

# Wenjun Tan

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

578  
citations

623188

14  
h-index

713013

21  
g-index

69  
all docs

69  
docs citations

69  
times ranked

525  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A Review of the Application of Virtual Reality Technology in the Diagnosis and Treatment of Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 280.                     | 1.7 | 48        |
| 2  | Deep Learning With Radiomics for Disease Diagnosis and Treatment: Challenges and Potential. <i>Frontiers in Oncology</i> , 2022, 12, 773840.  | 1.3 | 42        |
| 3  | Flexible all-solid-state supercapacitors of polyaniline nanowire arrays deposited on electrospun carbon nanofibers decorated with MOFs. <i>Nanotechnology</i> , 2019, 30, 085404.             | 1.3 | 35        |
| 4  | Classification of COVID-19 Chest CT Images Based on Ensemble Deep Learning. <i>Journal of Healthcare Engineering</i> , 2021, 2021, 1-7.   | 1.1 | 34        |
| 5  | Enhancing dynamic ECG heartbeat classification with lightweight transformer model. <i>Artificial Intelligence in Medicine</i> , 2022, 124, 102236.  | 3.8 | 32        |
| 6  | Classification of COVID-19 pneumonia from chest CT images based on reconstructed super-resolution images and VGG neural network. <i>Health Information Science and Systems</i> , 2021, 9, 10. | 3.4 | 31        |
| 7  | Quadcopter Robot Control Based on Hybrid Brain-Computer Interface System. <i>Sensors and Materials</i> , 2020, 32, 991.   | 0.3 | 26        |
| 8  | Analysis of light-induced degradation in inverted perovskite solar cells under short-circuited conditions. <i>Organic Electronics</i> , 2019, 71, 123-130.                                    | 1.4 | 22        |
| 9  | The Mixed Kernel Function SVM-Based Point Cloud Classification. <i>International Journal of Precision Engineering and Manufacturing</i> , 2019, 20, 737-747.                                  | 1.1 | 20        |
| 10 | EEG-Based Anxious States Classification Using Affective BCI-Based Closed Neurofeedback System. <i>Journal of Medical and Biological Engineering</i> , 2021, 41, 155-164.                      | 1.0 | 19        |
| 11 | An Approach for Pulmonary Vascular Extraction from Chest CT Images. <i>Journal of Healthcare Engineering</i> , 2019, 2019, 1-11.  | 1.1 | 18        |
| 12 | Analysis of segmentation of lung parenchyma based on deep learning methods. <i>Journal of X-Ray Science and Technology</i> , 2021, 29, 945-959.   | 0.7 | 18        |
| 13 | Improved Hessian multiscale enhancement filter. <i>Bio-Medical Materials and Engineering</i> , 2014, 24, 3267-3275.   | 0.4 | 17        |
| 14 | Segmentation of lung airways based on deep learning methods. <i>IET Image Processing</i> , 2022, 16, 1444-1456.   | 1.4 | 16        |
| 15 | Automated vessel segmentation in lung CT and CTA images via deep neural networks. <i>Journal of X-Ray Science and Technology</i> , 2021, 29, 1123-1137.                                       | 0.7 | 15        |
| 16 | An Approach to Extraction Midsagittal Plane of Skull From Brain CT Images for Oral and Maxillofacial Surgery. <i>IEEE Access</i> , 2019, 7, 118203-118217.                                    | 2.6 | 13        |
| 17 | Local Motion Intensity Clustering (LMIC) Model for Segmentation of Right Ventricle in Cardiac MRI Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 723-730.       | 3.9 | 13        |
| 18 | An Improved Algorithm of Hand Gesture Recognition under Intricate Background. <i>Lecture Notes in Computer Science</i> , 2008, , 786-794.   | 1.0 | 13        |

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|----|---|-----|-----------|
| 19 | Neural activities classification of left and right finger gestures during motor execution and motor imagery. <i>Brain-Computer Interfaces</i> , 2021, 8, 117-127.   | 0.9 | 12        |
| 20 | A method of VR-EEG scene cognitive rehabilitation training. <i>Health Information Science and Systems</i> , 2021, 9, 4.   | 3.4 | 11        |
| 21 | Cascaded Conditional Generative Adversarial Networks With Multi-Scale Attention Fusion for Automated Bi-Ventricle Segmentation in Cardiac MRI. <i>IEEE Access</i> , 2019, 7, 172305-172320.                   | 2.6 | 10        |
| 22 | Accurate airway centerline extraction based on topological thinning using graph-theoretic analysis. <i>Bio-Medical Materials and Engineering</i> , 2014, 24, 3239-3249.                                       | 0.4 | 8         |
| 23 | Automatic Extraction of 3D Airway Tree from Multislice Computed Tomography Images. <i>Journal of Medical Imaging and Health Informatics</i> , 2014, 4, 768-775.   | 0.2 | 8         |
| 24 | Research on Robotic Education Based on LEGO Bricks. , 2008, , .   |     | 7         |
| 25 | Scene classification based on gray level-gradient co-occurrence matrix in the neighborhood of interest points. , 2009, , .  |     | 7         |
| 26 | Level set framework of multi-atlas label fusion with applications to magnetic resonance imaging segmentation of brain region of interests and cardiac left ventricles. <i>Digital Medicine</i> , 2017, 3, 76. | 0.1 | 7         |
| 27 | Computer assisted system for precise lung surgery based on medical image computing and mixed reality. <i>Health Information Science and Systems</i> , 2018, 6, 10.  | 3.4 | 6         |
| 28 | A hybrid approach based on deep learning and level set formulation for liver segmentation in CT images. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, .                                      | 0.8 | 6         |
| 29 | A Novel Approach to 2-D Shape Representation Based on Equilateral Polygonal Approximation. , 2008, , .  |     | 4         |
| 30 | A novel interactive method of virtual reality system based on hand gesture recognition. , 2009, , .   |     | 4         |
| 31 | Hand extraction using geometric moments based on active skin color model. , 2009, , .   |     | 4         |
| 32 | A novel approach to hand gesture contour detection based on GVF Snake model and skin color elliptical model. , 2010, , .  |     | 4         |
| 33 | Gesture segmentation based on YCb'Cr' color space ellipse fitting skin color modeling. , 2012, , .  |     | 4         |
| 34 | Synthesis of organosoluble copolyimide and preparation of fibers by dry-spinning process on a large scale. <i>High Performance Polymers</i> , 2018, 30, 1193-1202.  | 0.8 | 4         |
| 35 | The Correlation of ELP4-PAX6 With Rolandic Spike Sources in Idiopathic Rolandic Epilepsy Syndromes. <i>Frontiers in Neurology</i> , 2021, 12, 643964.   | 1.1 | 4         |
| 36 | A method of dynamic hand gesture detection based on local background updates and skin color model. , 2010, , .  |     | 3         |

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|----|--|-----|-----------|
| 37 | Segmentation of Hippocampus in MRI Images Based on the Improved Level Set. , 2011, , .   |     | 3         |
| 38 | A novel method for automated segmentation of airway tree. , 2012, , .  |     | 3         |
| 39 | A Segmentation Method of Lung Parenchyma From Chest CT Images Based on Dual U-Net. , 2019, , .   |     | 3         |
| 40 | 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         |
| 41 | Brain Patterns During Single- and Dual-Task Leg Movements. Journal of Medical Imaging and Health Informatics, 2021, 11, 781-788.                         | 0.2 | 3         |
| 42 | A Pulmonary Artery-Vein Separation Algorithm Based on the Relationship between Subtrees Information. Journal of Healthcare Engineering, 2021, 2021, 1-8. | 1.1 | 3         |
| 43 | Recognition of dynamic hand gesture based on SCHMM model. , 2009, , .  |     | 2         |
| 44 | Fully automatic extraction of lung parenchyma from CT scans. , 2014, , .   |     | 2         |
| 45 | A Pulmonary Vascular Extraction Algorithm from Chest CT/CTA Images. Journal of Healthcare Engineering, 2021, 2021, 1-7.                                  | 1.1 | 2         |
| 46 | Research on Robotic Popular Science System Based on LEGO Bricks. , 2008, , .   |     | 1         |
| 47 | Fast 3D skeleton extraction of airways and applications to virtual bronchoscopy. , 2014, , .   |     | 1         |
| 48 | Research on the separation process model of pressure swing adsorption for CO <sub>2</sub> /N <sub>2</sub> with zeolite molecular sieve. , 2014, , .      |     | 1         |
| 49 | An Automatic Method to Extract Brain Tissue in CT Data. , 2016, , .  |     | 1         |
| 50 | A Review of Intelligent Image Processing Method of Pulmonary CT Images. , 2019, , .  |     | 1         |
| 51 | A Robust Energy Minimization Algorithm for MS-Lesion Segmentation. Lecture Notes in Computer Science, 2015, 9474, 521-530.                               | 1.0 | 1         |
| 52 | A Fast GPU Based High-Quality Three-Dimensional Visualization Method. , 2016, , .  |     | 0         |
| 53 | A Pulmonary Vascular Segmentation Algorithm of Chest CT Images Based on Fast Marching Method. , 2018, , .  |     | 0         |
| 54 | An Extracting Method of Symmetry Plane from Head CT images for Surgery Based on OBB and Image Mutual Information. , 2018, , .                            |     | 0         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Automatic Sleep Spindle Detection and Analysis in Patients with Sleep Disorders. Communications in Computer and Information Science, 2021, , 113-124.     | 0.4 | 0         |
| 56 | Segmentation of pulmonary vessels based on MSFM method. , 2021, , .   |     | 0         |
| 57 | 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         |
| 58 | Automated airway segmentation from chest ct images combined uniform and local intensities and airway topology structure. , 2018, , .                      |     | 0         |
| 59 | Pulmonary Vascular Segmentation Algorithm Based on Fractional Differential Enhancement. Advances in Intelligent Systems and Computing, 2019, , 1262-1274. | 0.5 | 0         |
| 60 | VR Technology-Based Intelligent Cognitive Rehabilitation System for Alzheimer's Disease. Lecture Notes in Computer Science, 2019, , 213-223.              | 1.0 | 0         |
| 61 | Segmentation of Lung Parenchyma Based on FPN++Mask R-CNN Model. , 2020, , .   |     | 0         |
| 62 | An atlas based level set method for 3D brain structures segmentation. , 2020, , .   |     | 0         |
| 63 | A Pulmonary Artery-Vein Separation algorithm based on the relationship between sub-trees. , 2020, , .   |     | 0         |
| 64 | Automatic hippocampus segmentation based on convolutional neural networks and level set model. , 2020, , .  |     | 0         |
| 65 | The Effect of The Number of Sensor Coils on Sensitivity in Electromagnetic Tomography. , 2020, , .  |     | 0         |
| 66 | Automated Thalamus Segmentation in MR Images Using Convolutional Networks. , 2020, , .  |     | 0         |