

Alireza Mehrtash

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,808
citations

687363
13
h-index

839539
18
g-index

22
all docs

22
docs citations

22
times ranked

2634
citing authors

#	ARTICLE	IF	CITATIONS
1	Domain adaptation for segmentation of critical structures for prostate cancer therapy. Scientific Reports, 2021, 11, 11480.	3.3	8
2	Lung Nodule Malignancy Prediction in Sequential CT Scans: Summary of ISBI 2018 Challenge. IEEE Transactions on Medical Imaging, 2021, 40, 3748-3761.	8.9	13
3	An Online Calculator for the Prediction of Survival in Glioblastoma Patients Using Classical Statistics and Machine Learning. Neurosurgery, 2020, 86, E184-E192.	1.1	75
4	Open Source Platform for Transperineal In-Bore MRI-Guided Targeted Prostate Biopsy. IEEE Transactions on Biomedical Engineering, 2020, 67, 565-576.	4.2	0
5	Confidence Calibration and Predictive Uncertainty Estimation for Deep Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2020, 39, 3868-3878.	8.9	158
6	Automating Clinical Chart Review: An Open-Source Natural Language Processing Pipeline Developed on Free-Text Radiology Reports From Patients With Glioblastoma. JCO Clinical Cancer Informatics, 2020, 4, 25-34.	2.1	15
7	Deep Learning in Archaeological Remote Sensing: Automated Qanat Detection in the Kurdistan Region of Iraq. Remote Sensing, 2020, 12, 500.	4.0	58
8	Fully automatic catheter segmentation in MRI with 3D convolutional neural networks: application to MRI-guided gynecologic brachytherapy. Physics in Medicine and Biology, 2019, 64, 165008.	3.0	47
9	Natural Language Processing for Automated Quantification of Brain Metastases Reported in Free-Text Radiology Reports. JCO Clinical Cancer Informatics, 2019, 3, 1-9.	2.1	28
10	Standardized Assessment of Automatic Segmentation of White Matter Hyperintensities and Results of the WMH Segmentation Challenge. IEEE Transactions on Medical Imaging, 2019, 38, 2556-2568.	8.9	165
11	Artificial intelligence in cancer imaging: Clinical challenges and applications. Ca-A Cancer Journal for Clinicians, 2019, 69, 127-157.	329.8	965
12	Automatic Needle Segmentation and Localization in MRI With 3-D Convolutional Neural Networks: Application to MRI-Targeted Prostate Biopsy. IEEE Transactions on Medical Imaging, 2019, 38, 1026-1036.	8.9	42
13	Tesseract-medical imaging: open-source browser-based platform for artificial intelligence deployment in medical imaging. , 2019, , .		2
14	Semi-supervised image registration using deep learning. , 2019, , .		8
15	Automatic high resolution segmentation of the prostate from multi-planar MRI. , 2018, , .		18
16	Using the variogram for vector outlier screening: application to feature-based image registration. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1871-1880.	2.8	17
17	DeepInfer: open-source deep learning deployment toolkit for image-guided therapy. Proceedings of SPIE, 2017, 10135, .	0.8	27
18	Classification of clinical significance of MRI prostate findings using 3D convolutional neural networks. Proceedings of SPIE, 2017, 10134, .	0.8	42

#	ARTICLE	IF	CITATIONS
19	Corticospinal tract modeling for neurosurgical planning by tracking through regions of peritumoral edema and crossing fibers using two-tensor unscented Kalman filter tractography. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 1475-1486.	2.8	42
20	Bolus arrival time and its effect on tissue characterization with dynamic contrast-enhanced magnetic resonance imaging. Journal of Medical Imaging, 2016, 3, 014503.	1.5	10
21	Reconstruction of the arcuate fasciculus for surgical planning in the setting of peritumoral edema using two-tensor unscented Kalman filter tractography. NeuroImage: Clinical, 2015, 7, 815-822.	2.7	60
22	Validation of Catheter Segmentation for MR-Guided Gynecologic Cancer Brachytherapy. Lecture Notes in Computer Science, 2013, 16, 380-387.	1.3	8