Ensemble of Convolutional Neural Networks Improves
Ischemic Lesions Using Multiparametric Diffusion-Wei

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#	Article	IF	Citations
1	Big Data Approaches to Phenotyping Acute Ischemic Stroke Using Automated Lesion Segmentation of Multi-Center Magnetic Resonance Imaging Data. Stroke, 2019, 50, 1734-1741.	2.0	52
2	Automated segmentation of acute stroke lesions using a data-driven anomaly detection on diffusion weighted MRI. Journal of Neuroscience Methods, 2020, 333, 108575.	2.5	31
3	Neuroimaging and deep learning for brain stroke detection - A review of recent advancements and future prospects. Computer Methods and Programs in Biomedicine, 2020, 197, 105728.	4.7	50
4	Identification of White Matter Lesions in Patients With Acute Ischemic Lesions Using U-net. Frontiers in Neurology, 2020, 11, 1008.	2.4	2
5	Automatic Assessment of ASPECTS Using Diffusion-Weighted Imaging in Acute Ischemic Stroke Using Recurrent Residual Convolutional Neural Network. Diagnostics, 2020, 10, 803.	2.6	24
6	Automatic Segmentation of Stroke Lesions in Non-Contrast Computed Tomography Datasets With Convolutional Neural Networks. IEEE Access, 2020, 8, 94871-94879.	4.2	20
8	Convolutional Neural Network Ensemble Segmentation With Ratio-Based Sampling for the Arteries and Veins in Abdominal CT Scans. IEEE Transactions on Biomedical Engineering, 2021, 68, 1518-1526.	4.2	21
9	A research on prediction of bat-borne disease infection through segmentation using diffusion-weighted MR imaging in deep-machine learning approach. Materials Today: Proceedings, 2021, , .	1.8	0
10	Diffusion weighted imaging in acute ischemic stroke: A review of its interpretation pitfalls and advanced diffusion imaging application. Journal of the Neurological Sciences, 2021, 425, 117435.	0.6	20
11	Inter-vendor performance of deep learning in segmenting acute ischemic lesions on diffusion-weighted imaging: a multicenter study. Scientific Reports, 2021, 11, 12434.	3.3	6
12	Deep neural network ensemble for on-the-fly quality control-driven segmentation of cardiac MRI T1 mapping. Medical Image Analysis, 2021, 71, 102029.	11.6	49
13	A Detailed Analysis of Infarct Patterns and Volumes at 24-hour Noncontrast CT and Diffusion-weighted MRI in Acute Ischemic Stroke Due to Large Vessel Occlusion: Results from the ESCAPE-NA1 Trial. Radiology, 2021, 300, 152-159.	7.3	22
14	Improving Ischemic Stroke Care With MRI and Deep Learning Artificial Intelligence. Topics in Magnetic Resonance Imaging, 2021, 30, 187-195.	1.2	12
16	Convolutional Neural Network-Processed MRI Images in the Diagnosis of Plastic Bronchitis in Children. Contrast Media and Molecular Imaging, 2021, 2021, 1-8.	0.8	0
17	Comparison of domain adaptation techniques for white matter hyperintensity segmentation in brain MR images. Medical Image Analysis, 2021, 74, 102215.	11.6	9
18	Application of Deep Learning Method on Ischemic Stroke Lesion Segmentation. Journal of Shanghai Jiaotong University (Science), 2022, 27, 99-111.	0.9	16
19	Applications of artificial intelligence for DWI and PWI data processing in acute ischemic stroke: Current practices and future directions. Clinical Imaging, 2022, 81, 79-86.	1.5	11
20	Convolutional Neural Network on DTI Data for Sub-cortical Brain Structure Segmentation. Mathematics and Visualization, 2020, , 135-146.	0.6	0

#	Article	IF	Citations
21	Face mask recognition system using CNN model. Neuroscience Informatics, 2022, 2, 100035.	4.5	57
22	Development and clinical application of a deep learning model to identify acute infarct on magnetic resonance imaging. Scientific Reports, 2022, 12, 2154.	3.3	6
23	Improving interobserver agreement and performance of deep learning models for segmenting acute ischemic stroke by combining DWI with optimized ADC thresholds. European Radiology, 2022, 32, 5371-5381.	4.5	6
24	A Review on Computer Aided Diagnosis of Acute Brain Stroke. Sensors, 2021, 21, 8507.	3.8	19
25	Automatic Segmentation in Acute Ischemic Stroke: Prognostic Significance of Topological Stroke Volumes on Stroke Outcome. Stroke, 2022, 53, 2896-2905.	2.0	7
26	Semantic segmentation guided detector for segmentation, classification, and lesion mapping of acute ischemic stroke in MRI images. NeuroImage: Clinical, 2022, 35, 103044.	2.7	3
27	Automatic identification of early ischemic lesions on non-contrast CT with deep learning approach. Scientific Reports, 2022, 12, .	3.3	6
28	Application of Machine Learning Techniques for Characterization of Ischemic Stroke with MRI Images: A Review. Diagnostics, 2022, 12, 2535.	2.6	3
29	The relevance of rich club regions for functional outcome postâ€stroke is enhanced in women. Human Brain Mapping, 2023, 44, 1579-1592.	3.6	1
31	An adaptively weighted ensemble of multiple CNNs for carotid ultrasound image segmentation. Biomedical Signal Processing and Control, 2023, 83, 104673.	5.7	2
32	The role of input imaging combination and ADC threshold on segmentation of acute ischemic stroke lesion using U-Net. European Radiology, 2023, 33, 6157-6167.	4.5	0
33	Collaborative multi-modal deep learning and radiomic features for classification of strokes within 6Âh. Expert Systems With Applications, 2023, 228, 120473.	7.6	1
34	Selective ensemble methods for deep learning segmentation of major vessels in invasive coronary angiography. Medical Physics, 0, , .	3.0	1
35	Artificial Intelligence for Automated DWI/FLAIR Mismatch Assessment on Magnetic Resonance Imaging in Stroke: A Systematic Review. Diagnostics, 2023, 13, 2111.	2.6	1
36	Machine Learning for Cerebrovascular Disorders. Neuromethods, 2023, , 921-961.	0.3	0
37	Machine learning application in ischemic stroke diagnosis, management, and outcome prediction: a narrative review. Journal of Medicine and Life Science, 2023, 20, 141-157.	0.0	0
38	3D Auto Segmentation Module for Ischemic Stroke Lesions from MONAI. , 2023, , .		0
39	Scaling behaviours of deep learning and linear algorithms for the prediction of stroke severity. Brain Communications, 2023, 6, .	3.3	0

#	Article	IF	Citations
40	Two-layer Ensemble of Deep Learning Models for Medical Image Segmentation. Cognitive Computation, 0, , .	5.2	0
41	Development of statistical auto-segmentation method for diffusion restriction gray matter lesions in patients with newly diagnosed sporadic Creutzfeldtâ€“Jakob disease. Scientific Reports, 2024, 14, .	3.3	0