Sos Agaian

List of Publications by Year
in descending order

63
papers	2,924
citations	394421
19
h-index	276875
41
g-index
64
all docs	64
docs citations	64
times ranked	2256
citing authors

#	Article	IF	Citations
1	Human-Visual-System-Inspired Underwater Image Quality Measures. IEEE Journal of Oceanic Engineering, 2016, 41, 541-551.	3.8	733
2	Local Shannon entropy measure with statistical tests for image randomness. Information Sciences, 2013, 222, 323-342.	6.9	480
3	Nonlinear Unsharp Masking for Mammogram Enhancement. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 918-928.	3.2	166
4	No reference color image contrast and quality measures. IEEE Transactions on Consumer Electronics, 2013, 59, 643-651.	3.6	164
5	Design of image cipher using latin squares. Information Sciences, 2014, 264, 317-339.	6.9	156
6	Automatic COVID-19 lung infected region segmentation and measurement using CT-scans images. Pattern Recognition, 2021, 114, 107747.	8.1	143
7	Image encryption using P-Fibonacci transform and decomposition. Optics Communications, 2012, 285, 594-608.	2.1	120
8	Automated Screening System for Acute Myelogenous Leukemia Detection in Blood Microscopic Images. IEEE Systems Journal, 2014, 8, 995-1004.	4.6	118
9	Parameterized Logarithmic Framework for Image Enhancement. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 460-473.	5.0	114
10	Computer-Aided Prostate Cancer Diagnosis From Digitized Histopathology: A Review on Texture-Based Systems. IEEE Reviews in Biomedical Engineering, 2015, 8, 98-113.	18.0	90
11	(n, k, p)-Gray code for image systems. IEEE Transactions on Cybernetics, 2013, 43, 515-529.	9.5	74
12	Tufts Dental Database: A Multimodal Panoramic X-Ray Dataset for Benchmarking Diagnostic Systems. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1650-1659.	6.3	39
13	Choosing the Optimal Spatial Domain Measure of Enhancement for Mammogram Images. International Journal of Biomedical Imaging, 2014, 2014, 1-8.	3.9	36
14	A symmetric image cipher using wave perturbations. Signal Processing, 2014, 102, 122-131.	3.7	32
15	A new acute leukaemia-automated classification system. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2018, 6, 303-314.	1.9	32
16	A Robust No-Reference, No-Parameter, Transform Domain Image Quality Metric for Evaluating the Quality of Color Images. IEEE Access, 2018, 6, 10979-10985.	4.2	28
17	A wheel-switch chaotic system for image encryption. , 2011, , .		27
18	Two Fibonacci P-code based image scrambling algorithms. , 2008, , .		25

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19	Sequence-to-Sequence Similarity-Based Filter for Image Denoising. IEEE Sensors Journal, 2016, 16, 4380-4388.	4.7	25
20	TMO-Net: A Parameter-Free Tone Mapping Operator Using Generative Adversarial Network, and Performance Benchmarking on Large Scale HDR Dataset. IEEE Access, 2021, 9, 39500-39517.	4.2	25
21	Image encryption using the Sudoku matrix. Proceedings of SPIE, 2010, , .	0.8	24
22	No reference color image quality measures. , 2013, , .		23
23	Human visual system based mammogram enhancement and analysis. , 2010, , .		22
24	A New Unified Impulse Noise Removal Algorithm Using a New Reference Sequence-to-Sequence Similarity Detector. IEEE Access, 2018, 6, 37225-37236.	4.2	22
25	Automated Detection of COVID-19 Cases on Radiographs using Shape-Dependent Fibonacci-p Patterns. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1852-1863.	6.3	20
26	2D Sudoku associated bijections for image scrambling. Information Sciences, 2016, 327, 91-109.	6.9	19
27	A New Reference-Based Edge Map Quality Measure. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1505-1517.	9.3	15
28	Novel multi-color transfer algorithms and quality measure. IEEE Transactions on Consumer Electronics, 2016, 62, 292-300.	3.6	13
29	Virtual Reality visualization for computerized COVID-19 lesion segmentation and interpretation. Biomedical Signal Processing and Control, 2022, 73, 103371.	5.7	13
30	A Robust Line Segmentation Algorithm for Arabic Printed Text with Diacritics. IS&T International Symposium on Electronic Imaging, 2017, 2017, 42-47.	0.4	12
31	Implementation of Digital Electronic Arithmetics and its application in image processing. Computers and Electrical Engineering, 2010, 36, 424-434.	4.8	11
32	A human visual â€œno-referenceâ€·image quality measure. IEEE Instrumentation and Measurement Magazine, 2016, 19, 34-38.	1.6	11
33	Cross-entropy Histogram Equalization. , 2014, , .		10
34	Face recognition based on logarithmic local binary patterns. Proceedings of SPIE, 2013, , .	0.8	8
35	TDMEC, a new measure for evaluating the image quality of color images acquired in vision systems. , 2015, , .		7
36	An adaptive text-line extraction algorithm for printed Arabic documents with diacritics. Multimedia Tools and Applications, 2021, 80, 2177-2204.	3.9	7

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37	Fast Hue-Division-Based Selective Color Transfer. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 2853-2866.	8.3	6
38	COVI3D: Automatic COVID-19 CT Image-Based Classification and Visualization Platform Utilizing Virtual and Augmented Reality Technologies. Diagnostics, 2022, 12, 649.	2.6	6
39	A non-reference measure for objective edge map evaluation. , 2009, , .		5
40	Automatic lumen segmentation in CT and PC-MR images of abdominal aortic aneurysm. , 2012, , .		5
41	Practical Recognition System for Text Printed on Clear Reflected Material. , 2012, 2012, 1-16.		5
42	Thermal imaging in fuzzy condition monitoring. , 2014, , .		4
43	New edge detection algorithms using alpha weighted quadratic filter. , 2011, , .		3
44	Parametric rational unsharp masking for image enhancement. Proceedings of SPIE, 2014, , .	0.8	3
45	A Novel Technique to Enhance Low Resolution CT and Magnetic Resonance Images in Cloud. , 2016, , .		3
46	Arabic License Plate Recognition System. Journal of Signal Processing Theory and Applications, 0, , .	0.0	3
47	Unsupervised and optimized thermal image quality enhancement and visual surveillance applications. Signal Processing: Image Communication, 2022, 105, 116714.	3.2	3
48	Border Crossing Detection and Tracking through Localized Image Processing. , 2008, , .		2
49	Three dimensional alpha weighted quadratic filter based image color contrast enhancement. Proceedings of SPIE, 2013, , .	0.8	2
50	Color image attribute and quality measurements. Proceedings of SPIE, 2014, , .	0.8	2
51	Color image retrieval and analysis using image color measures. Proceedings of SPIE, 2015, , .	0.8	2
52	Initial Evaluation of Computer-Assisted Radiologic Assessment for Renal Mass Edge Detection as an Indication of Tumor Roughness to Predict Renal Cancer Subtypes. Advances in Urology, 2019, 2019, 1-8.	1.3	2
53	Multiscale Convolutional Descriptor Aggregation for Visual Place Recognition. IS&T International Symposium on Electronic Imaging, 2020, 32, 313-1-313-7.	0.4	2
54	Neural network–based image quality comparator without collecting the human score for training. IET Image Processing, 2020, 14, 1787-1793.	2.5	1

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55	Autonomous facial recognition based on the human visual system. , 2015, , .		0
56	A no reference image quality measure using a distance doubling variance. , 2015, , .		0
57	Coefficients training methods for image and video quality measures. , 2015, , .		0
58	A new color transfer quality measure. Proceedings of SPIE, 2016, , .	0.8	0
59	Application of local binary pattern and human visual Fibonacci texture features for classification different medical images. , 2017, , .		0
60	A human visual based binarization technique for histological images. , 2017, , .		0
61	Automatic Frame-Cut Detection for Self-Diagnostics of Video Surveillance Systems. , 2018, , .		0
62	Enhanced head-mounted eye tracking data analysis using super-resolution. IS&T International Symposium on Electronic Imaging, 2019, 2019, 647-1-647-8.	0.4	0
63	Impulse Noise Detector Performance Measure Based on Intensity Volume. Journal of Signal Processing Systems, 2020, 92, 425-434.	2.1	0