

Mehran Yazdi

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

1,299
citations

623188

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92
all docs

92
docs citations

92
times ranked

1422
citing authors

#	ARTICLE	IF	CITATIONS
1	New trends on moving object detection in video images captured by a moving camera: A survey. Computer Science Review, 2018, 28, 157-177.	10.2	172
2	An adaptive approach to metal artifact reduction in helical computed tomography for radiation therapy treatment planning: Experimental and clinical studies. International Journal of Radiation Oncology Biology Physics, 2005, 62, 1224-1231.	0.4	142
3	Compression of Hyperspectral Images Using Discrete Wavelet Transform and Tucker Decomposition. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 444-450.	2.3	119
4	Panchromatic and Multispectral Image Fusion Based on Maximization of Both Spectral and Spatial Similarities. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 1976-1985.	2.7	90
5	Noise Reduction of Hyperspectral Images Using Kernel Non-Negative Tucker Decomposition. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 487-493.	7.3	82
6	A New Optimized Thresholding Method Using Ant Colony Algorithm for MR Brain Image Segmentation. Journal of Digital Imaging, 2019, 32, 162-174.	1.6	52
7	A lossless data hiding scheme for medical images using a hybrid solution based on IBRW error histogram computation and quartered interpolation with greedy weights. Neural Computing and Applications, 2018, 30, 2017-2028.	3.2	39
8	Robust cascaded skin detector based on AdaBoost. Multimedia Tools and Applications, 2019, 78, 2599-2620.	2.6	39
9	Steel Surface Defect Detection Using Texture Segmentation Based on Multifractal Dimension. , 2009, , .		33
10	Heterogeneity-Aware Local Binary Patterns for Retrieval of Histopathology Images. IEEE Access, 2019, 7, 18354-18367.	2.6	33
11	Enhanced Ultra-Sensitive Metamaterial Resonance Sensor based on Double Corrugated Metal stripe for Terahertz Sensing. Scientific Reports, 2019, 9, 7516.	1.6	31
12	An Effective Method for Segmentation of MR Brain Images Using the Ant Colony Optimization Algorithm. Journal of Digital Imaging, 2013, 26, 1116-1123.	1.6	26
13	A robust clustering method based on blind, naked mole-rats (BNMR) algorithm. Swarm and Evolutionary Computation, 2013, 10, 1-11.	4.5	24
14	An opposite view data replacement approach for reducing artifacts due to metallic dental objects. Medical Physics, 2011, 38, 2275-2281.	1.6	22
15	Segmentation of MR brain images using FCM improved by artificial bee colony (ABC) algorithm. , 2010, , .		21
16	An efficient algorithm for function optimization: modified stem cells algorithm. Open Engineering, 2013, 3, 36-50.	0.7	17
17	A Novel Image Fusion Method Using Curvelet Transform Based on Linear Dependency Test. , 2009, , .		16
18	Face image super-resolution via sparse representation and wavelet transform. Signal, Image and Video Processing, 2019, 13, 79-86.	1.7	15

#	ARTICLE	IF	CITATIONS
19	An Efficient Training Procedure for Viola-Jones Face Detector. , 2017, , .		14
20	An EKFâ€SVM machine learningâ€based approach for fault detection and classification in threeâ€phase power transformers. IET Science, Measurement and Technology, 2021, 15, 130-142.	0.9	14
21	An efficient image fusion method based on dual tree complex wavelet transform. , 2013, , .		13
22	Soccer Video Structure Analysis by Parallel Feature Fusion Network and Hidden-to-Observable Transferring Markov Model. IEEE Access, 2017, 5, 27322-27336.	2.6	13
23	A new hybrid algorithm for speckle noise reduction of SAR images based on mean-median filter and SRAD method. , 2015, , .		12
24	Stem Cells Optimization Algorithm. Lecture Notes in Computer Science, 2012, , 394-403.	1.0	12
25	A novel approach for reducing metal artifacts due to metallic dental implants. , 2006, , .		11
26	Hyperspectral image compression using 3D discrete cosine transform and support vector machine learning. , 2012, , .		11
27	Real-time object tracking based on an adaptive transition model and extended Kalman filter to handle full occlusion. Visual Computer, 2020, 36, 701-715.	2.5	11
28	Hyperspectral image compression based on Tucker Decomposition and Discrete Cosine Transform. , 2010, , .		10
29	Vision-based calibration of a Hexa parallel robot. Industrial Robot, 2014, 41, 296-310.	1.2	10
30	Performance Improvement in Brain Tumor Detection in MRI Images Using a Combination of Evolutionary Algorithms and Active Contour Method. Journal of Digital Imaging, 2021, 34, 1209-1224.	1.6	9
31	A powerful and efficient evolutionary optimization algorithm based on stem cells algorithm for data clustering. Open Computer Science, 2012, 2, 47-59.	1.3	8
32	Robust skin detector based on AdaBoost and statistical luminance features. , 2015, , .		8
33	Automatic segmentation of multiple sclerosis lesions in brain MRI using constrained GMM and genetic algorithm. , 2016, , .		8
34	Biologically inspired makeup detection system with application in face recognition. IET Biometrics, 2018, 7, 530-535.	1.6	8
35	A Systematic Training Procedure for Viola-Jones Face Detector in Heterogeneous Computing Architecture. Journal of Grid Computing, 2020, 18, 847-862.	2.5	8
36	Best rank-r tensor selection using Genetic Algorithm for better noise reduction and compression of Hyperspectral images. , 2010, , .		7

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37	Hyperspectral image compression based on tucker decomposition and wavelet transform. , 2011, , .		7
38	Real-time crowd behavior recognition in surveillance videos based on deep learning methods. Journal of Real-Time Image Processing, 2021, 18, 1669-1679.	2.2	7
39	Detection of epileptic seizure using wireless sensor networks. Journal of Medical Signals and Sensors, 2013, 3, 63-8.	0.5	7
40	A New Image Texture Segmentation Based on Contourlet Fractal Features. Arabian Journal for Science and Engineering, 2013, 38, 3437-3449.	1.1	6
41	A new fast method for foggy image enhancement. , 2016, , .		6
42	Alzheimer Disease Diagnosis from fMRI Images Based on Latent Low Rank Features and Support Vector Machine (SVM). Current Signal Transduction Therapy, 2021, 16, 171-177.	0.3	6
43	Improved IHS Pan-Sharpening Method Based on Adaptive Injection of Å€ trous Wavelet Decomposition. International Journal of Signal Processing, Image Processing and Pattern Recognition, 2016, 9, 291-308.	0.2	6
44	Remote sensing image fusion using Gramian as a rule of fusion. International Journal of Electronics, 2011, 98, 279-287.	0.9	5
45	Shot boundary detection with effective prediction of transitions' positions and spans by use of classifiers and adaptive thresholds. , 2016, , .		5
46	Multiclass histology image retrieval, classification using Riesz transform and local binary pattern features. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2020, 8, 595-607.	1.3	5
47	Real-time object tracking based on sparse representation and adaptive particle drawing. Visual Computer, 2022, 38, 849-869.	2.5	5
48	Automated segmentation of concrete images into microstructures: A comparative study. Computers and Concrete, 2014, 14, 315-325.	0.7	5
49	Fusion of panchromatic and multispectral images using temporal Fourier transform. IET Image Processing, 2010, 4, 255.	1.4	4
50	Metal artifact reduction in spiral fan-beam CT using a new sinogram segmentation scheme. Journal of X-Ray Science and Technology, 2017, 25, 737-749.	0.7	4
51	Classification of the Air Quality Level based on Analysis of the Sky Images. , 2019, , .		4
52	Hyperspectral Image Denoising Based on Superpixel Segmentation Low-Rank Matrix Approximation and Total Variation. Circuits, Systems, and Signal Processing, 2022, 41, 3372-3396.	1.2	4
53	Astrophysical Image Separation Using Independent Component Analysis. , 2009, , .		3
54	A block matching based method for moving object detection in active camera. , 2013, , .		3

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55	Persian logo recognition using local binary patterns. , 2017, , .		3
56	Combining real-valued and binary Gabor-Radon features for classification and search in medical imaging archives. , 2017, , .		3
57	A New Semantic and Statistical Distance-Based Anomaly Detection in Crowd Video Surveillance. Wireless Communications and Mobile Computing, 2021, 2021, 1-9.	0.8	3
58	Classification of autism spectrum disorders individuals and controls using phase and envelope features from resting-state fMRI data. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2022, 10, 55-66.	1.3	3
59	An Adaptive Watermarking Scheme Based on Morphological Binary Wavelet Decomposition. , 2006, , .		2
60	A new approach in super resolution based on an adaptive regularization parameter. , 2008, , .		2
61	Stationary image resolution enhancement on the basis of contourlet and wavelet transforms by means of the artificial neural network. , 2010, , .		2
62	Fast object tracking with long-term occlusions handling in dynamic scenes. , 2014, , .		2
63	A new edge-preserving algorithm based on the CIE- Lu"v" color space for color contrast enhancement. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 990-1006.	0.9	2
64	Regularized least-square object tracking based on $\hat{\alpha}$, "2,1 minimization. , 2015, , .		2
65	Design of a Pulsed-Terahertz Photoconductive Antenna for Spectroscopy Applications. , 2018, , .		2
66	Dynamic and Static Functional Network Connectivity Analysis in Autism: A Resting State fMRI Analysis. , 2019, , .		2
67	Exploiting object features in deep gaze prediction models. Journal of Visual Communication and Image Representation, 2020, 73, 102931.	1.7	2
68	Numerical Performance Analysis of Terahertz Spectroscopy Using an Ultra-Sensitive Resonance-Based Sensor. Frontiers in Physics, 2020, 8, .	1.0	2
69	Morphological analysis of spatio-temporal patterns for the segmentation of cyclic human activities. , 2004, , .		1
70	Detection of cyclic human activities based on the morphological analysis of the inter-frame similarity matrix. Real Time Imaging, 2005, 11, 219-232.	1.6	1
71	Log-Spectrum based RSTB invariant template matching with modified ICA. , 2010, , .		1
72	Recognizing Persian license plates in digital zoom condition. , 2010, , .		1

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73	Novel image registration method using gradient based algorithm along with multi-resolution wavelet transform. , 2010, , .		1
74	A new scheme of face image encoding through wireless fading channels using WBCT and Block thresholding. , 2010, , .		1
75	Enhanced real-time mean shift tracking by addressing object occlusion in IR imaging. , 2012, , .		1
76	Robust approach for people detection and tracking by stereo vision. , 2014, , .		1
77	Quality enhancement of low-resolution face images. , 2015, , .		1
78	A coarse to fine procedure for very precise and fast subpixel image registration in frequency domain. , 2015, , .		1
79	Superpixel tracking using Kalman filter. , 2017, , .		1
80	Skewed alpha-stable distribution for natural texture modeling and segmentation in contourlet domain. Eurasip Journal on Image and Video Processing, 2019, 2019, .	1.7	1
81	Astute, fine and fast method of iris segmentation in unlimited circumstances. Neural Computing and Applications, 2021, 33, 10961.	3.2	1
82	Instantaneous fMRI based cerebral parameters for automatic Alzheimer, mild cognitive impairment and healthy subject classification. Journal of Integrative Neuroscience, 2019, 18, 261.	0.8	1
83	An ECG classification based on modified local binary patterns: a novel approach. Research on Biomedical Engineering, 2021, 37, 617-630.	1.5	1
84	INTER-FRAME PREDICTION OF MEDICAL AND VIDEOPHONE SEQUENCES: A DEFORMABLE TRIANGLE-BASED APPROACH. International Journal of Image and Graphics, 2004, 04, 453-467.	1.2	0
85	Automatic identification of needle's entrance point and angle in Vertebroplasty. , 2009, , .		0
86	Block-Wise Background Subtraction Based on Gaussian Mixture Models. Applied Mechanics and Materials, 2014, 490-491, 1221-1227.	0.2	0
87	SMOR: A Semantic Multi-View Object Representation System in 2D Image Sequences. Arabian Journal for Science and Engineering, 2014, 39, 997-1005.	1.1	0
88	Modifying ARPS method by use of global motion information for fast and precise motion estimation. , 2015, , .		0
89	Fast and robust L0-tracker using compressive sensing. , 2015, , .		0
90	SU-EE-A4-06: A Novel Approach for Metal Artifacts Reduction Due to Tooth Filling. Medical Physics, 2006, 33, 1996-1996.	1.6	0

#	ARTICLE	IF	CITATIONS
91	SU-E-J-104: Developing a New Automatic Fast Algorithm for Recognizing the Seed Positions in Permanent Brachytherapy of Prostate. <i>Medical Physics</i> , 2013, 40, 174-174.	1.6	0
92	Metal Artifact Reduction in Dental Computed Tomography Images Based on Sinogram Segmentation Using Curvelet Transform Followed by Hough Transform. <i>Journal of Medical Signals and Sensors</i> , 2017, 7, 145-152.	0.5	0