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	Salient Region Guided Blind Image Sharpness Assessment. Sensors, 2021, 21, 3963.	3.8	1
2	Self-supervised CT super-resolution with hybrid model. Computers in Biology and Medicine, 2021, 138, 104775.	7.0	11
3	No-reference video quality assessment based on modeling temporal-memory effects. Displays, 2021, 70, 102075.	3.7	6
4	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
5	Robustness study of noisy annotation in deep learning based medical image segmentation. Physics in Medicine and Biology, 2020, 65, 175007.	3.0	27
6	matFR: a MATLAB toolbox for feature ranking. Bioinformatics, 2020, 36, 4968-4969.	4.1	7
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	To Align Multimodal Lumbar Spine Images via Bending Energy Constrained Normalized Mutual Information. BioMed Research International, 2020, 2020, 1-11.	1.9	3
9	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
10	Altered Global Synchronizations in Patients With Parkinsonâ€™s Disease: A Resting-State fMRI Study. Frontiers in Aging Neuroscience, 2019, 11, 139.	3.4	21
11	Alterations of Regional Homogeneity in Parkinsonâ€™s Disease Patients With Freezing of Gait: A Resting-State fMRI Study. Frontiers in Aging Neuroscience, 2019, 11, 276.	3.4	24
12	Scatter correction for a clinical coneâ€beam CT system using an optimized stationary beam blocker in a single scan. Medical Physics, 2019, 46, 3165-3179.	3.0	14
13	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
14	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
15	A Matlab Toolbox for Feature Importance Ranking. , 2019, , .		7
16	Transferring deep neural networks for the differentiation of mammographic breast lesions. Science China Technological Sciences, 2019, 62, 441-447.	4.0	35
17	Can Signal-to-Noise Ratio Perform as a Baseline Indicator for Medical Image Quality Assessment. IEEE Access, 2018, 6, 11534-11543.	4.2	33
18	Comparison of Transferred Deep Neural Networks in Ultrasonic Breast Masses Discrimination. BioMed Research International, 2018, 2018, 1-9.	1.9	107

#	Article	IF	Citations
19	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
20	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
21	Comparison of regression functions in a shallow convolutional neural network for natural image sharpness assessment. , 2018, , .		0
22	Using signal-to-noise ratio to connect the quality assessment of natural and medical images. , 2018, , .		3
23	Breast mass lesion classification in mammograms by transfer learning. , 2017, , .		51
24	Evaluation of realistic blurring image quality by using a shallow convolutional neural network. , 2017, , .		7
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	Evaluation of no-reference models to assess image sharpness. , 2017, , .		5
27	Efficient Segmentation of a Breast in B-Mode Ultrasound Tomography Using Three-Dimensional GrabCut (GC3D). Sensors, 2017, 17, 1827.	3.8	19
28	Automatic Segmentation of Ultrasound Tomography Image. BioMed Research International, 2017, 2017, 1-8.	1.9	5
29	CNN-GRNN for Image Sharpness Assessment. Lecture Notes in Computer Science, 2017, , 50-61.	1.3	8
30	Iterative image-domain ring artifact removal in cone-beam CT. Physics in Medicine and Biology, 2017, 62, 5276-5292.	3.0	42
31	A shallow convolutional neural network for blind image sharpness assessment. PLoS ONE, 2017, 12, e0176632.	2.5	39
32	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
33	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
34	Signal correlation measure in multi-echo T<inf>2</inf>â^—-w MR images. , 2016, , .		0
35	Estimating fetal brain motion with total-variation-based magnetic resonance image registration. , 2016, , .		0
36	Edge preservation ratio for image sharpness assessment. , 2016, , .		11

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37	Explicit vascular reconstruction based on adjacent vector projection. Bioengineered, 2016, 7, 365-371.	3.2	2
38	Real-Time Patient Table Removal in CT Images. Lecture Notes in Computer Science, 2016, , 1-8.	1.3	3
39	Improved GrabCut for Human Brain Computerized Tomography Image Segmentation. Lecture Notes in Computer Science, 2016, , 22-30.	1.3	1
40	Linear-fitting-based similarity coefficient map for tissue dissimilarity analysis in -w magnetic resonance imaging. Chinese Physics B, 2015, 24, 128711.	1.4	7
41	Increased interhemispheric functional connectivity in college students with non-clinical depressive symptoms in resting state. Neuroscience Letters, 2015, 589, 67-72.	2.1	9
42	Applications of edge preservation ratio in image processing. , 2014, , .		6
43	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
44	An edge-directed interpolation method for fetal spine MR images. BioMedical Engineering OnLine, 2013, 12, 102.	2.7	25
45	Performance evaluation of edge-directed interpolation methods for noise-free images. , 2013, , .		10
46	Multiscale X-ray image contrast enhancement based on limited adaptive histogram equalization. , 2013, , .		2
47	Nonrigid Registration of Lung CT Images Based on Tissue Features. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-7.	1.3	23
48	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
49	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
50	A SVM Based Relevance Feedback Algorithm for 3D Model Retrieval. , 2010, , .		1