

Ahmed A Khalil

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

988
citations

687363

13
h-index

610901

24
g-index

36
all docs

36
docs citations

36
times ranked

1807
citing authors

#	ARTICLE	IF	CITATIONS
1	Justify your alpha. <i>Nature Human Behaviour</i> , 2018, 2, 168-171.	12.0	310
2	Opening the black box of artificial intelligence for clinical decision support: A study predicting stroke outcome. <i>PLoS ONE</i> , 2020, 15, e0231166.	2.5	96
3	DCE-MRI bloodâ€“brain barrier assessment in acute ischemic stroke. <i>Neurology</i> , 2017, 88, 433-440.	1.1	76
4	On the usage of average Hausdorff distance for segmentation performance assessment: hidden error when used for ranking. <i>European Radiology Experimental</i> , 2021, 5, 4.	3.4	58
5	Re-thinking the Etiological Framework of Neurodegeneration. <i>Frontiers in Neuroscience</i> , 2019, 13, 728.	2.8	56
6	Elevated brain oxygen extraction fraction measured by MRI susceptibility relates to perfusion status in acute ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 539-551.	4.3	51
7	Relationship Between Changes in the Temporal Dynamics of the Blood-Oxygen-Level-Dependent Signal and Hypoperfusion in Acute Ischemic Stroke. <i>Stroke</i> , 2017, 48, 925-931.	2.0	44
8	BRAVE-NET: Fully Automated Arterial Brain Vessel Segmentation in Patients With Cerebrovascular Disease. <i>Frontiers in Artificial Intelligence</i> , 2020, 3, 552258.	3.4	40
9	The impact of ischemic stroke on connectivity gradients. <i>NeuroImage: Clinical</i> , 2019, 24, 101947.	2.7	37
10	Synthesizing anonymized and labeled TOF-MRA patches for brain vessel segmentation using generative adversarial networks. <i>Computers in Biology and Medicine</i> , 2021, 131, 104254.	7.0	32
11	Elevated levels of plasma homocysteine, deficiencies in dietary folic acid and uracilâ€“DNA glycosylase impair learning in a mouse model of vascular cognitive impairment. <i>Behavioural Brain Research</i> , 2015, 283, 215-226.	2.2	31
12	Predicting the Response to Non-invasive Brain Stimulation in Stroke. <i>Frontiers in Neurology</i> , 2019, 10, 302.	2.4	31
13	Non-invasive monitoring of longitudinal changes in cerebral hemodynamics in acute ischemic stroke using BOLD signal delay. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 23-34.	4.3	28
14	Sensitivity of Diffusion-Weighted STEAM MRI and EPI-DWI to Infratentorial Ischemic Stroke. <i>PLoS ONE</i> , 2016, 11, e0161416.	2.5	12
15	The ratio between cerebral blood flow and Tmax predicts the quality of collaterals in acute ischemic stroke. <i>PLoS ONE</i> , 2018, 13, e0190811.	2.5	12
16	Generating 3D TOF-MRA volumes and segmentation labels using generative adversarial networks. <i>Medical Image Analysis</i> , 2022, 78, 102396.	11.6	12
17	An evaluation of performance measures for arterial brain vessel segmentation. <i>BMC Medical Imaging</i> , 2021, 21, 113.	2.7	8
18	Longitudinal ¹⁹ F magnetic resonance imaging of brain oxygenation in a mouse model of vascular cognitive impairment using a cryogenic radiofrequency coil. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019, 32, 105-114.	2.0	7

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19	The Effect of Scan Length on the Assessment of BOLD Delay in Ischemic Stroke. <i>Frontiers in Neurology</i> , 2020, 11, 381.	2.4	7
20	The Association Between Recanalization, Collateral Flow, and Reperfusion in Acute Stroke Patients: A Dynamic Susceptibility Contrast MRI Study. <i>Frontiers in Neurology</i> , 2019, 10, 1147.	2.4	6
21	A novel approach for assessing hypoperfusion in stroke using spatial independent component analysis of resting-state fMRI. <i>Human Brain Mapping</i> , 2021, 42, 5204-5216.	3.6	6
22	Magnetic resonance imaging-based changes in vascular morphology and cerebral perfusion in subacute ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2617-2627.	4.3	5
23	Multimodal Fusion Strategies for Outcome Prediction in Stroke. , 2020, , .		4
24	Toward Sharing Brain Images: Differentially Private TOF-MRA Images With Segmentation Labels Using Generative Adversarial Networks. <i>Frontiers in Artificial Intelligence</i> , 2022, 5, 813842.	3.4	4
25	Differentiation of Cerebral Neoplasms with Vessel Size Imaging (VSI). <i>Clinical Neuroradiology</i> , 2022, 32, 239-248.	1.9	3
26	Total perfusion-diffusion mismatch detected using resting-state functional MRI. <i>BJR case Reports</i> , 2021, 7, 20210056.	0.2	0
27	PET. , 2017, , 1-6.		0