Hongkai Wang

List of Publications by Year
in descending order

27 papers	387 citations	1040056 9 h-index	794594 19 g-index
28 all docs	28 docs citations	28 times ranked	597 citing authors

#	Article	IF	Citations
1	Comparison of machine learning methods for classifying mediastinal lymph node metastasis of non-small cell lung cancer from 18F-FDG PET/CT images. EJNMMI Research, 2017, 7, 11.	2.5	194
2	Biodistribution and Radiation Dosimetry of the Enterobacteriaceae-Specific Imaging Probe [18F]Fluorodeoxysorbitol Determined by PET/CT in Healthy Human Volunteers. Molecular Imaging and Biology, 2016, 18, 782-787.	2.6	31
3	3D-SIFT-Flow for atlas-based CT liver image segmentation. Medical Physics, 2016, 43, 2229-2241.	3.0	20
4	A wavelet-based single-view reconstruction approach for cone beam x-ray luminescence tomography imaging. Biomedical Optics Express, 2014, 5, 3848.	2.9	18
5	Excitation-resolved cone-beam x-ray luminescence tomography. Journal of Biomedical Optics, 2015, 20, 070501.	2.6	15
6	Deformable torso phantoms of Chinese adults for personalized anatomy modelling. Journal of Anatomy, 2018, 233, 121-134.	1.5	13
7	Deformable Head Atlas of Chinese Adults Incorporating Inter-Subject Anatomical Variations. IEEE Access, 2018, 6, 51392-51400.	4.2	10
8	Bioluminescence tomography with structural information estimated via statistical mouse atlas registration. Biomedical Optics Express, 2018, 9, 3544.	2.9	9
9	Dual-modality multi-atlas segmentation of torso organs from [18F]FDG-PET/CT images. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 473-482.	2.8	9
10	Statistical Evaluation of Radiofrequency Exposure during Magnetic Resonant Imaging: Application of Whole-Body Individual Human Model and Body Motion in the Coil. International Journal of Environmental Research and Public Health, 2019, 16, 1069.	2.6	9
11	Classification of Benign and Malignant Breast Mass in Digital Mammograms with Convolutional Neural Networks. , 2018, , .		7
12	Prediction of major torso organs in low-contrast micro-CT images of mice using a two-stage deeply supervised fully convolutional network. Physics in Medicine and Biology, 2019, 64, 245014.	3.0	7
13	Applied anatomy and three-dimensional visualization of the tendon-bone junctions of the knee joint posterolateral complex. Annals of Anatomy, 2020, 229, 151413.	1.9	7
14	Bioluminescence tomography reconstruction in conjunction with an organ probability map as an anatomical reference. Biomedical Optics Express, 2022, 13, 1275.	2.9	7
15	Population-specific brain [18F]-FDG PET templates of Chinese subjects for statistical parametric mapping. Scientific Data, 2021, 8, 305.	5.3	6
16	Estimation of thyroid volume from scintigraphy through 2D/3D registration of a statistical shape model. Physics in Medicine and Biology, 2019, 64, 095015.	3.0	4
17	Automated brain structures segmentation from PET/CT images based on landmark-constrained dual-modality atlas registration. Physics in Medicine and Biology, 2021, 66, 095003.	3.0	4
18	Non-stationary reconstruction for dynamic fluorescence molecular tomography with extended kalman filter. Biomedical Optics Express, 2016, 7, 4527.	2.9	3

#	Article	IF	Citations
19	Metabolic Brain Network Analysis of Hypothyroidism Symptom Based on [18F]FDG-PET of Rats. Molecular Imaging and Biology, 2018, 20, 789-797.	2.6	3
20	A novel supervised learning method to generate CT images for attenuation correction in delayed pet scans. Computer Methods and Programs in Biomedicine, 2020, 197, 105764.	4.7	3
21	AnatomySketch: An Extensible Open-Source Software Platform for Medical Image Analysis Algorithm Development. Journal of Digital Imaging, 2022, 35, 1623-1633.	2.9	3
22	Inter-Subject Shape Correspondence Computation From Medical Images Without Organ Segmentation. IEEE Access, 2019, 7, 130772-130781.	4.2	2
23	A Novel Merged Strategy with Deformation Field Reconstruction for Constructing Statistical Shape Models. , 2019, , .		1
24	A Statistical Model of Spine Shape and Material for Population-Oriented Biomechanical Simulation. IEEE Access, 2021, 9, 155805-155814.	4.2	1
25	Continuous Estimation of Left Ventricular Hemodynamic Parameters Based on Heart Sound and PPG Signals Using Deep Neural Network. , 2020, , .		1
26	Automatic Segmentation of Pulmonary Lobes in Pulmonary CT Images using Atlas-based Unsupervised Learning Network. , 2020, , .		0
27	Shape and Intensity Combined Statistical Atlas Registration for Torso Organ Segmentation from Mouse Mirco-CT Images. , 2022, , .		0