

Hongkai Wang

List of Publications by Year in descending order

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27
papers

387
citations

1040056

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28
all docs

28
docs citations

28
times ranked

597
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioluminescence tomography reconstruction in conjunction with an organ probability map as an anatomical reference. <i>Biomedical Optics Express</i> , 2022, 13, 1275.	2.9	7
2	Shape and Intensity Combined Statistical Atlas Registration for Torso Organ Segmentation from Mouse Micro-CT Images. , 2022, , .		0
3	AnatomySketch: An Extensible Open-Source Software Platform for Medical Image Analysis Algorithm Development. <i>Journal of Digital Imaging</i> , 2022, 35, 1623-1633.	2.9	3
4	Automated brain structures segmentation from PET/CT images based on landmark-constrained dual-modality atlas registration. <i>Physics in Medicine and Biology</i> , 2021, 66, 095003.	3.0	4
5	Population-specific brain [18F]-FDG PET templates of Chinese subjects for statistical parametric mapping. <i>Scientific Data</i> , 2021, 8, 305.	5.3	6
6	A Statistical Model of Spine Shape and Material for Population-Oriented Biomechanical Simulation. <i>IEEE Access</i> , 2021, 9, 155805-155814.	4.2	1
7	Applied anatomy and three-dimensional visualization of the tendon-bone junctions of the knee joint posterolateral complex. <i>Annals of Anatomy</i> , 2020, 229, 151413.	1.9	7
8	A novel supervised learning method to generate CT images for attenuation correction in delayed pet scans. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 197, 105764.	4.7	3
9	Automatic Segmentation of Pulmonary Lobes in Pulmonary CT Images using Atlas-based Unsupervised Learning Network. , 2020, , .		0
10	Continuous Estimation of Left Ventricular Hemodynamic Parameters Based on Heart Sound and PPG Signals Using Deep Neural Network. , 2020, , .		1
11	Inter-Subject Shape Correspondence Computation From Medical Images Without Organ Segmentation. <i>IEEE Access</i> , 2019, 7, 130772-130781.	4.2	2
12	Dual-modality multi-atlas segmentation of torso organs from [18F]FDG-PET/CT images. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 473-482.	2.8	9
13	Estimation of thyroid volume from scintigraphy through 2D/3D registration of a statistical shape model. <i>Physics in Medicine and Biology</i> , 2019, 64, 095015.	3.0	4
14	Statistical Evaluation of Radiofrequency Exposure during Magnetic Resonant Imaging: Application of Whole-Body Individual Human Model and Body Motion in the Coil. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1069.	2.6	9
15	A Novel Merged Strategy with Deformation Field Reconstruction for Constructing Statistical Shape Models. , 2019, , .		1
16	Prediction of major torso organs in low-contrast micro-CT images of mice using a two-stage deeply supervised fully convolutional network. <i>Physics in Medicine and Biology</i> , 2019, 64, 245014.	3.0	7
17	Deformable torso phantoms of Chinese adults for personalized anatomy modelling. <i>Journal of Anatomy</i> , 2018, 233, 121-134.	1.5	13
18	Metabolic Brain Network Analysis of Hypothyroidism Symptom Based on [18F]FDG-PET of Rats. <i>Molecular Imaging and Biology</i> , 2018, 20, 789-797.	2.6	3

#	ARTICLE	IF	CITATIONS
19	Classification of Benign and Malignant Breast Mass in Digital Mammograms with Convolutional Neural Networks. , 2018, , .		7
20	Deformable Head Atlas of Chinese Adults Incorporating Inter-Subject Anatomical Variations. IEEE Access, 2018, 6, 51392-51400.	4.2	10
21	Bioluminescence tomography with structural information estimated via statistical mouse atlas registration. Biomedical Optics Express, 2018, 9, 3544.	2.9	9
22	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
23	3D-SIFT-Flow for atlas-based CT liver image segmentation. Medical Physics, 2016, 43, 2229-2241.	3.0	20
24	Non-stationary reconstruction for dynamic fluorescence molecular tomography with extended kalman filter. Biomedical Optics Express, 2016, 7, 4527.	2.9	3
25	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
26	Excitation-resolved cone-beam x-ray luminescence tomography. Journal of Biomedical Optics, 2015, 20, 070501.	2.6	15
27	A wavelet-based single-view reconstruction approach for cone beam x-ray luminescence tomography imaging. Biomedical Optics Express, 2014, 5, 3848.	2.9	18