

# Maged Goubran

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/421270/publications.pdf>

Version: 2024-02-01

63  
papers

1,605  
citations

304743

22  
h-index

345221

36  
g-index

73  
all docs

73  
docs citations

73  
times ranked

2854  
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in the Cerebello-Thalamo-Cortical Network After Magnetic Resonance-Guided Focused Ultrasound Thalamotomy. <i>Brain Connectivity</i> , 2023, 13, 28-38.	1.7	4
2	Deep Bayesian networks for uncertainty estimation and adversarial resistance of white matter hyperintensity segmentation. <i>Human Brain Mapping</i> , 2022, 43, 2089-2108.	3.6	17
3	Automated generation of cerebral blood flow and arterial transit time maps from multiple delay arterial spin-labeled MRI. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 406-417.	3.0	13
4	Investigating the contribution of white matter hyperintensities and cortical thickness to empathy in neurodegenerative and cerebrovascular diseases. <i>GeroScience</i> , 2022, 44, 1575-1598.	4.6	4
5	P269. Functional Connectivity Changes Between the sgACC and Meso-Cortico-Limbic Reward Network Following Deep Brain Stimulation Versus Magnetic Resonance-Guided Focused Ultrasound Capsulotomy in Depression. <i>Biological Psychiatry</i> , 2022, 91, S196.	1.3	0
6	Progressive White Matter Injury in Preclinical Dutch Cerebral Amyloid Angiopathy. <i>Annals of Neurology</i> , 2022, 92, 358-363.	5.3	5
7	Intravenous and Non-invasive Drug Delivery to the Mouse Basal Forebrain Using MRI-guided Focused Ultrasound. <i>Bio-protocol</i> , 2021, 11, e4056.	0.4	3
8	Improved Segmentation of the Intracranial and Ventricular Volumes in Populations with Cerebrovascular Lesions and Atrophy Using 3D CNNs. <i>Neuroinformatics</i> , 2021, 19, 597-618.	2.8	14
9	Abstract P359: Secondary Thalamic Atrophy Related to Brain Infarction is Associated With Post-Stroke Cognitive Impairment. <i>Stroke</i> , 2021, 52, .	2.0	0
10	Comparison of diffusion MRI and CLARITY fiber orientation estimates in both gray and white matter regions of human and primate brain. <i>NeuroImage</i> , 2021, 228, 117692.	4.2	20
11	Neuroradiologic Evaluation of MRI in High-Contact Sports. <i>Frontiers in Neurology</i> , 2021, 12, 701948.	2.4	5
12	Towards a comprehensive 3D mapping of tau progression in early Alzheimer's disease. <i>Brain</i> , 2021, 144, 2565-2567.	7.6	0
13	Brain structure and function in people recovering from COVID-19 after hospital discharge or self-isolation: a longitudinal observational study protocol. <i>CMAJ Open</i> , 2021, 9, E1114-E1119.	2.4	11
14	Cognitive and Neuroimaging Profiles of Older Adults With Attention Deficit/Hyperactivity Disorder Presenting to a Memory Clinic. <i>Journal of Attention Disorders</i> , 2021, , 108705472110605.	2.6	8
15	Amyloid-independent vascular contributions to cortical atrophy and cognition in a multi-center mixed cohort with low to severe small vessel disease. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	1
16	Serum oxylipins indicate subcortical ischemic vascular disease in patients with clinical stroke. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0
17	Hippocampal segmentation for brains with extensive atrophy using three-dimensional convolutional neural networks. <i>Human Brain Mapping</i> , 2020, 41, 291-308.	3.6	45
18	Improving cardiac MRI convolutional neural network segmentation on small training datasets and dataset shift: A continuous kernel cut approach. <i>Medical Image Analysis</i> , 2020, 61, 101636.	11.6	42

#	ARTICLE	IF	CITATIONS
19	Predicting <sup>15</sup> O-Water PET cerebral blood flow maps from multi-contrast MRI using a deep convolutional neural network with evaluation of training cohort bias. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2240-2253.	4.3	30
20	The Use of Random Forests to Identify Brain Regions on Amyloid and FDG PET Associated With MoCA Score. <i>Clinical Nuclear Medicine</i> , 2020, 45, 427-433.	1.3	12
21	Predicting response to psychiatric surgery: a systematic review of neuroimaging findings. <i>Journal of Psychiatry and Neuroscience</i> , 2020, 45, 387-394.	2.4	4
22	Simultaneous FDG-PET/MRI detects hippocampal subfield metabolic differences in AD/MCI. <i>Scientific Reports</i> , 2020, 10, 12064.	3.3	12
23	Ontario Neurodegenerative Disease Research Initiative (ONDRI): Structural MRI Methods and Outcome Measures. <i>Frontiers in Neurology</i> , 2020, 11, 847.	2.4	23
24	Cortical Thickness Estimation in Individuals With Cerebral Small Vessel Disease, Focal Atrophy, and Chronic Stroke Lesions. <i>Frontiers in Neuroscience</i> , 2020, 14, 598868.	2.8	18
25	Longitudinal alteration of cortical thickness and volume in high-impact sports. <i>NeuroImage</i> , 2020, 217, 116864.	4.2	17
26	Magnetic resonance-guided focused ultrasound capsulotomy for refractory obsessive compulsive disorder and major depressive disorder: clinical and imaging results from two phase I trials. <i>Molecular Psychiatry</i> , 2020, 25, 1946-1957.	7.9	53
27	Neuroinflammation-Associated Aspecific Manipulation of Mouse Predator Fear by <i>Toxoplasma gondii</i> . <i>Cell Reports</i> , 2020, 30, 320-334.e6.	6.4	88
28	Technical and radiographic considerations for magnetic resonance imaging-guided focused ultrasound capsulotomy. <i>Journal of Neurosurgery</i> , 2020, 135, 291-299.	1.6	8
29	Correlative Microscopy to Localize and Characterize Iron Deposition in Alzheimer's Disease. <i>Journal of Alzheimer's Disease Reports</i> , 2020, 4, 525-536.	2.2	12
30	MR susceptibility contrast imaging using a 2D simultaneous multi-slice gradient-echo sequence at 7T. <i>PLoS ONE</i> , 2019, 14, e0219705.	2.5	5
31	Non-Binary Approaches for Classification of Amyloid Brain PET. , 2019, , .		0
32	Longitudinal Changes in Hippocampal Subfield Volume Associated with Collegiate Football. <i>Journal of Neurotrauma</i> , 2019, 36, 2762-2773.	3.4	20
33	Lateral impacts correlate with falx cerebri displacement and corpus callosum trauma in sports-related concussions. <i>Biomechanics and Modeling in Mechanobiology</i> , 2019, 18, 631-649.	2.8	67
34	Multimodal image registration and connectivity analysis for integration of connectomic data from microscopy to MRI. <i>Nature Communications</i> , 2019, 10, 5504.	12.8	66
35	The Use of Random Forests to Classify Amyloid Brain PET. <i>Clinical Nuclear Medicine</i> , 2019, 44, 784-788.	1.3	15
36	Transcranial MRI-guided high-intensity focused ultrasound for treatment of essential tremor: A pilot study on the correlation between lesion size, lesion location, thermal dose, and clinical outcome. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 58-65.	3.4	43

#	ARTICLE	IF	CITATIONS
37	P3072: FEASIBILITY OF USING X-RAY FLUORESCENCE IMAGING AND ABSORPTION SPECTROSCOPY TO EVALUATE IRON DISTRIBUTION AND OXIDATIVE STATE IN THE ALZHEIMER'S DISEASE HIPPOCAMPUS. <i>Alzheimer's and Dementia</i> , 2018, 14, P1092.	0.8	0
38	RNA-Sequencing Analysis Revealed a Distinct Motor Cortex Transcriptome in Spontaneously Recovered Mice After Stroke. <i>Stroke</i> , 2018, 49, 2191-2199.	2.0	39
39	Revealing sub-voxel motions of brain tissue using phase-based amplified MRI (aMRI). <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2549-2559.	3.0	61
40	Diffusion MRI tractography for improved transcranial MRI-guided focused ultrasound thalamotomy targeting for essential tremor. <i>NeuroImage: Clinical</i> , 2018, 19, 572-580.	2.7	64
41	Carotid Atherosclerosis and Cerebral Small Vessel Disease: Preliminary Results from the Canadian Atherosclerosis Imaging Network Project 1. <i>Atherosclerosis Supplements</i> , 2018, 32, 156.	1.2	3
42	Direct Visualization and Mapping of the Spatial Course of Fiber Tracts at Microscopic Resolution in the Human Hippocampus. <i>Cerebral Cortex</i> , 2017, 27, bhw010.	2.9	80
43	The separate effects of lipids and proteins on brain MRI contrast revealed through tissue clearing. <i>NeuroImage</i> , 2017, 156, 412-422.	4.2	53
44	Investigation of hippocampal substructures in focal temporal lobe epilepsy with and without hippocampal sclerosis at 7T. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1359-1370.	3.4	43
45	[P3074]: CORRELATIVE MRI/OPTICAL/ELECTRON MICROSCOPY EVALUATION OF METAL DISTRIBUTION AND OXIDATIVE STATE IN THE ALZHEIMER'S HIPPOCAMPUS. <i>Alzheimer's and Dementia</i> , 2017, 13, P1129.	0.8	0
46	P.027 Investigation of hippocampal sub-structures in HS and non-HS focal temporal lobe epilepsy at 7T. <i>Canadian Journal of Neurological Sciences</i> , 2016, 43, S28-S28.	0.5	0
47	In vivo $\text{MRS}$ signatures of hippocampal subfield pathology in intractable epilepsy. <i>Human Brain Mapping</i> , 2016, 37, 1103-1119.	3.6	61
48	The spectrum of structural and functional imaging abnormalities in temporal lobe epilepsy. <i>Annals of Neurology</i> , 2016, 80, 142-153.	5.3	116
49	P1011: In Vivo Assessment of Hippocampal Subfield Metabolism, Perfusion and Diffusion Changes in MCI and Alzheimer's Disease. <i>Alzheimer's and Dementia</i> , 2016, 12, P541.	0.8	0
50	Individual feature maps: a patient-specific analysis tool with applications in temporal lobe epilepsy. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016, 11, 53-71.	2.8	1
51	Seven-Tesla MRI and neuroimaging biomarkers for Alzheimer's disease. <i>Neurosurgical Focus</i> , 2015, 39, E4.	2.3	12
52	The DTI Challenge: Toward Standardized Evaluation of Diffusion Tensor Imaging Tractography for Neurosurgery. <i>Journal of Neuroimaging</i> , 2015, 25, 875-882.	2.0	147
53	Assessment of PET & ASL metabolism in the hippocampal subfields of MCI and AD using simultaneous PET-MR. <i>EJNMMI Physics</i> , 2015, 2, A73.	2.7	4
54	Correlation between arterial spin labeling MRI and dynamic FDG on PET-MR in Alzheimer's disease and non-Alzheimer's disease patients. <i>EJNMMI Physics</i> , 2015, 2, A83.	2.7	3

#	ARTICLE	IF	CITATIONS
55	Registration of in-vivo to ex-vivo MRI of surgically resected specimens: A pipeline for histology to in-vivo registration. <i>Journal of Neuroscience Methods</i> , 2015, 241, 53-65.	2.5	29
56	Magnetic resonance imaging and histology correlation in the neocortex in temporal lobe epilepsy. <i>Annals of Neurology</i> , 2015, 77, 237-250.	5.3	43
57	Comparison of semi-automated scar quantification techniques using high-resolution, 3-dimensional late-gadolinium-enhancement magnetic resonance imaging. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 349-357.	1.5	20
58	Detection of temporal lobe epilepsy using support vector machines in multi-parametric quantitative MR imaging. <i>Computerized Medical Imaging and Graphics</i> , 2015, 41, 14-28.	5.8	35
59	Quantitative relaxometry and diffusion MRI for lateralization in MTS and non-MTS temporal lobe epilepsy. <i>Epilepsy Research</i> , 2014, 108, 506-516.	1.6	20
60	In vivo normative atlas of the hippocampal subfields using multi-echo susceptibility imaging at 7 Tesla. <i>Human Brain Mapping</i> , 2014, 35, 3588-3601.	3.6	36
61	Image registration of ex-vivo MRI to sparsely sectioned histology of hippocampal and neocortical temporal lobe specimens. <i>NeuroImage</i> , 2013, 83, 770-781.	4.2	36
62	Robust registration of sparsely sectioned histology to ex-vivo MRI of temporal lobe resections. , 2012, , .		0
63	Detection of small human cerebral cortical lesions with MRI under different levels of Gaussian smoothing: applications in epilepsy. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0