

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
g-index

34
all docs

34
docs citations

34
times ranked

739
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	Deformable Torso Anatomy Education with Three-Dimensional Autostereoscopic Visualization and Free-Hand Interaction. , 2022, , .		2
3	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
4	Expression of Urea Transporter B in Normal and Injured Brain. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 591726.	1.7	5
5	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
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	Inter-Subject Shape Correspondence Computation From Medical Images Without Organ Segmentation. <i>IEEE Access</i> , 2019, 7, 130772-130781.	4.2	2
8	High urea induces depression and LTP impairment through mTOR signalling suppression caused by carbamylation. <i>EBioMedicine</i> , 2019, 48, 478-490.	6.1	28
9	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
10	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
11	A Novel Merged Strategy with Deformation Field Reconstruction for Constructing Statistical Shape Models. , 2019, , .		1
12	Deformable torso phantoms of Chinese adults for personalized anatomy modelling. <i>Journal of Anatomy</i> , 2018, 233, 121-134.	1.5	13
13	Deformable Head Atlas of Chinese Adults Incorporating Inter-Subject Anatomical Variations. <i>IEEE Access</i> , 2018, 6, 51392-51400.	4.2	10
14	Bioluminescence tomography with structural information estimated via statistical mouse atlas registration. <i>Biomedical Optics Express</i> , 2018, 9, 3544.	2.9	9
15	Water Transport Mediated by Other Membrane Proteins. <i>Advances in Experimental Medicine and Biology</i> , 2017, 969, 251-261.	1.6	12
16	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
17	Nanobiomaterials in X-ray luminescence computed tomography (XLCT) imaging. , 2016, , 403-420.		0
18	3D-SIFT-Flow for atlas-based CT liver image segmentation. <i>Medical Physics</i> , 2016, 43, 2229-2241.	3.0	20

#	ARTICLE	IF	CITATIONS
19	Non-stationary reconstruction for dynamic fluorescence molecular tomography with extended kalman filter. Biomedical Optics Express, 2016, 7, 4527.	2.9	3
20	Elevated urinary urea by high-protein diet could be one of the inducements of bladder disorders. Journal of Translational Medicine, 2016, 14, 53.	4.4	12
21	Ganoderma lucidum polysaccharide peptide prevents renal ischemia reperfusion injury via counteracting oxidative stress. Scientific Reports, 2015, 5, 16910.	3.3	74
22	Excitation-resolved cone-beam x-ray luminescence tomography. Journal of Biomedical Optics, 2015, 20, 070501.	2.6	15
23	A Deformable Atlas of the Laboratory Mouse. Molecular Imaging and Biology, 2015, 17, 18-28.	2.6	16
24	A wavelet-based single-view reconstruction approach for cone beam x-ray luminescence tomography imaging. Biomedical Optics Express, 2014, 5, 3848.	2.9	18
25	Urea. Sub-Cellular Biochemistry, 2014, 73, 7-29.	2.4	23
26	A method of 2D/3D registration of a statistical mouse atlas with a planar X-ray projection and an optical photo. Medical Image Analysis, 2013, 17, 401-416.	11.6	11
27	In vivo x-ray luminescence tomographic imaging with single-view data. Optics Letters, 2013, 38, 4530.	3.3	49
28	The hidden cost of housing practices: using noninvasive imaging to quantify the metabolic demands of chronic cold stress of laboratory mice. Comparative Medicine, 2013, 63, 386-91.	1.0	51
29	MARS: a mouse atlas registration system based on a planar x-ray projector and an optical camera. Physics in Medicine and Biology, 2012, 57, 6063-6077.	3.0	17
30	Mouse Atlas Registration with Non-tomographic Imaging Modalities—a Pilot Study Based on Simulation. Molecular Imaging and Biology, 2012, 14, 408-419.	2.6	13
31	Estimation of Mouse Organ Locations Through Registration of a Statistical Mouse Atlas With Micro-CT Images. IEEE Transactions on Medical Imaging, 2012, 31, 88-102.	8.9	47
32	Organ concentration quantification for small animal PET images by registration with a statistical mouse atlas. , 2010, , .		0
33	Abdominal atlas mapping in CT and MR volume images using a normalized abdominal coordinate system. Computerized Medical Imaging and Graphics, 2008, 32, 442-451.	5.8	3
34	Reconstruction for free-space fluorescence tomography using a novel hybrid adaptive finite element algorithm. Optics Express, 2007, 15, 18300.	3.4	126