

Hongkai Wang

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

618
citations

687363

13
h-index

580821

25
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34
all docs

34
docs citations

34
times ranked

739
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstruction for free-space fluorescence tomography using a novel hybrid adaptive finite element algorithm. <i>Optics Express</i> , 2007, 15, 18300.	3.4	126
2	<i>Ganoderma lucidum</i> polysaccharide peptide prevents renal ischemia reperfusion injury via counteracting oxidative stress. <i>Scientific Reports</i> , 2015, 5, 16910.	3.3	74
3	The hidden cost of housing practices: using noninvasive imaging to quantify the metabolic demands of chronic cold stress of laboratory mice. <i>Comparative Medicine</i> , 2013, 63, 386-91.	1.0	51
4	In vivo x-ray luminescence tomographic imaging with single-view data. <i>Optics Letters</i> , 2013, 38, 4530.	3.3	49
5	Estimation of Mouse Organ Locations Through Registration of a Statistical Mouse Atlas With Micro-CT Images. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 88-102.	8.9	47
6	High urea induces depression and LTP impairment through mTOR signalling suppression caused by carbamylation. <i>EBioMedicine</i> , 2019, 48, 478-490.	6.1	28
7	Urea. <i>Sub-Cellular Biochemistry</i> , 2014, 73, 7-29.	2.4	23
8	3D-SIFT-Flow for atlas-based CT liver image segmentation. <i>Medical Physics</i> , 2016, 43, 2229-2241.	3.0	20
9	A wavelet-based single-view reconstruction approach for cone beam x-ray luminescence tomography imaging. <i>Biomedical Optics Express</i> , 2014, 5, 3848.	2.9	18
10	MARS: a mouse atlas registration system based on a planar x-ray projector and an optical camera. <i>Physics in Medicine and Biology</i> , 2012, 57, 6063-6077.	3.0	17
11	A Deformable Atlas of the Laboratory Mouse. <i>Molecular Imaging and Biology</i> , 2015, 17, 18-28.	2.6	16
12	Excitation-resolved cone-beam x-ray luminescence tomography. <i>Journal of Biomedical Optics</i> , 2015, 20, 070501.	2.6	15
13	Mouse Atlas Registration with Non-tomographic Imaging Modalities—a Pilot Study Based on Simulation. <i>Molecular Imaging and Biology</i> , 2012, 14, 408-419.	2.6	13
14	Deformable torso phantoms of Chinese adults for personalized anatomy modelling. <i>Journal of Anatomy</i> , 2018, 233, 121-134.	1.5	13
15	Elevated urinary urea by high-protein diet could be one of the inducements of bladder disorders. <i>Journal of Translational Medicine</i> , 2016, 14, 53.	4.4	12
16	Water Transport Mediated by Other Membrane Proteins. <i>Advances in Experimental Medicine and Biology</i> , 2017, 969, 251-261.	1.6	12
17	A method of 2D/3D registration of a statistical mouse atlas with a planar X-ray projection and an optical photo. <i>Medical Image Analysis</i> , 2013, 17, 401-416.	11.6	11
18	Deformable Head Atlas of Chinese Adults Incorporating Inter-Subject Anatomical Variations. <i>IEEE Access</i> , 2018, 6, 51392-51400.	4.2	10

#	ARTICLE	IF	CITATIONS
19	Bioluminescence tomography with structural information estimated via statistical mouse atlas registration. <i>Biomedical Optics Express</i> , 2018, 9, 3544.	2.9	9
20	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
21	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
22	Serum metabolomics of end-stage renal disease patients with depression: potential biomarkers for diagnosis. <i>Renal Failure</i> , 2021, 43, 1479-1491.	2.1	7
23	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
24	Expression of Urea Transporter B in Normal and Injured Brain. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 591726.	1.7	5
25	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
26	Abdominal atlas mapping in CT and MR volume images using a normalized abdominal coordinate system. <i>Computerized Medical Imaging and Graphics</i> , 2008, 32, 442-451.	5.8	3
27	Non-stationary reconstruction for dynamic fluorescence molecular tomography with extended kalman filter. <i>Biomedical Optics Express</i> , 2016, 7, 4527.	2.9	3
28	Inter-Subject Shape Correspondence Computation From Medical Images Without Organ Segmentation. <i>IEEE Access</i> , 2019, 7, 130772-130781.	4.2	2
29	Deformable Torso Anatomy Education with Three-Dimensional Autostereoscopic Visualization and Free-Hand Interaction. , 2022, , .		2
30	A Novel Merged Strategy with Deformation Field Reconstruction for Constructing Statistical Shape Models. , 2019, , .		1
31	Evaluation of different atlas selection strategies for multi-atlas segmentation of low-dose computed tomographic images of whole-body positron emission tomography/computed tomography. <i>Digital Medicine</i> , 2017, 3, 186.	0.1	1
32	A Statistical Model of Spine Shape and Material for Population-Oriented Biomechanical Simulation. <i>IEEE Access</i> , 2021, 9, 155805-155814.	4.2	1
33	Organ concentration quantification for small animal PET images by registration with a statistical mouse atlas. , 2010, , .		0
34	Nanobiomaterials in X-ray luminescence computed tomography (XLCT) imaging. , 2016, , 403-420.		0