

# Alireza Mehrtash

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8954073/publications.pdf>

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	Artificial intelligence in cancer imaging: Clinical challenges and applications. Ca-A Cancer Journal for Clinicians, 2019, 69, 127-157.	329.8	965
2	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
3	Confidence Calibration and Predictive Uncertainty Estimation for Deep Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2020, 39, 3868-3878.	8.9	158
4	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
5	Reconstruction of the arcuate fasciculus for surgical planning in the setting of peritumoral edema using two-tensor unscented Kalman filter tractography. Neurolmage: Clinical, 2015, 7, 815-822.	2.7	60
6	Deep Learning in Archaeological Remote Sensing: Automated Qanat Detection in the Kurdistan Region of Iraq. Remote Sensing, 2020, 12, 500.	4.0	58
7	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
8	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
9	Classification of clinical significance of MRI prostate findings using 3D convolutional neural networks. Proceedings of SPIE, 2017, 10134, .	0.8	42
10	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
11	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
12	DeepInfer: open-source deep learning deployment toolkit for image-guided therapy. Proceedings of SPIE, 2017, 10135, .	0.8	27
13	Automatic high resolution segmentation of the prostate from multi-planar MRI. , 2018, , .		18
14	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
15	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
16	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
17	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
18	Domain adaptation for segmentation of critical structures for prostate cancer therapy. Scientific Reports, 2021, 11, 11480.	3.3	8

#	ARTICLE	IF	CITATIONS
19	Validation of Catheter Segmentation for MR-Guided Gynecologic Cancer Brachytherapy. Lecture Notes in Computer Science, 2013, 16, 380-387.	1.3	8
20	Semi-supervised image registration using deep learning. , 2019, , .		8
21	Tesseract-medical imaging: open-source browser-based platform for artificial intelligence deployment in medical imaging. , 2019, , .		2
22	Open Source Platform for Transperineal In-Bore MRI-Guided Targeted Prostate Biopsy. IEEE Transactions on Biomedical Engineering, 2020, 67, 565-576.	4.2	0