2018 ,		2
66	Investigating the Use of Autoencoders for Gait-based Person Recognition 2018 ,		2
65	Writer Identification on Historical Documents using Oriented Basic Image Features 2018 ,		11
64	Data Driven Feature Extraction for Gender Classification using Multi-Script Handwritten Texts 2018 ,		7
63	An Ensemble Learning Method Based on Random Subspace Sampling for Palmprint Identification 2018 ,		2
62	A Key Frame Based Video Summarization using Color Features 2018 ,		3
61	Arabic Bank Cheque Words Recognition Using Gabor Features 2018 ,		4
60	Mobile Assistive Technologies for Visual Impaired Users: A Survey 2018 ,		7
59	A Bilingual Scene-to-Speech Mobile Based Application 2018 ,		2
58	KERTAS: dataset for automatic dating of ancient Arabic manuscripts. <i>International Journal on Document Analysis and Recognition</i> , 2018 , 21, 283-290	3.8	6
57	Emotion recognition from scrambled facial images via many graph embedding. <i>Pattern Recognition</i> , 2017 , 67, 245-251	7.7	33
56	Random sampling for patch-based face recognition 2017 ,		7
55	BigCrypt for big data encryption 2017 ,		3
54	Letter-based classification of Arabic scripts style in ancient Arabic manuscripts: Preliminary results 2017 ,		3
53	Word Retrieval System for Ancient Arabic Manuscripts 2017 ,		3

52	Multispectral imaging and machine learning for automated cancer diagnosis 2017 ,		1
51	A review on Radio Frequency Identification methods 2017 ,		6
50	Building a multispectral image dataset for colorectal tumor biopsy 2017 ,		1
49	Conceptual data sampling for breast cancer histology image classification. <i>Computers in Biology and Medicine</i> , 2017 , 89, 59-67	7	9
48	Using Geodesic Space Density Gradients for Network Community Detection. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017 , 29, 921-935	4.2	24
47	Arabic handwriting recognition using sequential minimal optimization 2017 ,		6
46	Automatic diagnosis of prostate cancer using multispectral based linear binary pattern bagged codebooks 2017 ,		3
45	Multispectral Biopsy Image Based Colorectal Tumor Grader. <i>Communications in Computer and Information Science</i> , 2017 , 330-341	0.3	1
44	Gait recognition based on modified phase-only correlation. <i>Signal, Image and Video Processing</i> , 2016 , 10, 463-470	1.6	35
43	Automated vehicle density estimation from raw surveillance videos 2016 ,		4
42	Novel geometric features for off-line writer identification. <i>Pattern Analysis and Applications</i> , 2016 , 19, 699-708	2.3	17
41	Low-quality facial biometric verification via dictionary-based random pooling. <i>Pattern Recognition</i> , 2016 , 52, 238-248	7.7	9
40	A novel approach for handedness detection from off-line handwriting using fuzzy conceptual reduction. <i>Eurasip Journal on Image and Video Processing</i> , 2016 , 2016,	2.5	14
39	Direct Unsupervised Text Line Extraction from Colored Historical Manuscript Images Using DCT. <i>Lecture Notes in Computer Science</i> , 2016 , 753-762	0.9	
38	Robust model-free gait recognition by statistical dependency feature selection and Globality-Locality Preserving Projections 2016 ,		7
37	ICFHR2016 Competition on Multi-script Writer Demographics Classification Using "QUWI" Database 2016 ,		12
36	Face Recognition in the Scrambled Domain via Saliency-Aware Ensembles of Many Kernels. <i>IEEE Transactions on Information Forensics and Security</i> , 2016 , 11, 1807-1817	8	19
35	Partial shoeprint retrieval using multiple point-of-interest detectors and SIFT descriptors. <i>Integrated Computer-Aided Engineering</i> , 2015 , 22, 41-58	5.2	11

34	Off-line writer identification using an ensemble of grapheme codebook features. <i>Pattern Recognition Letters</i> , 2015 , 59, 18-25	4.7	39
33	Time-frequency image descriptors-based features for EEG epileptic seizure activities detection and classification 2015 ,		7
32	Combining Fisher locality preserving projections and passband DCT for efficient palmprint recognition. <i>Neurocomputing</i> , 2015 , 152, 179-189	5.4	17
31	Traffic Flow Estimation from Road Surveillance 2015 ,		4
30	ICDAR2015 competition on Multi-script Writer Identification and Gender Classification using QUWID Database 2015 ,		20
29	Classification of EEG signals for detection of epileptic seizure activities based on LBP descriptor of time-frequency images 2015 ,		8
28	Unsupervised feature selection method for improved human gait recognition 2015 ,		7
27	Texture analysis for colorectal tumour biopsies using multispectral imagery. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 7218-21	0.9	11
26	An interactive annotation tool for indexing Historical manuscripts 2014 ,		1
25	Robust human silhouette extraction with Laplacian fitting. <i>Pattern Recognition Letters</i> , 2014 , 49, 69-76	4.7	3
24	Automatic prediction of age, gender, and nationality in offline handwriting. <i>Eurasip Journal on Image and Video Processing</i> , 2014 , 2014,	2.5	47
23	Undecimated wavelet-based Bayesian denoising in mixed Poisson-Gaussian noise with application on medical and biological images 2014 ,		3
22	Using codebooks generated from text skeletonization for forensic writer identification 2014 ,		1
21	On the use of time-frequency features for detecting and classifying epileptic seizure activities in non-stationary EEG signals 2014 ,		11
20	Haralick feature extraction from time-frequency images for epileptic seizure detection and classification of EEG data 2014 ,		8
19	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014 , 61, 120-133	3.9	20
18	An improved palmprint recognition system using iris features. <i>Journal of Real-Time Image Processing</i> , 2013 , 8, 253-263	1.9	10
17	Automatic handedness detection from off-line handwriting 2013 ,		8

16	Systolic architecture for hardware implementation of two-dimensional non-separable filter-bank 2013 ,		2
15	Enhancing face recognition using Directional Filter Banks 2013 , 23, 586-594		10
14	Characterization of untreated and treated male and female date palm leaves. <i>Materials & Design</i> , 2013 , 43, 526-531		42
13	ICDAR 2013 Competition on Gender Prediction from Handwriting 2013 ,		14
12	ICDAR 2013 Competition on Handwriting Stroke Recovery from Offline Data 2013 ,		6
11	The Evolution of Scholarly Digital Library Needs in an International Environment: Social Reference Management Systems and Qatar. <i>Lecture Notes in Computer Science</i> , 2013 , 180-181	0.9	1
10	A New Chaos-Based Image-Encryption and Compression Algorithm. <i>Journal of Electrical and Computer Engineering</i> , 2012 , 2012, 1-11	1.9	28
9	ICFHR 2012 Competition on Writer Identification Challenge 2: Arabic Scripts 2012 ,		14
8	Text-Dependent Writer Identification for Arabic Handwriting. <i>Journal of Electrical and Computer Engineering</i> , 2012 , 2012, 1-8	1.9	14
7	A Multi-modal Face and Signature Biometric Authentication System Using a Max-of-Scores Based Fusion. <i>Lecture Notes in Computer Science</i> , 2012 , 576-583	0.9	1
6	QUWI: An Arabic and English Handwriting Dataset for Offline Writer Identification 2012 ,		48
5	An Online Signature Verification System for Forgery and Disguise Detection. <i>Lecture Notes in Computer Science</i> , 2012 , 552-559	0.9	9
4	A Set of Geometrical Features for Writer Identification. <i>Lecture Notes in Computer Science</i> , 2012 , 584-591	0.9	24
3	Round-Robin sequential forward selection algorithm for prostate cancer classification and diagnosis using multispectral imagery. <i>Machine Vision and Applications</i> , 2011 , 22, 865-878	2.8	18
2	The ICDAR2011 Arabic Writer Identification Contest 2011 ,		25
1	Image Generation: A Review. <i>Neural Processing Letters</i> , 1	2.4	3