Shaode Yu

List of Publications by Year
in descending order

50 papers	821 citations	516710 16 h-index	552781 26 g-index
51 all docs	51 docs citations	51 times ranked	992 citing authors

#	Article	IF	Citations
1	Comparison of Transferred Deep Neural Networks in Ultrasonic Breast Masses Discrimination. BioMed Research International, 2018, 2018, 1-9.	1.9	107
2	A Technical Review of Convolutional Neural Network-Based Mammographic Breast Cancer Diagnosis. Computational and Mathematical Methods in Medicine, 2019, 2019, 1-16.	1.3	75
3	Breast mass lesion classification in mammograms by transfer learning. , 2017, , .		51
4	Iterative image-domain ring artifact removal in cone-beam CT. Physics in Medicine and Biology, 2017, 62, 5276-5292.	3.0	42
5	A shallow convolutional neural network for blind image sharpness assessment. PLoS ONE, 2017, 12, e0176632.	2.5	39
6	Decreased Subcortical and Increased Cortical Degree Centrality in a Nonclinical College Student Sample with Subclinical Depressive Symptoms: A Resting-State fMRI Study. Frontiers in Human Neuroscience, 2016, 10, 617.	2.0	36
7	Estimating PM2.5 concentrations in Yangtze River Delta region of China using random forest model and the Top-of-Atmosphere reflectance. Journal of Environmental Management, 2020, 272, 111061.	7.8	36
8	Transferring deep neural networks for the differentiation of mammographic breast lesions. Science China Technological Sciences, 2019, 62, 441-447.	4.0	35
9	Can Signal-to-Noise Ratio Perform as a Baseline Indicator for Medical Image Quality Assessment. IEEE Access, 2018, 6, 11534-11543.	4.2	33
10	Robustness study of noisy annotation in deep learning based medical image segmentation. Physics in Medicine and Biology, 2020, 65, 175007.	3.0	27
11	An edge-directed interpolation method for fetal spine MR images. BioMedical Engineering OnLine, 2013, 12, 102.	2.7	25
12	Alterations of Regional Homogeneity in Parkinson's Disease Patients With Freezing of Gait: A Resting-State fMRI Study. Frontiers in Aging Neuroscience, 2019, 11, 276.	3.4	24
13	Nonrigid Registration of Lung CT Images Based on Tissue Features. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-7.	1.3	23
14	A consistency evaluation of signal-to-noise ratio in the quality assessment of human brain magnetic resonance images. BMC Medical Imaging, 2018, 18, 17.	2.7	21
15	Altered Global Synchronizations in Patients With Parkinson's Disease: A Resting-State fMRI Study. Frontiers in Aging Neuroscience, 2019, 11, 139.	3.4	21
16	Efficient Segmentation of a Breast in B-Mode Ultrasound Tomography Using Three-Dimensional GrabCut (GC3D). Sensors, 2017, 17, 1827.	3.8	19
17	Feature and Contrast Enhancement of Mammographic Image Based on Multiscale Analysis and Morphology. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-8.	1.3	18
18	Investigation on the Neural Mechanism of thyc="10?"Hypnosis-Basedthyc?="" Respiratory Control Using Functional MRI. Contrast Media and Molecular Imaging, 2018, 2018, 1-11.	0.8	16

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19	Scatter correction for a clinical cone‑beam CT system using an optimized stationary beam blocker in a single scan. Medical Physics, 2019, 46, 3165-3179.	3.0	14
20	Edge preservation ratio for image sharpness assessment. , 2016, , .		11
21	Self-supervised CT super-resolution with hybrid model. Computers in Biology and Medicine, 2021, 138, 104775.	7.0	11
22	Performance evaluation of edge-directed interpolation methods for noise-free images. , 2013, , .		10
23	A novel design of ultrafast micro-CT system based on carbon nanotube: A feasibility study in phantom. Physica Medica, 2016, 32, 1302-1307.	0.7	10
24	Increased interhemispheric functional connectivity in college students with non-clinical depressive symptoms in resting state. Neuroscience Letters, 2015, 589, 67-72.	2.1	9
25	Alterations of the amplitude of low-frequency fluctuation in healthy subjects with theta-burst stimulation of the cortex of the suprahyoid muscles. Neuroscience, 2017, 365, 48-56.	2.3	9
26	Shading correction for volumetric CT using deep convolutional neural network and adaptive filter. Quantitative Imaging in Medicine and Surgery, 2019, 9, 1242-1254.	2.0	8
27	Intermittent Theta-Burst Stimulation Reverses the After-Effects of Contralateral Virtual Lesion on the Suprahyoid Muscle Cortex: Evidence From Dynamic Functional Connectivity Analysis. Frontiers in Neuroscience, 2019, 13, 309.	2.8	8
28	CNN-GRNN for Image Sharpness Assessment. Lecture Notes in Computer Science, 2017, , 50-61.	1.3	8
29	Linear-fitting-based similarity coefficient map for tissue dissimilarity analysis in -w magnetic resonance imaging. Chinese Physics B, 2015, 24, 128711.	1.4	7
30	Evaluation of realistic blurring image quality by using a shallow convolutional neural network. , 2017, , .		7
31	A Matlab Toolbox for Feature Importance Ranking. , 2019, , .		7
32	matFR: a MATLAB toolbox for feature ranking. Bioinformatics, 2020, 36, 4968-4969.	4.1	7
33	Applications of edge preservation ratio in image processing. , 2014, , .		6
34	No-reference video quality assessment based on modeling temporal-memory effects. Displays, 2021, 70, 102075.	3.7	6
35	Evaluation of no-reference models to assess image sharpness. , 2017, , .		5
36	Automatic Segmentation of Ultrasound Tomography Image. BioMed Research International, 2017, 2017, 1-8.	1.9	5

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37	Coupled Temporal Fluctuation and Global Signal Synchronization of Spontaneous Brain Activity in Hypnosis for Respiration Control: An fMRI Study. Neuroscience, 2020, 429, 56-67.	2.3	5
38	Automatic Mapping Extraction from Multiecho T2-Star Weighted Magnetic Resonance Images for Improving Morphological Evaluations in Human Brain. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-7.	1.3	3
39	Real-Time Patient Table Removal in CT Images. Lecture Notes in Computer Science, 2016, , 1-8.	1.3	3
40	To Align Multimodal Lumbar Spine Images via Bending Energy Constrained Normalized Mutual Information. BioMed Research International, 2020, 2020, 1-11.	1.9	3
41	Using signal-to-noise ratio to connect the quality assessment of natural and medical images. , 2018, , .		3
42	Multiscale X-ray image contrast enhancement based on limited adaptive histogram equalization. , 2013, , .		2
43	Explicit vascular reconstruction based on adjacent vector projection. Bioengineered, 2016, 7, 365-371.	3.2	2
44	A SVM Based Relevance Feedback Algorithm for 3D Model Retrieval. , 2010, , .		1
45	Salient Region Guided Blind Image Sharpness Assessment. Sensors, 2021, 21, 3963.	3.8	1
46	Feasibility Study of Signal Similarity Measurements for Improving Morphological Evaluation of Human Brain with Images from Multi-Echo T2-Star Weighted MR Sequences. Lecture Notes in Computer Science, 2014, , 237-247.	1.3	1
47	Improved GrabCut for Human Brain Computerized Tomography Image Segmentation. Lecture Notes in Computer Science, 2016, , 22-30.	1.3	1
48	Signal correlation measure in multi-echo T$_2$â—-w MR images. , 2016, , .		0
49	Estimating fetal brain motion with total-variation-based magnetic resonance image registration. , 2016, , .		0
50	Comparison of regression functions in a shallow convolutional neural network for natural image sharpness assessment. , 2018, , .		0