Roger Tam

List of Publications by Year
in descending order

30 papers	1,194 citations	623734 14 h-index	580821 25 g-index
30 all docs	30 docs citations	30 times ranked	2287 citing authors

#	Article	IF	Citations
1	Mind the gaps: functional networks disrupted by white matter hyperintensities are associated with greater falls risk. Neurobiology of Aging, 2022, 109, 166-175.	3.1	7
2	Serum neurofilament light chain correlates with myelin and axonal magnetic resonance imaging markers in multiple sclerosis. Multiple Sclerosis and Related Disorders, 2022, 57, 103366.	2.0	8
3	Cervical Spinal Cord Atrophy can be Accurately Quantified Using Head Images. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2022, 8, 205521732110707.	1.0	3
4	Cortical morphology predicts placebo response in multiple sclerosis. Scientific Reports, 2022, 12, 732.	3.3	0
5	Detecting cells in intravital video microscopy using a deep convolutional neural network. Computers in Biology and Medicine, 2021, 129, 104133.	7.0	7
6	Autonomic Alterations After Pulmonary Vein Isolation in the CIRCAâ€DOSE (Cryoballoon vs Irrigated) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.7	17
7	Deep grey matter injury in multiple sclerosis: a NAIMS consensus statement. Brain, 2021, 144, 1974-1984.	7.6	31
8	Nonlesional diffusely abnormal appearing white matter in clinically isolated syndrome: Prevalence, association with clinical and MRI features, and risk for conversion to multiple sclerosis. Journal of Neuroimaging, 2021, 31, 981-994.	2.0	3
9	Painting by lesions: White matter hyperintensities disrupt functional networks and global cognition. NeuroImage, 2021, 236, 118089.	4.2	11
10	The Canadian prospective cohort study to understand progression in multiple sclerosis (CanProCo): rationale, aims, and study design. BMC Neurology, 2021, 21, 418.	1.8	5
11	Predicting Atrial Fibrillation Recurrence After Catheter Ablation: A Comparative Evaluation in the CIRCA-DOSE Trial. Circulation: Arrhythmia and Electrophysiology, 2021, 14, CIRCEP121010443.	4.8	0
12	Myelin Damage in Normal Appearing White Matter Contributes to Impaired Cognitive Processing Speed in Multiple Sclerosis. Journal of Neuroimaging, 2020, 30, 205-211.	2.0	17
13	Scanner Invariant Multiple Sclerosis Lesion Segmentation from MRI. , 2020, , .		21
14	Rapid myelin water imaging for the assessment of cervical spinal cord myelin damage. NeuroImage: Clinical, 2019, 23, 101896.	2.7	16
15	The Effect of Aerobic Exercise on White Matter Hyperintensity Progression May Vary by Sex. Canadian Journal on Aging, 2019, 38, 236-244.	1.1	18
16	Cerebral Amyloid-Î² Deposition Is Associated with Impaired Gait Speed and Lower Extremity Function. Journal of Alzheimer's Disease, 2019, 71, S41-S49.	2.6	17
17	Advanced imaging findings in progressive solitary sclerosis: a single lesion or a global disease?. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2019, 5, 205521731882461.	1.0	1
18	Effect of different doses of gadolinium contrast agent on clinical outcomes in MS. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2019, 5, 205521731882379.	1.0	7

#	Article	IF	Citations
19	Quantitative neuroimaging measures of myelin in the healthy brain and in multiple sclerosis. Human Brain Mapping, 2019, 40, 2104-2116.	3.6	53
20	Canadian Association of Radiologists White Paper on Artificial Intelligence in Radiology. Canadian Association of Radiologists Journal, 2018, 69, 120-135.	2.0	349
21	Gadolinium Deposition in Deep Brain Structures: Relationship with Dose and Ionization of Linear Gadolinium-Based Contrast Agents. American Journal of Neuroradiology, 2018, 39, 1597-1603.	2.4	18
22	Spinal cord grey matter segmentation challenge. NeuroImage, 2017, 152, 312-329.	4.2	97
23	A Prospective Pilot Investigation of Brain Volume, White Matter Hyperintensities, and Hemorrhagic Lesions after Mild Traumatic Brain Injury. Frontiers in Neurology, 2016, 7, 11.	2.4	41
24	Brain and cord myelin water imaging: a progressive multiple sclerosis biomarker. NeuroImage: Clinical, 2015, 9, 574-580.	2.7	44
25	Resistance Training and White Matter Lesion Progression in Older Women: Exploratory Analysis of a 12â€Month Randomized Controlled Trial. Journal of the American Geriatrics Society, 2015, 63, 2052-2060.	2.6	78
26	Applying the biodesign innovation process: Addressing the inadequate supply of surgical screws in the developing world. , 2014, , .		1
27	Globally optimal spinal cord segmentation using a minimal path in high dimensions. , 2013, , .		12
28	Manifold Learning of Brain MRIs by Deep Learning. Lecture Notes in Computer Science, 2013, 16, 633-640.	1.3	143
29	Non-Local Spatial Regularization of MRI T2 Relaxation Images for Myelin Water Quantification. Lecture Notes in Computer Science, 2013, 16, 614-621.	1.3	10
30	The association between cognitive function and white matter lesion location in older adults: a systematic review. BMC Neurology, 2012, 12, 126.	1.8	159