

Parastoo Farnia

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

178
citations

1477746

6
h-index

1281420

11
g-index

18
all docs

18
docs citations

18
times ranked

185
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoacoustic-MR Image Registration Based on a Co-Sparse Analysis Model to Compensate for Brain Shift. <i>Sensors</i> , 2022, 22, 2399.	2.1	3
2	Bronchoscope motion tracking using centerline-guided Gaussian mixture model in navigated bronchoscopy. <i>Physics in Medicine and Biology</i> , 2021, 66, 025001.	1.6	5
3	Compensation of dynamic electromagnetic field distortion using simultaneous localization and mapping method with application in endobronchial ultrasoundâ€transbronchial needle aspiration (EBUSâ€TBNA) guidance. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2020, 16, e2035.	1.2	4
4	Automatic detection of symmetry plane for computer-aided surgical simulation in craniomaxillofacial surgery. <i>Physical and Engineering Sciences in Medicine</i> , 2020, 43, 1087-1099.	1.3	7
5	High-quality photoacoustic image reconstruction based on deep convolutional neural network: towards intra-operative photoacoustic imaging. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 045019.	0.6	26
6	Photoacoustic image improvement based on a combination of sparse coding and filtering. <i>Journal of Biomedical Optics</i> , 2020, 25, .	1.4	12
7	Dictionary learning technique enhances signal in LED-based photoacoustic imaging. <i>Biomedical Optics Express</i> , 2020, 11, 2533.	1.5	23
8	Application of multi-wavelength technique for photoacoustic imaging to delineate tumor margins during maximum-safe resection of glioma: A preliminary simulation study. <i>Journal of Clinical Neuroscience</i> , 2019, 70, 242-246.	0.8	14
9	Segmentation of GBM in MRI images using an efficient speed function based on level set method. , 2017, , .		2
10	A robust keypoint extraction and matching algorithm based on wavelet transform and information theory for point-based registration in endoscopic sinus cavity data. <i>Signal, Image and Video Processing</i> , 2016, 10, 983-991.	1.7	3
11	Brain-shift compensation by non-rigid registration of intra-operative ultrasound images with preoperative MR images based on residual complexity. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015, 10, 555-562.	1.7	23
12	An efficient method for estimating soft tissue deformation based on intraoperative stereo image features and point-based registration. <i>International Journal of Imaging Systems and Technology</i> , 2013, 23, 294-303.	2.7	8
13	On the performance of improved ICP algorithms for registration of intra-ultrasound with pre-MR images; a phantom study. , 2012, 2012, 4390-3.		8
14	Mitral Valve Prolapse detection using landmark extraction from echocardiography sequences. , 2012, 2012, 4303-6.		1
15	Segmentation of brain tumors in MRI images using multi-scale gradient vector flow. , 2011, 2011, 7973-6.		11
16	An efficient point based registration of intra-operative ultrasound images with MR images for computation of brain shift; A phantom study. , 2011, 2011, 8074-7.		20
17	Detection of Early Stages Dental Caries Using Photoacoustic Signals: The Simulation Study. <i>Frontiers in Biomedical Technologies</i> , 0, , .	0.0	6