Mohamed Ali Mahjoub

List of Publications by Year
in descending order

86 papers	835 citations	758635 12 h-index	642321 23 g-index
88 all docs	88 docs citations	88 times ranked	551 citing authors

#	Article	IF	Citations
1	Brain multiplexes reveal morphological connectional biomarkers fingerprinting late brain dementia states. Scientific Reports, 2018, 8, 4103.	1.6	78
2	Vision-based human action recognition: An overview and real world challenges. Forensic Science International: Digital Investigation, 2020, 32, 200901.	1.2	74
3	Automatic speech emotion recognition using an optimal combination of features based on EMD-TKEO. Speech Communication, 2019, 114, 22-35.	1.6	66
4	Automatic Speech Emotion Recognition Using Machine Learning. , 0, , .		48
5	A novel public dataset for multimodal multiview and multispectral driver distraction analysis: 3MDAD. Signal Processing: Image Communication, 2020, 88, 115960.	1.8	32
6	Pedestrian detection using a moving camera: A novel framework for foreground detection. Cognitive Systems Research, 2020, 60, 77-96.	1.9	29
7	Soft Spatial Attention-Based Multimodal Driver Action Recognition Using Deep Learning. IEEE Sensors Journal, 2021, 21, 1918-1925.	2.4	28
8	Synchronous Multi-Stream Hidden Markov Model for offline Arabic handwriting recognition without explicit segmentation. Neurocomputing, 2016, 214, 958-971.	3.5	23
9	Safe Driving : Driver Action Recognition using SURF Keypoints. , 2018, , .		20
10	Deep random forest-based learning transfer to SVM for brain tumor segmentation. , 2016, , .		18
11	Reconstruction of a CAD model from the deformed mesh using B-spline surfaces. International Journal of Computer Integrated Manufacturing, 2019, 32, 669-681.	2.9	18
12	A novel multi-view pedestrian detection database for collaborative Intelligent Transportation Systems. Future Generation Computer Systems, 2020, 113, 506-527.	4.9	18
13	MDAD: A Multimodal and Multiview in-Vehicle Driver Action Dataset. Lecture Notes in Computer Science, 2019, , 518-529.	1.0	17
14	Adaptive strategy for superpixel-based region-growing image segmentation. Journal of Electronic Imaging, 2017, 26, 1.	0.5	16
15	Fusion strategies for recognition of violence actions. , 2017, , .		15
16	Explicit Haarâ€"Schauder multiwavelet filters and algorithms. Part II: Relative entropy-based estimation for optimal modeling of biomedical signals. International Journal of Wavelets, Multiresolution and Information Processing, 2019, 17, 1950038.	0.9	14
17	Brain graph synthesis by dual adversarial domain alignment and target graph prediction from a source graph. Medical Image Analysis, 2021, 68, 101902.	7.0	14
18	A review on speech emotion recognition: Case of pedagogical interaction in classroom. , 2017, , .		13

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19	Event detection in video sequences: Challenges and perspectives. , 2017, , .		12
20	Tree-based Ensemble Classifier Learning for Automatic Brain Glioma Segmentation. Neurocomputing, 2018, 313, 135-142.	3.5	12
21	Toward recursive spherical harmonics-issued bi-filters: Part I: theoretical framework. Soft Computing, 2019, 23, 10415-10428.	2.1	12
22	Intelligent approach for optimal sizing in photovoltaic panel-battery system and optimizing smart grid energy. Transactions of the Institute of Measurement and Control, 0, , 014233122110270.	1.1	12
23	Challenges and Methods of Violence Detection in Surveillance Video: A Survey. Lecture Notes in Computer Science, 2019, , 62-73.	1.0	12
24	Brain graph super-resolution for boosting neurological disorder diagnosis using unsupervised multi-topology connectional brain template learning. Medical Image Analysis, 2020, 65, 101768.	7.0	11
25	Reproducibility Experimentation among Computer-Aided Inspection Software from a Single Point Cloud. Journal of Control Science and Engineering, 2019, 2019, 1-10.	0.8	11
26	Software Comparison Dealing with Bayesian Networks. Lecture Notes in Computer Science, 2011, , 168-177.	1.0	10
27	Brain multigraph prediction using topology-aware adversarial graph neural network. Medical Image Analysis, 2021, 72, 102090.	7.0	10
28	Toward recursive spherical harmonics issued bi-filters: Part II: an associated spherical harmonics entropy for optimal modeling. Soft Computing, 2020, 24, 5231-5243.	2.1	9
29	Application of Bayesian networks for pattern recognition: Character recognition case. , 2012, , .		8
30	Bayesian Network and Structured Random Forest Cooperative Deep Learning for Automatic Multi-label Brain Tumor Segmentation. , 2018, , .		8
31	Dynamic hierarchical Bayesian network for Arabic handwritten word recognition. , 2013, , .		7
32	Deep CNN-based Pedestrian Detection for Intelligent Infrastructure. , 2020, , .		7
33	Topology-Aware Generative Adversarial Network for Joint Prediction of Multiple Brain Graphs from a Single Brain Graph. Lecture Notes in Computer Science, 2020, , 551-561.	1.0	7
34	Image segmentation by contextual region growing based on fuzzy classification. , 2016, , .		6
35	ECG Signal Processing with Haar-Schauder Multiwavelet. , 2019, , .		6
36	Learning contextual superpixel similarity for consistent image segmentation. Multimedia Tools and Applications, 2020, 79, 2601-2627.	2.6	6

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37	Toward new multi-wavelets: associated filters and algorithms. Part I: theoretical framework and investigation of biomedical signals, ECG, and coronavirus cases. Soft Computing, 2021, 25, 14059-14079.	2.1	6
38	Non-isomorphic Inter-modality Graph Alignment and Synthesis for Holistic Brain Mapping. Lecture Notes in Computer Science, 2021, , 203-215.	1.0	6
39	Performance Evaluation and Benchmarking of Six Texture-Based Feature Sets for Segmenting Historical Documents. , 2014, , .		5
40	Robustness Assessment of Texture Features for the Segmentation of Ancient Documents. , 2014, , .		5
41	A new approach for reusable 3D CAD objects detection, by similarity calculation based on Bayesian network models (BNM). International Journal of Computer Integrated Manufacturing, 2021, 34, 1285-1304.	2.9	5
42	Toward New Spherical Harmonic Shannon Entropy for Surface Modeling. Lecture Notes in Computer Science, 2019, , 38-48.	1.0	5
43	Hierarchical Adversarial Connectomic Domain Alignment for Target Brain Graph Prediction and Classification from a Source Graph. Lecture Notes in Computer Science, 2019, , 105-114.	1.0	5
44	Symmetric Dual Adversarial Connectomic Domain Alignment for Predicting Isomorphic Brain Graph from a Baseline Graph. Lecture Notes in Computer Science, 2019, , 465-474.	1.0	5
45	Mouse Movement and Probabilistic Graphical Models Based E-Learning Activity Recognition Improvement Possibilistic Model. Arabian Journal for Science and Engineering, 2016, 41, 2847-2862.	1.1	4
46	A Combined Approach Based on Fuzzy Classification and Contextual Region Growing to Image Segmentation. , 2016, , .		4
47	3D Object Retrieval Based on Similarity Calculation in 3D Computer Aided Design Systems. , 2017, , .		4
48	Approach for CAD model Reconstruction from a deformed mesh. , 2017, , .		4
49	Hidden Markov model for inferring user task using mouse movement. , 2013, , .		3
50	Possibilistic reasoning effects on Hidden Markov Models effectiveness. , 2015, , .		3
51	Coupled Hidden Markov Model for video fall detection. , 2015, , .		3
52	Hidden conditional random fields for gait recognition. , 2016, , .		3
53	Comparative Study and Enhancement of Camera Tampering Detection Algorithms. , 2016, , .		3
54	Evaluation of the Algorithmic Error of New Specification Tools for an ISO 14405-1:2016 Size. , 2018, , .		3

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55	Microcalcifications detection from mammographic images based on region growing and variational energy convergence. , 2018, , .		3
56	e-SAAD system. , 2019, , .		3
57	StairwayGraphNet for Inter- and Intra-modality Multi-resolution Brain Graph Alignment and Synthesis. Lecture Notes in Computer Science, 2021, , 140-150.	1.0	3
58	Dynamic Multiscale Tree Learning using Ensemble Strong Classifiers for Multi-label Segmentation of Medical Images with Lesions. , 2018, , .		3
59	A Spherical Harmonics-LSB-quantification Adaptive Watermarking Approach for 3D Multiresolution Meshes Security. Lecture Notes in Computer Science, 2021, , 361-370.	1.0	3
60	Tutorial and Selected Approaches on Parameter Learning in Bayesian Network with Incomplete Data. Lecture Notes in Computer Science, 2012, , 478-488.	1.0	2
61	Features selection in video fall detection. , 2014, , .		2
62	Object Recognition Based on Dynamic Random Forests and SURF Descriptor. Lecture Notes in Computer Science, 2017, , 355-364.	1.0	2
63	A Transition State Cost Sensitive Virtual Machines Consolidation. , 2018, , .		2
64	A novel approach to the inspection of deformable bodies by adapting the coherent point drift algorithm and using a clustering methodology. International Journal of Advanced Manufacturing Technology, 2019, 103, 409-422.	1.5	2
65	Reconstruction of the CAD Model using TPS Surface. , 2019, , .		2
66	A Comparative Study of Extraction Cylinder Features in Industrial Point Clouds. , 2019, , .		2
67	A new conditional region growing approach for microcalcification delineation in mammograms. Medical and Biological Engineering and Computing, 2021, 59, 1795-1814.	1.6	2
68	HMDHBN: Hidden Markov Inducing a Dynamic Hierarchical Bayesian Network for Tumor Growth Prediction. Lecture Notes in Computer Science, 2019, , 3-14.	1.0	2
69	Ear recognition in degraded conditions based on spectral saliency: smart home access. Journal of Electronic Imaging, 2020, 29, 1.	0.5	2
70	An Innovative Approach Towards Violence Recognition Based on Deep Belief Network. , 2022, , .		2
71	A Multi-Convolutional Stream for Hybrid network for Driver Action Recognition at Nighttime. , 2022, , .		2
72	Enhancing ontology-based home Care Services platform using Bayesian networks. , 2020, , .		1

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73	Toward Multiwavelet Haar-Schauder Entropy for Biomedical Signal Reconstruction. Lecture Notes in Computer Science, 2021, , 298-307.	1.0	1
74	A new conditional region growing approach for an accurate detection of microcalcifications from mammographic images. , 2020, , .		1
75	A Jena API for combining ontologies and Bayesian object-oriented networks. , 2022, , .		1
76	A comparative study of geometric primitives fitting to 3D point clouds. , 2022, , .		1
77	3D MESH OBJECT RETRIEVAL BY DISCRETE AND CONTINUOUS HIDDEN MARKOV MODELS. International Journal of Image and Graphics, 2012, 12, 1250022.	1.2	0
78	Indexing of ancient document images based on EM algorithm and tangent distance. , 2012, , .		0
79	Indexation of images of blood cells by generalized quaternary trees. , 2012, , .		0
80	Tunisian city name recognition based on dynamic Bayesian networks: Factorial hidden Markov model case. , 2014, , .		0
81	Improving of handwritten Tunisian City names recognition based on Factorial Hidden Markov Model. , 2014, , .		0
82	Morphological-based microcalcification detection using adaptive thresholding and structural similarity indices. , 2020, , .		0
83	Brain MRI Image Segmentation in View of Tumor Detection: Application to Multiple Sclerosis. Lecture Notes in Computer Science, 2012, , 380-390.	1.0	0
84	Combining Logical and Probabilistic Reasoning to Improve a home care platform. , 2022, , .		0
85	Robust approach linking cryptography,3D watermarking using RSA algorithm and spherical harmonics transform to secure multiresolution meshes transmission. , 2022, , .		0
86	A Comparative study of three AI prediction algorithms based on measured databases for an optimal Smart Grid. , 2022, , .		0