

List of Publications by Year in descending order

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84
papers

960
citations

567144

15
h-index

501076

28
g-index

84
all docs

84
docs citations

84
times ranked

865
citing authors

#	ARTICLE	IF	CITATIONS
1	Stateful-CCSH: An Efficient Authentication Scheme for High-Resolution Video Surveillance System. IEEE Internet of Things Journal, 2022, 9, 19373-19386.	5.5	5
2	Efficient Source Camera Identification with Diversity-Enhanced Patch Selection and Deep Residual Prediction. Sensors, 2021, 21, 4701.	2.1	26
3	An Improved Sensor Pattern Noise Estimation Method Based on Edge Guided Weighted Averaging. Lecture Notes in Computer Science, 2020, , 405-415.	1.0	2
4	Application of signal processing for DNA sequence compression. IET Signal Processing, 2019, 13, 569-580.	0.9	4
5	Effective Source Camera Identification based on MSEPLL Denoising Applied to Small Image Patches. , 2019, , .		3
6	Clustering-Based Compression for Population DNA Sequences. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 208-221.	1.9	13
7	Automated Detection of Circulating Tumor Cells Using Faster Region Convolution Neural Network. Journal of Medical Imaging and Health Informatics, 2019, 9, 167-174.	0.2	5
8	PRNU-based source identification for network video surveillance system. , 2018, , .		3
9	A local variance based approach to alleviate the scene content interference for source camera identification. Digital Investigation, 2017, 22, 74-87.	3.2	6
10	Compressing population DNA sequences using multiple reference sequences. , 2017, , .		1
11	Portable vision screenings system. , 2017, , .		0
12	Learning via Decision Trees Approach for Video Super-Resolution. , 2017, , .		1
13	A novel dual-threshold SIFT-based copy-move forgery detection. , 2016, , .		0
14	An efficient automatic palm reading algorithm and its mobile applications development. , 2016, , .		1
15	Accurate Prior Modeling in the Locally Adaptive Window-Based Wavelet Denoising. Lecture Notes in Computer Science, 2016, , 523-533.	1.0	0
16	Use of sensor noise for source identification. , 2015, , .		0
17	Compression of Multiple DNA Sequences Using Intra-Sequence and Inter-Sequence Similarities. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2015, 12, 1322-1332.	1.9	11
18	Weighting optimization with neural network for photo-response-non-uniformity-based source camera identification. , 2014, , .		1

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19	Patch based image denoising using the finite ridgelet transform for less artifacts. Journal of Visual Communication and Image Representation, 2014, 25, 1006-1017.	1.7	13
20	A joint framework for missing values estimation and biclusters detection in gene expression data. International Journal of Bioinformatics Research and Applications, 2014, 10, 574.	0.1	1
21	Brain symmetry plane detection based on fractal analysis. Computerized Medical Imaging and Graphics, 2013, 37, 568-580.	3.5	20
22	A confidence map and pixel-based weighted correlation for PRNU-based camera identification. Digital Investigation, 2013, 10, 215-225.	3.2	22
23	Use of biclustering for missing value imputation in gene expression data. Artificial Intelligence Research, 2013, 2, .	0.3	8
24	Symmetry Plane Detection in Brain Image Analysis: A Survey. Current Medical Imaging, 2013, 9, 230-247.	0.4	4
25	A two dimensional camera identification method based on image sensor noise. , 2012, , .		4
26	Iterative bicluster-based least square framework for estimation of missing values in microarray gene expression data. Pattern Recognition, 2012, 45, 1281-1289.	5.1	48
27	Promoter prediction using DNA numerical representation and neural network: Case study with three organisms. , 2011, , .		0
28	DNA numerical representation and neural network based human promoter prediction system. , 2011, , .		3
29	Missing value imputation for gene expression data: computational techniques to recover missing data from available information. Briefings in Bioinformatics, 2011, 12, 498-513.	3.2	175
30	Recent Patents on Biclustering Algorithms for Gene Expression Data Analysis. Recent Patents on DNA & Gene Sequences, 2011, 5, 117-125.	0.7	4
31	Effective bi-directional people flow counting for real time surveillance system. , 2011, , .		18
32	Fast extraction of wavelet-based features from JPEG images for joint retrieval with JPEG2000 images. Pattern Recognition, 2010, 43, 3314-3323.	5.1	6
33	Fast video object detection via multiple background modeling. , 2010, , .		5
34	Statistical power of Fisher test for the detection of short periodic gene expression profiles. Pattern Recognition, 2009, 42, 549-556.	5.1	26
35	Cluster Analysis of Gene Expression Data. , 2009, , 289-296.		1
36	Image Compression Concepts Overview. , 2009, , 1805-1811.		0

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37	Content-Based Image Retrieval. , 2009, , 744-749.		1
38	A fast and low memory image coding algorithm based on lifting wavelet transform and modified SPIHT. Signal Processing: Image Communication, 2008, 23, 146-161.	1.8	28
39	Identification of coherent patterns in gene expression data using an efficient biclustering algorithm and parallel coordinate visualization. BMC Bioinformatics, 2008, 9, 210.	1.2	75
40	Efficient and low-complexity image coding with the lifting scheme and modified SPIHT. , 2008, , .		4
41	Cross chromosomal similarity for DNA sequence compression. Bioinformation, 2008, 2, 412-416.	0.2	9
42	Biclusters Visualization and Detection Using Parallel Coordinate Plots. AIP Conference Proceedings, 2007, , .	0.3	4
43	Statistical Detection of Short Periodic Gene Expression Time Series Profiles. AIP Conference Proceedings, 2007, , .	0.3	0
44	Study Of Inter-sequence Similarity For Multiple DNA Sequence Compression. AIP Conference Proceedings, 2007, , .	0.3	0
45	BiVisu: software tool for bicluster detection and visualization. Bioinformatics, 2007, 23, 2342-2344.	1.8	65
46	Lossless image compression using binary wavelet transform. IET Image Processing, 2007, 1, 353.	1.4	25
47	A Novel Fast and Reduced Redundancy Structure for Multiscale Directional Filter Banks. IEEE Transactions on Image Processing, 2007, 16, 2058-2068.	6.0	8
48	Multiscale directional filter bank with applications to structured and random texture retrieval. Pattern Recognition, 2007, 40, 1182-1194.	5.1	22
49	Unified feature analysis in JPEG and JPEG 2000-compressed domains. Pattern Recognition, 2007, 40, 2049-2062.	5.1	8
50	A filter design strategy for binary field wavelet transform using the perpendicular constraint. Signal Processing, 2007, 87, 2850-2858.	2.1	7
51	On relationship of Z-curve and Fourier approaches for DNA coding sequence classification. Bioinformation, 2006, 1, 242-246.	0.2	3
52	Direct image retrieval in JPEG and JPEG2000. , 2005, , .		0
53	POCS-based blocking artifacts suppression using a smoothness constraint set with explicit region modeling. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 795-800.	5.6	41
54	Study of filter properties for the directional filter bank. , 2005, , .		0

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55	Image segmentation based on adaptive cluster prototype estimation. IEEE Transactions on Fuzzy Systems, 2005, 13, 444-453.	6.5	64
56	Improved Scheme for Object Searching Using Moment Invariants. Lecture Notes in Computer Science, 2002, , 783-790.	1.0	0
57	An efficient computational scheme for the two-dimensional overcomplete wavelet transform. IEEE Transactions on Signal Processing, 2002, 50, 2806-2819.	3.2	7
58	Multiresolution discontinuity-preserving surface reconstruction. Pattern Recognition, 2001, 34, 2133-2144.	5.1	6
59	Successive structural analysis using wavelet transform for blocking artifacts suppression. Signal Processing, 2001, 81, 1373-1387.	2.1	11
60	Fast algorithm for over-complete wavelets. Electronics Letters, 2001, 37, 259.	0.5	2
61	Reconstruction from 2-D wavelet transform modulus maxima using projection. IET Computer Vision, 2000, 147, 176.	1.3	14
62	Progressive image coding based on visually important features. , 1999, , .		7
63	Wavelet maxima reconstruction by conjugate gradient. Electronics Letters, 1997, 33, 1928.	0.5	4
64	Direct reconstruction method for wavelet transform extrema representation. IET Computer Vision, 1997, 144, 193.	1.3	10
65	Multiple resolution image restoration. IET Computer Vision, 1997, 144, 199.	1.3	5
66	Blind deconvolution using least squares minimisation. Optics Communications, 1996, 128, 341-352.	1.0	22
67	Wavefront estimation at low light levels. Optics Communications, 1996, 126, 19-24.	1.0	26
68	Multiple frame projection based blind deconvolution. Electronics Letters, 1995, 31, 1734-1735.	0.5	6
69	Improved convergence of projection based blind deconvolution. Electronics Letters, 1995, 31, 1732-1733.	0.5	4
70	A fast and efficient computational structure for the 2D over-complete wavelet transform. , 0, , .		0
71	Adaptive shrinkage algorithm for ringing suppression with smoothness constraint. , 0, , .		0
72	Blocking artifacts removal with a successive structure analysis using wavelet transform. , 0, , .		0

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73	Suppression of ringing artifacts with an adaptive shrinkage algorithm. , 0, , .		0
74	Region-based object tracking for multipoint video conferencing using wavelet transform. , 0, , .		3
75	Fast algorithm for binary field wavelet transform for image processing. , 0, , .		1
76	Fast algorithm for quadratic and cubic spline wavelets. , 0, , .		1
77	Issues of filter design for binary wavelet transform. , 0, , .		5
78	A dynamic video combiner for multipoint video conferencing using wavelet transform. , 0, , .		1
79	Fast over-complete wavelet implementation for spline family. , 0, , .		0
80	Multiscale feature analysis using directional filter bank. , 0, , .		13
81	Unified feature analysis in different compressed domains. , 0, , .		4
82	Spatial-spectral feature analysis in JPEG and JPEG-2000. , 0, , .		1
83	Structured and random texture patterns characterization using multiscale directional filter bank. , 0, , .		2
84	Co-occurrence Features of Multi-scale Directional Filter Bank for Texture Characterization. , 0, , .		1