Hadi Seyedarabi

List of Publications by Year
in descending order

85 papers	1,354 citations	623188 14 h-index	377514 34 g-index
88 all docs	88 docs citations	88 times ranked	1269 citing authors

#	Article	IF	Citations
1	3D hand pose estimation using RGBD images and hybrid deep learning networks. Visual Computer, 2022, 38, 2023-2032.	2.5	3
2	A MATLAB-Based Toolbox to Simulate Transcranial Direct-Current Stimulation Using Flexible, Fast, and High Quality Tetrahedral Mesh Generation. IEEE Access, 2022, 10, 76573-76585.	2.6	0
3	Imaging modalities in differential diagnosis of Parkinsonâ€™s disease: opportunities and challenges. Egyptian Journal of Radiology and Nuclear Medicine, 2021, 52, .	0.3	5
4	Effect of triangular electrode schemes on Brocaâ€™s cortical stimulation: conventional and HD-tDCS study. Medical and Biological Engineering and Computing, 2021, 59, 913-924.	1.6	2
5	Development of pixel-wise U-Net model to assess performance of cereal sowing. Biosystems Engineering, 2021, 208, 260-271.	1.9	8
6	Hybrid navigation based on GPS data and SIFT-based place recognition using Biologically-inspired SLAM. , 2021, , .		2
7	Trajectory-based recognition of dynamic Persian sign language using hidden Markov model. Computer Speech and Language, 2020, 61, 101053.	2.9	25
8	Robust FCM clustering algorithm with combined spatial constraint and membership matrix local information for brain MRI segmentation. Expert Systems With Applications, 2020, 146, 113159.	4.4	26
9	Optimization of montages and electric currents in tDCS. Computers in Biology and Medicine, 2020, 125, 103998.	3.9	10
10	Secrecy capacity results for a secure NOMA-based cognitive radio network with an external eavesdropper. Physical Communication, 2020, 43, 101224.	1.2	1
11	Automatic Detection and Monitoring of Diabetic Retinopathy Using Efficient Convolutional Neural Networks and Contrast Limited Adaptive Histogram Equalization. IEEE Access, 2020, 8, 136668-136673.	2.6	69
12	Disparity improvement of brain tissues after MRI segmentation in tDCS rehabilitation. , 2020, , .		1
13	A comparison study of automated approaches for brain lesions segmentation in ischemic stroke. , 2020, , .		1
14	The effect of electrode shapes at tDCS in study of stroke patients. , 2020, , .		0
15	Increasing the efficiency of the Lesion segmentation tools to detect brain lesions in stroke. , 2020, , .		0
16	Deep learning-assisted adaptive modulation level assignment for video communication over an elastic optical network. Optical Fiber Technology, 2019, 52, 101987.	1.4	3
17	EEG-based single-channel authentication systems with optimum electrode placement for different mental activities. Biomedical Journal, 2019, 42, 261-267.	1.4	39
18	The Correcting Approach of Gyroscope-Free Inertial Navigation Based on the Applicable Topological Map. Journal of Computing and Information Science in Engineering, 2019, 19, .	1.7	4

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19	Optimal HEVC Configuration for Wireless Video Communication Under Energy Constraints. IEEE Access, 2018, 6, 72479-72493.	2.6	2
20	Energy efficient sensor selection method in cooperative spectrum sensing with low complexity. , 2018, , .		1
21	Improvement of angular velocity and position estimation in gyro€free inertial navigation based on vision aid equipment. IET Computer Vision, 2018, 12, 261-275.	1.3	5
22	Dental segmentation in cone-beam computed tomography images using watershed and morphology operators. Journal of Medical Signals and Sensors, 2018, 8, 119.	0.5	11
23	Dental segmentation in cone-beam computed tomography images using watershed and morphology operators. Journal of Medical Signals and Sensors, 2018, 8, 119.	0.5	3
24	Dental Segmentation in Cone-beam Computed Tomography Images Using Watershed and Morphology Operators. Journal of Medical Signals and Sensors, 2018, 8, 119-124.	0.5	3
25	CLASSIFICATION OF CARDIAC ARRHYTHMIAS USING ARTERIAL BLOOD PRESSURE BASED ON DISCRETE WAVELET TRANSFORM. Biomedical Engineering - Applications, Basis and Communications, 2017, 29, 1750034.	0.3	9
26	Fusion of ECG and ABP signals based on wavelet transform for cardiac arrhythmias classification. Computer Methods and Programs in Biomedicine, 2017, 151, 71-78.	2.6	16
27	PET and MRI image fusion based on combination of 2-D Hilbert transform and IHS method. Biomedical Journal, 2017, 40, 219-225.	1.4	63
28	A new secure and sensitive image encryption scheme based on new substitution with chaotic function. Multimedia Tools and Applications, 2016, 75, 10631-10648.	2.6	91
29	Combination of high-level features with low-level features for detection of pedestrian. Signal, Image and Video Processing, 2016, 10, 93-101.	1.7	14
30	A robust Bayesian inference-based channel estimation in power line communication systems contaminated by impulsive noise. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 2865-2880.	0.9	3
31	Adaptive CSK modulation guaranteeing HEVC video quality over Visible Light Communication network. , 2016, , .		1
32	Quality aware HEVC video transmission over wireless visual sensor networks. , 2016, , .		3
33	Multi-focus image fusion for visual sensor networks. , 2016, , .		9
34	Continuous Hidden Markov Model based dynamic Persian Sign Language recognition. , 2016, , .		2
35	Pose estimation of soccer players using multiple uncalibrated cameras. Multimedia Tools and Applications, 2016, 75, 6809-6827.	2.6	10
36	New method robust video coding based on compressive sensing. , 2015, , .		0

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37	Jointly RVM Based Channel Estimation and PAPR Reduction Using Modified Tabu Search Algorithm in Power Line Communication Systems. Wireless Personal Communications, 2015, 84, 2757-2775.	1.8	5
38	Study on an automatic sorting system for Date fruits. Journal of the Saudi Society of Agricultural Sciences, 2015, 14, 83-90.	1.0	39
39	A comparative study on preprocessing techniques in diabetic retinopathy retinal images: Illumination correction and contrast enhancement. Journal of Medical Signals and Sensors, 2015, 5, 40.	0.5	41
40	A comparative study on preprocessing techniques in diabetic retinopathy retinal images: illumination correction and contrast enhancement. Journal of Medical Signals and Sensors, 2015, 5, 40-8.	0.5	13
41	Vision-Based Row Detection Algorithms Evaluation for Weeding Cultivator Guidance in Lentil. Modern Applied Science, 2014, 8, 224.	0.4	2
42	Multifocus image fusion based on compressive sensing for visual sensor networks. , 2014, , .		5
43	Better detection of retinal abnormalities by accurate detection of blood vessels in retina. , 2014, , .		1
44	Multiview 3D reconstruction based on vanishing points and homography. , 2014, , .		2
45	Fusing the information in visible light and near-infrared images for iris recognition. Machine Vision and Applications, 2014, 25, 881-899.	1.7	8
46	A novel fast search motion estimation algorithm in video coding. , 2014, , .		6
47	Evaluation criteria of biological artifacts removal rate from EEG signals. , 2014, , .		4
48	Face recognition using Gabor-based direct linear discriminant analysis and support vector machine. Computers and Electrical Engineering, 2013, 39, 727-745.	3.0	46
49	Three camera-based human tracking using weighted color and cellular LBP histograms in a particle filter framework. , 2013, , .		2
50	Robust pedestrian detection using low level and high level features. , 2013, , .		3
51	Using optical flow and spectral clustering for behavior recognition and detection of anomalous behaviors. , 2013, , .		2
52	Visible and IR image fusion algorithm for short range smoke detection. , 2013, , .		18
53	Real-time dynamic hand gesture recognition using hidden Markov models. , 2013, , .		6
54	Human detection and tracking using new features combination in particle filter framework. , 2013, , .		4

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55	Detection and tracking of occluded humans in three-camera network. , 2013, , .		3
56	Hybrid method for hand gesture recognition based on combination of Haar-like and HOG features. , 2013, , .		9
57	Discriminant analysis between myocardial infarction patients and healthy subjects using wavelet transformed signal averaged electrocardiogram and probabilistic neural network. Journal of Medical Signals and Sensors, 2013, 3, 225.	0.5	17
58	Discriminant analysis between myocardial infarction patients and healthy subjects using wavelet transformed signal averaged electrocardiogram and probabilistic neural network. Journal of Medical Signals and Sensors, 2013, 3, 225-30.	0.5	1
59	Behavior recognition and anomaly behavior detection using clustering. , 2012, , .		2
60	Improved particle filtering algorithm for maneuvering object tracking using deformation detection. , 2012, , .		1
61	Fusion of visual and infrared signals in visual sensor network for night vision. , 2012, , .		0
62	The Effect of Camera and Light Source Characteristics on Image Quality in Machine Vision Application in Food Industry. Journal of Agricultural Science, 2012, 4, .	0.1	1
63	Physical Properties of Iranian Berhi Date at Different Stages of Maturity. Sustainable Agriculture Research, 2012, 1, 268.	0.2	0
64	Potato surface defect detection in machine vision system. African Journal of Agricultural Research Vol Pp, 2012, 7, .	0.2	10
65	Facial Features Tracking Using Auxiliary Particle Filtering and Observation Model Based on Bhattacharyya Distance. International Journal of Computer Theory and Engineering, 2012, , 758-761.	3.2	2
66	A Modified Fuzzy C-Means Clustering with Spatial Information for Image Segmentation. International Journal of Computer Theory and Engineering, 2012, , 762-766.	3.2	14
67	Face Recognition Using Gabor Filter Bank, Kernel Principle Component Analysis and Support Vector Machine. International Journal of Computer Theory and Engineering, 2012, , 767-771.	3.2	18
68	Merged Clustering Imperialists Algorithm (MCIA). International Journal of Information and Electronics Engineering, 2012, , .	0.2	0
69	Contourlet Transform for Iris Image Segmentation. International Journal of Computer Applications, 2012, 60, 41-44.	0.2	2
70	A Modified FCM Algorithm for MRI Brain Image Segmentation. , 2011, , .		6
71	Tracking and occlusion handling in multi-sensor networks by particle filter. , 2011, , .		22
72	Multi-focus image fusion for visual sensor networks in DCT domain. Computers and Electrical Engineering, 2011, 37, 789-797.	3.0	208

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73	A non-reference image fusion metric based on mutual information of image features. Computers and Electrical Engineering, 2011, 37, 744-756.	3.0	314
74	Clustering Imperialists Algorithm (CIA). , 2011, , 209-215.		0
75	Real-time fusion of multi-focus images for visual sensor networks. , 2010, , .		29
76	Vehicle tracking by fusing multiple cues in structured environments using particle filter. , 2010, , .		4
77	Vehicle tracking in multi- sensor networks by fusing data in particle filter framework. , 2010, , .		0
78	Fiducial facial points tracking using particle filter and geometric features. , 2010, , .		4
79	Block-based image error concealment using fragile watermarking in error-prone channels. , 2010, , .		0
80	High- performance facial expression recognition using Gabor filter and Probabilistic Neural Network. , 2009, , .		14
81	Multi-pose head tracking using colour and edge features fuzzy aggregation for driver assistant system. , 2009, , .		1
82	High precision PSO and FLS integrated method for facial landmark localization. , 2009, , .		1
83	A Combined KPCA and SVM Method for Basic Emotional Expressions Recognition. , 2009, , .		0
84	Automatic Lip Tracking and Action Units Classification using Two-Step Active Contours and Probabilistic Neural Networks. , 2006, , .		14
85	Facial Expressions Recognition in a Single Static as well as Dynamic Facial Images Using Tracking and Probabilistic Neural Networks. Lecture Notes in Computer Science, 2006, , 292-304.	1.0	4