

# Parastoo Farnia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6010626/publications.pdf>

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17  
papers

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citations

1477746

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1281420

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18  
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docs citations

18  
times ranked

185  
citing authors

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