Nader Karimi

List of Publications by Year
in descending order

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	Detection of abnormalities in mammograms using deep features. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 5355-5367.	4.9	16
2	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
3	No-reference stereo image quality assessment based on discriminative sparse representation. Multimedia Tools and Applications, 2021, 80, 33033-33053.	3.9	0
4	Classification of diabetic retinopathy using unlabeled data and knowledge distillation. Artificial Intelligence in Medicine, 2021, 121, 102176.	6.5	8
5	Context-aware saliency detection for image retargeting using convolutional neural networks. Multimedia Tools and Applications, 2021, 80, 11917-11941.	3.9	21
6	Weighted Fuzzy-Based PSNR for Watermark Visual Quality Evaluation. , 2021, , .		1
7	ReDMark: Framework for residual diffusion watermarking based on deep networks. Expert Systems With Applications, 2020, 146, 113157.	7.6	111
8	Modeling of Pruning Techniques for Simplifying Deep Neural Networks. , 2020, , .		11
9	Modeling Teacher-Student Techniques in Deep Neural Networks for Knowledge Distillation. , 2020, , .		12
10	Image Seam-Carving by Controlling Positional Distribution of Seams. , 2020, , .		2
11	Convolutional Neural Network Pruning Using Filter Attenuation. , 2020, , .		4
12	A General Framework for Saliency Detection Methods. , 2020, , .		0
13	An Abstraction of Semantic Segmentation Algorithms. , 2020, , .		1
14	Robustness and Imperceptibility Enhancement in Watermarked Images by Color Transformation. , 2020, , .		0
15	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
16	Hierarchical Pruning for Simplification of Convolutional Neural Networks in Diabetic Retinopathy Classification. , 2019, 2019, 970-973.		12
17	Dense pooling layers in fully convolutional network for skin lesion segmentation. Computerized Medical Imaging and Graphics, 2019, 78, 101658.	5.8	35
18	Exploiting Uncertainty of Deep Neural Networks for Improving Segmentation Accuracy in MRI Images. , 2019, , .		7

#	Article	IF	Citations
19	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
20	Blind stereo image quality assessment inspired by brain sensory-motor fusion. , 2019, 91, 91-104.		12
21	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
22	Vessel segmentation and catheter detection in X-ray angiograms using superpixels. Medical and Biological Engineering and Computing, 2018, 56, 1515-1530.	2.8	26
23	Retinal blood vessel segmentation for macula detachment surgery monitoring instruments. International Journal of Circuit Theory and Applications, 2018, 46, 1166-1180.	2.0	5
24	Robust image watermarking scheme using bit-plane of hadamard coefficients. Multimedia Tools and Applications, 2018, 77, 2033-2055.	3.9	24
25	Pyramidal modeling of geometric distortions for retargeted image quality evaluation. Multimedia Tools and Applications, 2018, 77, 13799-13820.	3.9	8
26	Artistic Instance-Aware Image Filtering by Convolutional Neural Networks. , 2018, , .		0
27	Simplified Neural Network Based on Auxiliary Layer and Adaptive Pruning Rate. , 2018, , .		1
28	Context-Aware Saliency Map Generation Using Semantic Segmentation. , 2018, , .		2
29	Adaptive Specular Reflection Detection and Inpainting in Colonoscopy Video Frames. , 2018, , .		16
30	Image Inpainting by Hyperbolic Selection of Pixels for Two-Dimensional Bicubic Interpolations. , 2018, , .		8
31	Adaptive image watermarking using human perception based fuzzy inference system. Journal of Intelligent and Fuzzy Systems, 2018, 35, 4589-4608.	1.4	6
32	Low Complexity Convolutional Neural Network for Vessel Segmentation in Portable Retinal Diagnostic Devices. , 2018, , .		22
33	Adaptive Real-Time Removal of Impulse Noise in Medical Images. Journal of Medical Systems, 2018, 42, 216.	3.6	16
34	RIBBONS: Rapid Inpainting Based on Browsing of Neighborhood Statistics. , 2018, , .		2
35	Liver Segmentation in CT Images Using Three Dimensional to Two Dimensional Fully Convolutional Network. , 2018, , .		28
36	Hierarchical watermarking framework based on analysis of local complexity variations. Multimedia Tools and Applications, 2018, 77, 30865-30890.	3.9	4

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37	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
38	Blind Stereo Quality Assessment Based on Learned Features From Binocular Combined Images. IEEE Transactions on Multimedia, 2017, 19, 2475-2489.	7.2	17
39	Image retargeting using depth assisted saliency map. Signal Processing: Image Communication, 2017, 50, 34-43.	3.2	19
40	Abnormality detection of mammograms by discriminative dictionary learning on DSIFT descriptors. , 2017, 2017, 1740-1743.		2
41	Fast exposure fusion using exposedness function. , 2017, , .		35
42	Blind image watermarking based on local analysis of gradients. , 2017, , .		3
43	Improvement on target detection and localization in camera sensor network. , 2016, , .		0
44	Boosted Dictionary Learning for Image Compression. IEEE Transactions on Image Processing, 2016, 25, 4900-4915.	9.8	29
45	Structuring of Contourlet Transform for Pipeline-Based Implementation. Circuits, Systems, and Signal Processing, 2016, 35, 953-976.	2.0	0
46	Error compensation and hardware reduction of fixed point 2-D Gaussian filter. , 2015, , .		3
47	Multi focus image fusion using categorization of energy levels. , 2014, , .		2
48	Blind image quality assessment based on natural scene statistics. , 2014, , .		0
49	Stereo image watermarking method based on binocular just noticeable difference. , 2014, , .		5
50	Image seam carving based on content importance and depth maps. , 2014, , .		0
51	Lossless compression of mammographic images with regionâ€based predictor selection. IEEJ Transactions on Electrical and Electronic Engineering, 2013, 8, 478-482.	1.4	3
52	Image noise reduction by low complexity hardware median filter. , 2013, , .		0
53	A new quantization algorithm for fir filters coefficients. , 2012, , .		2
54	Elevating watermark robustness by data diffusion in Contourlet coefficients. , 2012, , .		9

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55	View-Invariant Fall Detection System Based on Silhouette Area and Orientation. , 2012, , .		5
56	Robust Watermarking in Singular Values of Contourlet Coefficients. , 2011, , .		3
57	Low computational complexity hardware implementation of Laplacian Pyramid. , 2010, , .		5
58	Low bit rate image compression by two layer wavelet and contourlet transforms. , 2010, , .		0