Mohsen Ghafoorian

List of Publications by Year
in descending order

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23 papers	9,282 citations	623188 14 h-index	752256 20 g-index
23 all docs	23 docs citations	23 times ranked	13751 citing authors

#	Article	IF	Citations
1	A survey on deep learning in medical image analysis. Medical Image Analysis, 2017, 42, 60-88.	7.0	7,976
2	Longitudinal multiple sclerosis lesion segmentation: Resource and challenge. NeuroImage, 2017, 148, 77-102.	2.1	215
3	Location Sensitive Deep Convolutional Neural Networks for Segmentation of White Matter Hyperintensities. Scientific Reports, 2017, 7, 5110.	1.6	171
4	Transfer Learning for Domain Adaptation in MRI: Application in Brain Lesion Segmentation. Lecture Notes in Computer Science, 2017, , 516-524.	1.0	167
5	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.	5.4	165
6	Deep multi-scale location-aware 3D convolutional neural networks for automated detection of lacunes of presumed vascular origin. NeuroImage: Clinical, 2017, 14, 391-399.	1.4	99
7	Evaluating White Matter Lesion Segmentations with Refined SÃ¸rensen-Dice Analysis. Scientific Reports, 2020, 10, 8242.	1.6	94
8	Nonlinear temporal dynamics of cerebral small vessel disease. Neurology, 2017, 89, 1569-1577.	1.5	89
9	Progression of White Matter Hyperintensities Preceded by Heterogeneous Decline of Microstructural Integrity. Stroke, 2018, 49, 1386-1393.	1.0	66
10	Automated detection of white matter hyperintensities of all sizes in cerebral small vessel disease. Medical Physics, 2016, 43, 6246-6258.	1.6	59
11	Classification of clinical significance of MRI prostate findings using 3D convolutional neural networks. Proceedings of SPIE, 2017, 10134, .	0.8	42
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.	5.4	42
13	Memory decline in elderly with cerebral small vessel disease explained by temporal interactions between white matter hyperintensities and hippocampal atrophy. Hippocampus, 2019, 29, 500-510.	0.9	28
14	Accelerated development of cerebral small vessel disease in young stroke patients. Neurology, 2016, 87, 1212-1219.	1.5	25
15	The role of small diffusion-weighted imaging lesions in cerebral small vessel disease. Neurology, 2019, 93, 10.1212/WNL.0000000000008364.	1.5	14
16	Cognitive consequences of regression of cerebral small vessel disease. European Stroke Journal, 2019, 4, 85-89.	2.7	12
17	White Matter Hyperintensities Are No Major Confounder for Alzheimerâ€™s Disease Cerebrospinal Fluid Biomarkers. Journal of Alzheimer's Disease, 2021, 79, 163-175.	1.2	5
18	Small white matter lesion detection in cerebral small vessel disease. Proceedings of SPIE, 2015, , .	0.8	3

#	Article	IF	Citations
19	Risk of Nursing Home Admission in Cerebral Small Vessel Disease. Stroke, 2018, 49, 2659-2665.	1.0	3
20	Student beats the teacher: deep neural networks for lateral ventricles segmentation in brain MR. , 2018, , .		3
21	Brain atrophy and strategic lesion location increases risk of parkinsonism in cerebral small vessel disease. Parkinsonism and Related Disorders, 2019, 61, 94-100.	1.1	2
22	Cerebral microbleed detection in traumatic brain injury patients using 3D convolutional neural networks. , 2018, , .		2
23	Gambling Adversarial Nets for Hard Sample Mining and Structured Prediction: Application in Ultrasound Thyroid Nodule Segmentation. Lecture Notes in Computer Science, 2020, , 513-522.	1.0	0