Hamid Hassanpour

List of Publications by Year
in descending order

99 papers	1,369 citations	567144 15 h-index	501076 28 g-index
100 all docs	100 docs citations	100 times ranked	1284 citing authors

#	Article	IF	Citations
1	Using morphological transforms to enhance the contrast of medical images. Egyptian Journal of Radiology and Nuclear Medicine, 2015, 46, 481-489.	0.3	102
2	Time-Frequency Feature Extraction of Newborn EEG Seizure Using SVD-Based Techniques. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.0	81
3	Using Hidden Markov Models for paper currency recognition. Expert Systems With Applications, 2009, 36, 10105-10111.	4.4	80
4	A comparative performance analysis of different activation functions in LSTM networks for classification. Neural Computing and Applications, 2019, 31, 2507-2521.	3.2	77
5	User trends modeling for a content-based recommender system. Expert Systems With Applications, 2017, 87, 209-219.	4.4	58
6	A time–frequency approach for noise reduction. , 2008, 18, 728-738.		55
7	Time–frequency based newborn EEG seizure detection using low and high frequency signatures. Physiological Measurement, 2004, 25, 935-944.	1.2	47
8	A Cascaded Part-Based System for Fine-Grained Vehicle Classification. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 273-283.	4.7	44
9	Feature extraction for paper currency recognition. , 2007, , .		38
10	Designing a new robust on-line secondary path modeling technique for feedforward active noise control systems. Signal Processing, 2009, 89, 1195-1204.	2.1	35
11	Time domain signal enhancement based on an optimized singular vector denoising algorithm. , 2012, 22, 786-794.		35
12	User preferences modeling using dirichlet process mixture model for a content-based recommender system. Knowledge-Based Systems, 2019, 163, 644-655.	4.0	30
13	A content-based movie recommender system based on temporal user preferences. , 2017, , .		29
14	Fetal ECG Extraction Using Wavelet Transform. , 2006, , .		27
15	Physiological, biochemical and gene-expressional responses to water deficit in apple subjected to partial root-zone drying (PRD). Plant Physiology and Biochemistry, 2020, 148, 333-346.	2.8	25
16	An intelligent approach for variable size segmentation of non-stationary signals. Journal of Advanced Research, 2015, 6, 687-698.	4.4	24
17	An efficient online secondary path estimation for feedback active noise control systems. , 2009, 19, 241-249.		23
18	A hybrid evolutionary approach to segmentation of non-stationary signals. , 2013, 23, 1103-1114.		22

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19	Automatic estimation and segmentation of partial blur in natural images. Visual Computer, 2017, 33, 151-161.	2.5	21
20	Employing image processing techniques for cancer detection using microarray images. Computers in Biology and Medicine, 2017, 81, 139-147.	3.9	20
21	Using diffusion equations for improving performance of wavelet-based image denoising techniques. IET Image Processing, 2010, 4, 452.	1.4	19
22	Using a time-frequency distribution to identify buried channels in reflection seismic data. , 2016, 54, 54-63.		19
23	Adaptive Segmentation Using Wavelet Transform. , 2007, , .		18
24	Non-blind image deconvolution using a regularization based on re-blurring process. Computer Vision and Image Understanding, 2017, 154, 16-34.	3.0	18
25	A regression-based approach for measuring similarity in discrete signals. International Journal of Electronics, 2011, 98, 1141-1156.	0.9	16
26	A variable step-size FxLMS algorithm for feedforward active noise control systems based on a new online secondary path modelling technique. , 2008, , .		15
27	Retinal vessel segmentation using the 2-D Morlet wavelet and neural network. , 2007, , .		14
28	A self-tuning hybrid active noise control system. Journal of the Franklin Institute, 2012, 349, 1904-1914.	1.9	13
29	Local motion deblurring using an effective image prior based on both the first- and second-order gradients. Machine Vision and Applications, 2017, 28, 431-444.	1.7	13
30	Blind Quality Metric for Contrast-Distorted Images Based on Eigendecomposition of Color Histograms. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 48-58.	5.6	12
31	Spike Detection Based on the Adaptive Timeâ€"Frequency Analysis. Circuits, Systems, and Signal Processing, 2020, 39, 5656-5680.	1.2	12
32	Improved SVD-Based Technique for Enhancing the Time-Frequency Representation of Signals. , 2007, , .		11
33	A comprehensive system for image scene classification. Multimedia Tools and Applications, 2020, 79, 18033-18058.	2.6	11
34	Neonatal EEG seizure detection using spike signatures in the time-frequency domain. , 2003, , .		10
35	Image enhancement using diffusion equations. , 2007, , .		10
36	A new fast no search fractal image compression in DCT domain. , 2007, , .		10

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37	A novel speech enhancement approach based on Singular Value Decomposition and Genetic Algorithm. , 2010, , .		10
38	Gender classification based on fuzzy clustering and principal component analysis. IET Computer Vision, 2016, 10, 228-233.	1.3	10
39	Partâ€based recognition of vehicle make and model. IET Image Processing, 2017, 11, 483-491.	1.4	10
40	The integration of image processing and artificial neural network to estimate four fatty acid contents of sesame oil. LWT - Food Science and Technology, 2020, 129, 109476.	2.5	10
41	A Computer-Aided Method for Digestive System Abnormality Detection in WCE Images. Journal of Healthcare Engineering, 2021, 2021, 1-11.	1.1	10
42	Designing an adaptive approach for segmenting non-stationary signals. International Journal of Electronics, 2011, 98, 1091-1102.	0.9	9
43	Blind motion image deblurring using an effective blur kernel prior. Multimedia Tools and Applications, 2019, 78, 22555-22574.	2.6	9
44	Estimating Oil and Protein Content of Sesame Seeds Using Image Processing and Artificial Neural Network. JAOCS, Journal of the American Oil Chemists' Society, 2020, 97, 691-702.	0.8	9
45	A HISTOGRAM-BASED ELECTROENCEPHALOGRAM SPIKE DETECTION. , 0, , .		8
46	A noise-immune no-reference metric for estimating blurriness value of an image. Signal Processing: Image Communication, 2016, 47, 218-228.	1.8	8
47	Feature Selection for Bleeding Detection in Capsule Endoscopy Images using Genetic Algorithm. , 2019, , .		8
48	Face recognition using non-negative matrix factorization with a single sample per person in a large database. Multimedia Tools and Applications, 2020, 79, 28265-28276.	2.6	8
49	Feature extraction for abnormality detection in capsule endoscopy images. Biomedical Signal Processing and Control, 2022, 71, 103219.	3.5	8
50	An evolutionary event detection model using the Matrix Decomposition Oriented Dirichlet Process. Expert Systems With Applications, 2022, 189, 116086.	4.4	8
51	An adaptive meta-search engine considering the userâ€™s field of interest. Journal of King Saud University - Computer and Information Sciences, 2012, 24, 71-81.	2.7	7
52	Fully automatic classification of breast cancer microarray images. Journal of Electrical Systems and Information Technology, 2016, 3, 348-359.	1.2	7
53	Image compression using JPEG with reduced blocking effects via adaptive down-sampling and self-learning image sparse representation. Multimedia Tools and Applications, 2018, 77, 8677-8693.	2.6	7
54	An improved adaptive signal segmentation method using fractal dimension. , 2010, , .		6

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55	Classification of power system faults using ANN classifiers. , 2010, , .		6
56	Model-based full reference image blurriness assessment. Multimedia Tools and Applications, 2017, 76, 2733-2747.	2.6	6
57	Body orientation estimation with the ensemble of logistic regression classifiers. Multimedia Tools and Applications, 2017, 76, 23589-23605.	2.6	6
58	Using a Blur Metric to Estimate Linear Motion Blur Parameters. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-8.	0.7	6
59	A new common-mode voltage reduction technique for multilevel inverters. , 2007, , .		5
60	A new online secondary path modelling method for feedforward active noise control systems. , 2008, , .		5
61	A self-tuning feedforward active noise control system. IEICE Electronics Express, 2009, 6, 230-236.	0.3	5
62	A short-term learning framework based on relevance feedback for content-based image retrieval. , 2017, , .		5
63	No-reference image quality assessment based on localized discrete cosine transform for JPEG compressed images. Multimedia Tools and Applications, 2018, 77, 787-803.	2.6	5
64	Grid€impedance estimation in high€frequency range with a single signal injection using time€"frequency distribution. IET Science, Measurement and Technology, 2019, 13, 1009-1018.	0.9	5
65	Image quality assessment using a novel region smoothness measure. Journal of Visual Communication and Image Representation, 2019, 60, 217-228.	1.7	5
66	Rule extraction for fatty liver detection using neural networks. Neural Computing and Applications, 2019, 31, 979-989.	3.2	5
67	Multi€camera multiple vehicle tracking in urban intersections based on multilayer graphs. IET Intelligent Transport Systems, 2020, 14, 1673-1690.	1.7	5
68	Grid impedance estimation using low power signal injection in noisy measurement condition based on wavelet denoising. , 2017, , .		4
69	Image Zooming Using a Multi-layer Neural Network. Computer Journal, 2018, 61, 1737-1748.	1.5	4
70	Image Enhancement via Reducing Impairment Effects on Image Components. International Journal of Engineering, Transactions B: Applications, 2013, 26, .	0.6	4
71	A SURVEY ON AGE INVARIANT FACE RECOGNITION METHODS. Jordanian Journal of Computers and Information Technology, 2019, , 1.	0.3	4
72	A content recognizability measure for image quality assessment considering the high frequency attenuating distortions. Multimedia Tools and Applications, 2018, 77, 7357-7382.	2.6	3

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73	An adaptive block based un-sharp masking for image quality enhancement. Multimedia Tools and Applications, 2019, 78, 23521-23534.	2.6	3
74	A Novel Pixon-Based Approach for Image Segmentation Using Wavelet Thresholding Method. Lecture Notes in Computer Science, 2009, , 191-200.	1.0	3
75	People re-identification under occlusion and crowded background. Multimedia Tools and Applications, 2022, 81, 22549-22569.	2.6	3
76	Improving quality of fractal compressed images. , 2007, , .		2
77	Combining pixon concept with wavelet thresholding in medical image segmentation. , 2009, , .		2
78	Passive grid impedance estimation using several short-term low power signal injections. , 2016, , .		2
79	Improving the Performance of Multilayer Backpropagation Neural Networks with Adaptive Leaning Rate. , 2018, , .		2
80	An Overview of Face Detection Methods in Angular Positions. , 2019, , .		2
81	A cascading scheme for speeding up multiple classifier systems. Pattern Analysis and Applications, 2019, 22, 375-387.	3.1	2
82	Frontal face modeling using morphing-based averaging and Low-rank decomposition. Multimedia Tools and Applications, 2021, 80, 7125-7144.	2.6	2
83	Cystoscopic Image Classification by Unsupervised Feature Learning and Fusion of Classifiers. IEEE Access, 2021, 9, 126610-126622.	2.6	2
84	A New Feedback ANC System Approach. Communications in Computer and Information Science, 2008, , 324-331.	0.4	2
85	A new paradigm for image quality assessment based on human abstract layers of quality perception. Multimedia Tools and Applications, 2022, 81, 23193-23215.	2.6	2
86	Face recognition in a large dataset using a hierarchical classifier. Multimedia Tools and Applications, 0, , 1.	2.6	2
87	A Color-Based Re-Ranking Process for People Re-Identification : Paper ID 21. , 2021, , .		1
88	Benefiting White Noise in Developing Feedforward Active Noise Control Systems. Communications in Computer and Information Science, 2008, , 332-339.	0.4	1
89	An Adaptive Automatic EEG Signal Segmentation Method Based on Generalized Likelihood Ratio. Communications in Computer and Information Science, 2014, , 172-180.	0.4	1
90	Enhancing Face Super-Resolution via Improving the Edge and Identity Preserving Network. , 2021, , .		1

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91	Evaluating diffusion-based image de-noising techniques. , 2007, , .		0
92	Proposing a light weight semi-distributed IDS for mobile ad-hoc network based on nodes' mode. , 2012, , .		0
93	High-speed MRF-based segmentation algorithm using pixonal images. Imaging Science Journal, 2013, 61, 592-600.	0.2	0
94	Text language identification using signal processing techniques. , 2017, , .		0
95	Robotic Networks in Applied Distributed Mechatronics Systems: Problems and Issues in Developments and Applications. , 2009, , .		0
96	A new image enhancement method considering both dynamic range and color constancy. Scientia Iranica, 2018, .	0.3	0
97	An Expanded MLP Neural Network for Fast Angiodysplasia Lesions Segmentation in Capsule Endoscopy Images. International Journal on Artificial Intelligence Tools, 2022, 31, .	0.7	0
98	WhisperNet: Deep Siamese Network For Emotion and Speech Tempo Invariant Visual-Only Lip-Based Biometric. , 2021, , .		0
99	Abnormalities detection in wireless capsule endoscopy images using EM algorithm. Visual Computer, 0, , .	2.5	0