

Alireza Mehrtash

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,808
citations

686830

13
h-index

839053

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. <i>Ca-A Cancer Journal for Clinicians</i> , 2019, 69, 127-157.	157.7	965
2	Standardized Assessment of Automatic Segmentation of White Matter Hyperintensities and Results of the WMH Segmentation Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2556-2568.	5.4	165
3	Confidence Calibration and Predictive Uncertainty Estimation for Deep Medical Image Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 3868-3878.	5.4	158
4	An Online Calculator for the Prediction of Survival in Glioblastoma Patients Using Classical Statistics and Machine Learning. <i>Neurosurgery</i> , 2020, 86, E184-E192.	0.6	75
5	Reconstruction of the arcuate fasciculus for surgical planning in the setting of peritumoral edema using two-tensor unscented Kalman filter tractography. <i>NeuroImage: Clinical</i> , 2015, 7, 815-822.	1.4	60
6	Deep Learning in Archaeological Remote Sensing: Automated Qanat Detection in the Kurdistan Region of Iraq. <i>Remote Sensing</i> , 2020, 12, 500.	1.8	58
7	Fully automatic catheter segmentation in MRI with 3D convolutional neural networks: application to MRI-guided gynecologic brachytherapy. <i>Physics in Medicine and Biology</i> , 2019, 64, 165008.	1.6	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. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016, 11, 1475-1486.	1.7	42
9	Classification of clinical significance of MRI prostate findings using 3D convolutional neural networks. <i>Proceedings of SPIE</i> , 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. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1026-1036.	5.4	42
11	Natural Language Processing for Automated Quantification of Brain Metastases Reported in Free-Text Radiology Reports. <i>JCO Clinical Cancer Informatics</i> , 2019, 3, 1-9.	1.0	28
12	DeepInfer: open-source deep learning deployment toolkit for image-guided therapy. <i>Proceedings of SPIE</i> , 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. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018, 13, 1871-1880.	1.7	17
15	Automating Clinical Chart Review: An Open-Source Natural Language Processing Pipeline Developed on Free-Text Radiology Reports From Patients With Glioblastoma. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 25-34.	1.0	15
16	Lung Nodule Malignancy Prediction in Sequential CT Scans: Summary of ISBI 2018 Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3748-3761.	5.4	13
17	Bolus arrival time and its effect on tissue characterization with dynamic contrast-enhanced magnetic resonance imaging. <i>Journal of Medical Imaging</i> , 2016, 3, 014503.	0.8	10
18	Domain adaptation for segmentation of critical structures for prostate cancer therapy. <i>Scientific Reports</i> , 2021, 11, 11480.	1.6	8

#	ARTICLE	IF	CITATIONS
19	Validation of Catheter Segmentation for MR-Guided Gynecologic Cancer Brachytherapy. Lecture Notes in Computer Science, 2013, 16, 380-387.	1.0	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.	2.5	0