

Wenjun Tan

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

578
citations

623188

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713013

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69
all docs

69
docs citations

69
times ranked

525
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing dynamic ECG heartbeat classification with lightweight transformer model. Artificial Intelligence in Medicine, 2022, 124, 102236.	3.8	32
2	Segmentation of lung airways based on deep learning methods. IET Image Processing, 2022, 16, 1444-1456.	1.4	16
3	A hybrid approach based on deep learning and level set formulation for liver segmentation in CT images. Journal of Applied Clinical Medical Physics, 2022, 23, .	0.8	6
4	Deep Learning With Radiomics for Disease Diagnosis and Treatment: Challenges and Potential. Frontiers in Oncology, 2022, 12, 773840.	1.3	42
5	Neural activities classification of left and right finger gestures during motor execution and motor imagery. Brain-Computer Interfaces, 2021, 8, 117-127.	0.9	12
6	A method of VR-EEG scene cognitive rehabilitation training. Health Information Science and Systems, 2021, 9, 4.	3.4	11
7	Automatic Sleep Spindle Detection and Analysis in Patients with Sleep Disorders. Communications in Computer and Information Science, 2021, , 113-124.	0.4	0
8	Classification of COVID-19 pneumonia from chest CT images based on reconstructed super-resolution images and VGG neural network. Health Information Science and Systems, 2021, 9, 10.	3.4	31
9	EEG-Based Anxious States Classification Using Affective BCI-Based Closed Neurofeedback System. Journal of Medical and Biological Engineering, 2021, 41, 155-164.	1.0	19
10	Segmentation of pulmonary vessels based on MSFM method. , 2021, , .		0
11	Segmentation of Pulmonary Parenchyma from Pulmonary CT Based on ResU-Net++ Model. Journal of Medical Imaging and Health Informatics, 2021, 11, 760-766.	0.2	3
12	Brain Patterns During Single- and Dual-Task Leg Movements. Journal of Medical Imaging and Health Informatics, 2021, 11, 781-788.	0.2	3
13	The Correlation of ELP4-PAX6 With Rolandic Spike Sources in Idiopathic Rolandic Epilepsy Syndromes. Frontiers in Neurology, 2021, 12, 643964.	1.1	4
14	Classification of COVID-19 Chest CT Images Based on Ensemble Deep Learning. Journal of Healthcare Engineering, 2021, 2021, 1-7.	1.1	34
15	A Pulmonary Artery-Vein Separation Algorithm Based on the Relationship between Subtrees Information. Journal of Healthcare Engineering, 2021, 2021, 1-8.	1.1	3
16	Automated vessel segmentation in lung CT and CTA images via deep neural networks. Journal of X-Ray Science and Technology, 2021, 29, 1123-1137.	0.7	15
17	Analysis of segmentation of lung parenchyma based on deep learning methods. Journal of X-Ray Science and Technology, 2021, 29, 945-959.	0.7	18
18	A Pulmonary Vascular Extraction Algorithm from Chest CT/CTA Images. Journal of Healthcare Engineering, 2021, 2021, 1-7.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Quadcopter Robot Control Based on Hybrid Brain-Computer Interface System. Sensors and Materials, 2020, 32, 991.	0.3	26
20	Segmentation of Lung Parenchyma Based on FPN++Mask R-CNN Model. , 2020, , .		0
21	An atlas based level set method for 3D brain structures segmentation. , 2020, , .		0
22	A Pulmonary Artery-Vein Separation algorithm based on the relationship between sub-trees. , 2020, , .		0
23	Automatic hippocampus segmentation based on convolutional neural networks and level set model. , 2020, , .		0
24	The Effect of The Number of Sensor Coils on Sensitivity in Electromagnetic Tomography. , 2020, , .		0
25	Automated Thalamus Segmentation in MR Images Using Convolutional Networks. , 2020, , .		0
26	A Review of the Application of Virtual Reality Technology in the Diagnosis and Treatment of Cognitive Impairment. Frontiers in Aging Neuroscience, 2019, 11, 280.	1.7	48
27	An Approach to Extraction Midsagittal Plane of Skull From Brain CT Images for Oral and Maxillofacial Surgery. IEEE Access, 2019, 7, 118203-118217.	2.6	13
28	Analysis of light-induced degradation in inverted perovskite solar cells under short-circuited conditions. Organic Electronics, 2019, 71, 123-130.	1.4	22
29	An Approach for Pulmonary Vascular Extraction from Chest CT Images. Journal of Healthcare Engineering, 2019, 2019, 1-11.	1.1	18
30	The Mixed Kernel Function SVM-Based Point Cloud Classification. International Journal of Precision Engineering and Manufacturing, 2019, 20, 737-747.	1.1	20
31	A Segmentation Method of Lung Parenchyma From Chest CT Images Based on Dual U-Net. , 2019, , .		3
32	A Review of Intelligent Image Processing Method of Pulmonary CT Images. , 2019, , .		1
33	Cascaded Conditional Generative Adversarial Networks With Multi-Scale Attention Fusion for Automated Bi-Ventricle Segmentation in Cardiac MRI. IEEE Access, 2019, 7, 172305-172320.	2.6	10
34	Flexible all-solid-state supercapacitors of polyaniline nanowire arrays deposited on electrospun carbon nanofibers decorated with MOFs. Nanotechnology, 2019, 30, 085404.	1.3	35
35	Local Motion Intensity Clustering (LMIC) Model for Segmentation of Right Ventricle in Cardiac MRI Images. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 723-730.	3.9	13
36	Pulmonary Vascular Segmentation Algorithm Based on Fractional Differential Enhancement. Advances in Intelligent Systems and Computing, 2019, , 1262-1274.	0.5	0

#	ARTICLE	IF	CITATIONS
37	VR Technology-Based Intelligent Cognitive Rehabilitation System for Alzheimer's Disease. Lecture Notes in Computer Science, 2019, , 213-223.	1.0	0
38	Synthesis of organosoluble copolyimide and preparation of fibers by dry-spinning process on a large scale. High Performance Polymers, 2018, 30, 1193-1202.	0.8	4
39	A Pulmonary Vascular Segmentation Algorithm of Chest CT Images Based on Fast Marching Method. , 2018, , .		0
40	An Extracting Method of Symmetry Plane from Head CT images for Surgery Based on OBB and Image Mutual Information. , 2018, , .		0
41	Computer assisted system for precise lung surgery based on medical image computing and mixed reality. Health Information Science and Systems, 2018, 6, 10.	3.4	6
42	Automated airway segmentation from chest ct images combined uniform and local intensities and airway topology structure. , 2018, , .		0
43	Level set framework of multi-atlas label fusion with applications to magnetic resonance imaging segmentation of brain region of interests and cardiac left ventricles. Digital Medicine, 2017, 3, 76.	0.1	7
44	A Fast GPU Based High-Quality Three-Dimensional Visualization Method. , 2016, , .		0
45	An Automatic Method to Extract Brain Tissue in CT Data. , 2016, , .		1
46	A Robust Energy Minimization Algorithm for MS-Lesion Segmentation. Lecture Notes in Computer Science, 2015, 9474, 521-530.	1.0	1
47	Accurate airway centerline extraction based on topological thinning using graph-theoretic analysis. Bio-Medical Materials and Engineering, 2014, 24, 3239-3249.	0.4	8
48	Fast 3D skeleton extraction of airways and applications to virtual bronchoscopy. , 2014, , .		1
49	Automatic Extraction of 3D Airway Tree from Multislice Computed Tomography Images. Journal of Medical Imaging and Health Informatics, 2014, 4, 768-775.	0.2	8
50	Fully automatic extraction of lung parenchyma from CT scans. , 2014, , .		2
51	Research on the separation process model of pressure swing adsorption for CO ₂ /N ₂ with zeolite molecular sieve. , 2014, , .		1
52	Improved Hessian multiscale enhancement filter. Bio-Medical Materials and Engineering, 2014, 24, 3267-3275.	0.4	17
53	Hand Gesture Shape Descriptor Based on Energy-Ratio and Normalized Fourier Transform's Coefficients. Lecture Notes in Computer Science, 2014, , 34-41.	1.0	0
54	Gesture segmentation based on YCb'Cr' color space ellipse fitting skin color modeling. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
55	A novel method for automated segmentation of airway tree. , 2012, , .		3
56	Segmentation of Hippocampus in MRI Images Based on the Improved Level Set. , 2011, , .		3
57	A novel approach to hand gesture contour detection based on GVF Snake model and skin color elliptical model. , 2010, , .		4
58	A method of dynamic hand gesture detection based on local background updates and skin color model. , 2010, , .		3
59	A novel interactive method of virtual reality system based on hand gesture recognition. , 2009, , .		4
60	Recognition of dynamic hand gesture based on SCHMM model. , 2009, , .		2
61	Hand extraction using geometric moments based on active skin color model. , 2009, , .		4
62	Scene classification based on gray level-gradient co-occurrence matrix in the neighborhood of interest points. , 2009, , .		7
63	Research on Robotic Popular Science System Based on LEGO Bricks. , 2008, , .		1
64	Research on Robotic Education Based on LEGO Bricks. , 2008, , .		7
65	A Novel Approach to 2-D Shape Representation Based on Equilateral Polygonal Approximation. , 2008, , .		4
66	An Improved Algorithm of Hand Gesture Recognition under Intricate Background. Lecture Notes in Computer Science, 2008, , 786-794.	1.0	13