

Nader Karimi

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

665
citations

759233

12
h-index

713466

21
g-index

58
all docs

58
docs citations

58
times ranked

690
citing authors

#	ARTICLE	IF	CITATIONS
1	ReDMark: Framework for residual diffusion watermarking based on deep networks. Expert Systems With Applications, 2020, 146, 113157.	7.6	111
2	Extraction of skin lesions from non-dermoscopic images for surgical excision of melanoma. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 1021-1030.	2.8	62
3	Fast exposure fusion using exposedness function. , 2017, , .		35
4	Dense pooling layers in fully convolutional network for skin lesion segmentation. Computerized Medical Imaging and Graphics, 2019, 78, 101658.	5.8	35
5	Boosted Dictionary Learning for Image Compression. IEEE Transactions on Image Processing, 2016, 25, 4900-4915.	9.8	29
6	Liver Segmentation in CT Images Using Three Dimensional to Two Dimensional Fully Convolutional Network. , 2018, , .		28
7	Vessel segmentation and catheter detection in X-ray angiograms using superpixels. Medical and Biological Engineering and Computing, 2018, 56, 1515-1530.	2.8	26
8	Robust image watermarking scheme using bit-plane of hadamard coefficients. Multimedia Tools and Applications, 2018, 77, 2033-2055.	3.9	24
9	Low Complexity Convolutional Neural Network for Vessel Segmentation in Portable Retinal Diagnostic Devices. , 2018, , .		22
10	Context-aware saliency detection for image retargeting using convolutional neural networks. Multimedia Tools and Applications, 2021, 80, 11917-11941.	3.9	21
11	Image retargeting using depth assisted saliency map. Signal Processing: Image Communication, 2017, 50, 34-43.	3.2	19
12	Blind Stereo Quality Assessment Based on Learned Features From Binocular Combined Images. IEEE Transactions on Multimedia, 2017, 19, 2475-2489.	7.2	17
13	Detection of COVID-19 in X-ray images by classification of bag of visual words using neural networks. Biomedical Signal Processing and Control, 2021, 68, 102750.	5.7	17
14	Adaptive Specular Reflection Detection and Inpainting in Colonoscopy Video Frames. , 2018, , .		16
15	Adaptive Real-Time Removal of Impulse Noise in Medical Images. Journal of Medical Systems, 2018, 42, 216.	3.6	16
16	Detection of abnormalities in mammograms using deep features. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 5355-5367.	4.9	16
17	Aggregation of Rich Depth-Aware Features in a Modified Stacked Generalization Model for Single Image Depth Estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 683-697.	8.3	16
18	Hierarchical Pruning for Simplification of Convolutional Neural Networks in Diabetic Retinopathy Classification. , 2019, 2019, 970-973.		12

#	ARTICLE	IF	CITATIONS
19	Blind stereo image quality assessment inspired by brain sensory-motor fusion. , 2019, 91, 91-104.		12
20	Modeling Teacher-Student Techniques in Deep Neural Networks for Knowledge Distillation. , 2020, , .		12
21	Modeling of Pruning Techniques for Simplifying Deep Neural Networks. , 2020, , .		11
22	Elevating watermark robustness by data diffusion in Contourlet coefficients. , 2012, , .		9
23	Pyramidal modeling of geometric distortions for retargeted image quality evaluation. Multimedia Tools and Applications, 2018, 77, 13799-13820.	3.9	8
24	Image Inpainting by Hyperbolic Selection of Pixels for Two-Dimensional Bicubic Interpolations. , 2018, , .		8
25	Classification of diabetic retinopathy using unlabeled data and knowledge distillation. Artificial Intelligence in Medicine, 2021, 121, 102176.	6.5	8
26	Exploiting Uncertainty of Deep Neural Networks for Improving Segmentation Accuracy in MRI Images. , 2019, , .		7
27	Adaptive image watermarking using human perception based fuzzy inference system. Journal of Intelligent and Fuzzy Systems, 2018, 35, 4589-4608.	1.4	6
28	Low computational complexity hardware implementation of Laplacian Pyramid. , 2010, , .		5
29	View-Invariant Fall Detection System Based on Silhouette Area and Orientation. , 2012, , .		5
30	Stereo image watermarking method based on binocular just noticeable difference. , 2014, , .		5
31	Retinal blood vessel segmentation for macula detachment surgery monitoring instruments. International Journal of Circuit Theory and Applications, 2018, 46, 1166-1180.	2.0	5
32	Hierarchical watermarking framework based on analysis of local complexity variations. Multimedia Tools and Applications, 2018, 77, 30865-30890.	3.9	4
33	Convolutional Neural Network Pruning Using Filter Attenuation. , 2020, , .		4
34	BlessMark: a blind diagnostically-lossless watermarking framework for medical applications based on deep neural networks. Multimedia Tools and Applications, 2020, 79, 22473-22495.	3.9	4
35	Robust Watermarking in Singular Values of Contourlet Coefficients. , 2011, , .		3
36	Lossless compression of mammographic images with region-based predictor selection. IEEE Transactions on Electrical and Electronic Engineering, 2013, 8, 478-482.	1.4	3

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37	Error compensation and hardware reduction of fixed point 2-D Gaussian filter. , 2015, , .		3
38	Real-time removal of impulse noise from MR images for radiosurgery applications. International Journal of Circuit Theory and Applications, 2019, 47, 406-426.	2.0	3
39	Blind image watermarking based on local analysis of gradients. , 2017, , .		3
40	A new quantization algorithm for fir filters coefficients. , 2012, , .		2
41	Multi focus image fusion using categorization of energy levels. , 2014, , .		2
42	Abnormality detection of mammograms by discriminative dictionary learning on DSIFT descriptors. , 2017, 2017, 1740-1743.		2
43	Context-Aware Saliency Map Generation Using Semantic Segmentation. , 2018, , .		2
44	RIBBONS: Rapid Inpainting Based on Browsing of Neighborhood Statistics. , 2018, , .		2
45	Image Seam-Carving by Controlling Positional Distribution of Seams. , 2020, , .		2
46	Simplified Neural Network Based on Auxiliary Layer and Adaptive Pruning Rate. , 2018, , .		1
47	An Abstraction of Semantic Segmentation Algorithms. , 2020, , .		1
48	Weighted Fuzzy-Based PSNR for Watermark Visual Quality Evaluation. , 2021, , .		1
49	Low bit rate image compression by two layer wavelet and contourlet transforms. , 2010, , .		0
50	Image noise reduction by low complexity hardware median filter. , 2013, , .		0
51	Blind image quality assessment based on natural scene statistics. , 2014, , .		0
52	Image seam carving based on content importance and depth maps. , 2014, , .		0
53	Improvement on target detection and localization in camera sensor network. , 2016, , .		0
54	Structuring of Contourlet Transform for Pipeline-Based Implementation. Circuits, Systems, and Signal Processing, 2016, 35, 953-976.	2.0	0

#	ARTICLE	IF	CITATIONS
55	Artistic Instance-Aware Image Filtering by Convolutional Neural Networks. , 2018, , .		0
56	A General Framework for Saliency Detection Methods. , 2020, , .		0
57	Robustness and Imperceptibility Enhancement in Watermarked Images by Color Transformation. , 2020, , .		0
58	No-reference stereo image quality assessment based on discriminative sparse representation. Multimedia Tools and Applications, 2021, 80, 33033-33053.	3.9	0