

Beijing Chen

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,953
citations

236925

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h-index

265206

42
g-index

54
all docs

54
docs citations

54
times ranked

1517
citing authors

#	ARTICLE	IF	CITATIONS
1	Color Image Analysis by Quaternion-Type Moments. Journal of Mathematical Imaging and Vision, 2015, 51, 124-144.	1.3	251
2	Robust color image watermarking technique in the spatial domain. Soft Computing, 2018, 22, 91-106.	3.6	159
3	Full 4-D quaternion discrete Fourier transform based watermarking for color images. , 2014, 28, 106-119.		107
4	Effective and Efficient Image Copy Detection with Resistance to Arbitrary Rotation. IEICE Transactions on Information and Systems, 2016, E99.D, 1531-1540.	0.7	104
5	Fractional Quaternion Zernike Moments for Robust Color Image Copy-Move Forgery Detection. IEEE Access, 2018, 6, 56637-56646.	4.2	80
6	No-reference quality assessment of deblocked images. Neurocomputing, 2016, 177, 572-584.	5.9	72
7	Fast Computation of Tchebichef Moments for Binary and Grayscale Images. IEEE Transactions on Image Processing, 2010, 19, 3171-3180.	9.8	70
8	Quaternion Bessel-Fourier moments and their invariant descriptors for object reconstruction and recognition. Pattern Recognition, 2014, 47, 603-611.	8.1	69
9	A new algorithm of blind color image watermarking based on LU decomposition. Multidimensional Systems and Signal Processing, 2018, 29, 1055-1074.	2.6	68
10	Color image watermarking based on quaternion Fourier transform and improved uniform log-polar mapping. Computers and Electrical Engineering, 2015, 46, 419-432.	4.8	65
11	Color image classification via quaternion principal component analysis network. Neurocomputing, 2016, 216, 416-428.	5.9	62
12	A Serial Image Copy-Move Forgery Localization Scheme With Source/Target Distinguishment. IEEE Transactions on Multimedia, 2021, 23, 3506-3517.	7.2	57
13	New Rapid and Robust Color Image Watermarking Technique in Spatial Domain. IEEE Access, 2019, 7, 30398-30409.	4.2	55
14	A Robust GAN-Generated Face Detection Method Based on Dual-Color Spaces and an Improved Xception. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3527-3538.	8.3	54
15	Kernel quaternion principal component analysis and its application in RGB-D object recognition. Neurocomputing, 2017, 266, 293-303.	5.9	52
16	Combined Invariants to Similarity Transformation and to Blur Using Orthogonal Zernike Moments. IEEE Transactions on Image Processing, 2011, 20, 345-360.	9.8	47
17	A novel blind color image watermarking based on Contourlet transform and Hessenberg decomposition. Multimedia Tools and Applications, 2017, 76, 8781-8801.	3.9	44
18	Quaternion pseudo-Zernike moments combining both of RGB information and depth information for color image splicing detection. Journal of Visual Communication and Image Representation, 2017, 49, 283-290.	2.8	44

#	ARTICLE	IF	CITATIONS
19	An improved color image watermarking scheme based on Schur decomposition. Multimedia Tools and Applications, 2017, 76, 24221-24249.	3.9	38
20	Quaternion discrete fractional random transform for color image adaptive watermarking. Multimedia Tools and Applications, 2018, 77, 20809-20837.	3.9	37
21	Locally GAN-generated face detection based on an improved Xception. Information Sciences, 2021, 572, 16-28.	6.9	37
22	Improved fuzzy clustering algorithm with non-local information for image segmentation. Multimedia Tools and Applications, 2017, 76, 7869-7895.	3.9	34
23	Multiple-parameter fractional quaternion Fourier transform and its application in colour image encryption. IET Image Processing, 2018, 12, 2238-2249.	2.5	33
24	An improved color image watermarking algorithm based on QR decomposition. Multimedia Tools and Applications, 2017, 76, 707-729.	3.9	30
25	Fractional quaternion cosine transform and its application in color image copy-move forgery detection. Multimedia Tools and Applications, 2019, 78, 8057-8073.	3.9	30
26	Detecting deepfake videos based on spatiotemporal attention and convolutional LSTM. Information Sciences, 2022, 601, 58-70.	6.9	29
27	Color Image Analysis by Quaternion Zernike Moments. , 2010, , .		26
28	Fast Computation of Sliding Discrete Tchebichef Moments and Its Application in Duplicated Regions Detection. IEEE Transactions on Signal Processing, 2015, 63, 5424-5436.	5.3	22
29	Removing Gaussian noise for colour images by quaternion representation and optimisation of weights in non-local means filter. IET Image Processing, 2014, 8, 591-600.	2.5	20
30	An Improved Splicing Localization Method by Fully Convolutional Networks. IEEE Access, 2018, 6, 69472-69480.	4.2	19
31	An Enhanced Extreme Learning Machine for Dissolved Oxygen Prediction in Wireless Sensor Networks. IEEE Access, 2020, 8, 198730-198739.	4.2	17
32	An improved fuzzy algorithm for image segmentation using peak detection, spatial information and reallocation. Soft Computing, 2017, 21, 2165-2173.	3.6	16
33	JSNet: A simulation network of JPEG lossy compression and restoration for robust image watermarking against JPEG attack. Computer Vision and Image Understanding, 2020, 197-198, 103015.	4.7	15
34	Image splicing localization using residual image and residual-based fully convolutional network. Journal of Visual Communication and Image Representation, 2020, 73, 102967.	2.8	11
35	Reconstruction of normal and albedo of convex Lambertian objects by solving ambiguity matrices using SVD and optimization method. Neurocomputing, 2016, 207, 95-104.	5.9	8
36	No-reference quality assessment of enhanced images. China Communications, 2016, 13, 121-130.	3.2	8

#	ARTICLE	IF	CITATIONS
37	An improved genetic algorithm for three-dimensional reconstruction from a single uniform texture image. <i>Soft Computing</i> , 2018, 22, 477-486.	3.6	8
38	A Quaternion Two-Stream R-CNN Network for Pixel-Level Color Image Splicing Localization. <i>Chinese Journal of Electronics</i> , 2021, 30, 1069-1079.	1.5	8
39	DIBR-Synthesized Image Quality Assessment via Statistics of Edge Intensity and Orientation. <i>IEICE Transactions on Information and Systems</i> , 2017, E100.D, 1929-1933.	0.7	7
40	Quaternion-type moments combining both color and depth information for RGB-D object recognition. , 2016, , .		5
41	Detection of content-aware image resizing based on Benford's law. <i>Soft Computing</i> , 2017, 21, 5693-5701.	3.6	5
42	Color image splicing localization algorithm by quaternion fully convolutional networks and superpixel-enhanced pairwise conditional random field. <i>Mathematical Biosciences and Engineering</i> , 2019, 16, 6907-6922.	1.9	5
43	Color-Enriched Gradient Similarity for Retouched Image Quality Evaluation. <i>IEICE Transactions on Information and Systems</i> , 2016, E99.D, 773-776.	0.7	4
44	A dual-branch neural network for DeepFake video detection by detecting spatial and temporal inconsistencies. <i>Multimedia Tools and Applications</i> , 2022, 81, 42591-42606.	3.9	4
45	Face recognition by fusing binary edge feature and second-order mutual information. , 2008, , .		3
46	Internet-oriented optimization schemes for joint compression and encryption. <i>China Communications</i> , 2015, 12, 158-168.	3.2	3
47	Fairness in secure computing protocols based on incentives. <i>Soft Computing</i> , 2016, 20, 3947-3955.	3.6	3
48	Rational adversary with flexible utility in secure two-party computation. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 2913-2927.	4.9	3
49	Real-time COVID-19 detection over chest x-ray images in edge computing. <i>Computational Intelligence</i> , 0, , .	3.2	2
50	Weighted Multiple Instance-Based Deep Correlation Filter for Video Tracking Processing. <i>IEEE Access</i> , 2019, 7, 161220-161230.	4.2	1
51	Embedding Guided End-to-End Framework for Robust Image Watermarking. <i>Security and Communication Networks</i> , 2022, 2022, 1-11.	1.5	1