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	Canadian Association of Radiologists White Paper on Artificial Intelligence in Radiology. Canadian Association of Radiologists Journal, 2018, 69, 120-135.	2.0	349
2	The association between cognitive function and white matter lesion location in older adults: a systematic review. BMC Neurology, 2012, 12, 126.	1.8	159
3	Manifold Learning of Brain MRIs by Deep Learning. Lecture Notes in Computer Science, 2013, 16, 633-640.	1.3	143
4	Spinal cord grey matter segmentation challenge. NeuroImage, 2017, 152, 312-329.	4.2	97
5	Resistance Training and White Matter Lesion Progression in Older Women: Exploratory Analysis of a 12‐Month Randomized Controlled Trial. Journal of the American Geriatrics Society, 2015, 63, 2052-2060.	2.6	78
6	Quantitative neuroimaging measures of myelin in the healthy brain and in multiple sclerosis. Human Brain Mapping, 2019, 40, 2104-2116.	3.6	53
7	Brain and cord myelin water imaging: a progressive multiple sclerosis biomarker. NeuroImage: Clinical, 2015, 9, 574-580.	2.7	44
8	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
9	Deep grey matter injury in multiple sclerosis: a NAIMS consensus statement. Brain, 2021, 144, 1974-1984.	7.6	31
10	Scanner Invariant Multiple Sclerosis Lesion Segmentation from MRI. , 2020, , .		21
11	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
12	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
13	Cerebral Amyloid-β Deposition Is Associated with Impaired Gait Speed and Lower Extremity Function. Journal of Alzheimer's Disease, 2019, 71, S41-S49.	2.6	17
14	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
15	Autonomic Alterations After Pulmonary Vein Isolation in the CIRCA‐DOSE (Cryoballoon vs Irrigated) Tj ETQq1 1 0.784314 rgBT /Overlo	3.7	17
16	Rapid myelin water imaging for the assessment of cervical spinal cord myelin damage. NeuroImage: Clinical, 2019, 23, 101896.	2.7	16
17	Globally optimal spinal cord segmentation using a minimal path in high dimensions. , 2013, , .		12
18	Painting by lesions: White matter hyperintensities disrupt functional networks and global cognition. NeuroImage, 2021, 236, 118089.	4.2	11

#	Article	IF	Citations
19	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
20	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
21	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
22	Detecting cells in intravital video microscopy using a deep convolutional neural network. Computers in Biology and Medicine, 2021, 129, 104133.	7.0	7
23	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
24	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
25	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
26	Cervical Spinal Cord Atrophy can be Accurately Quantified Using Head Images. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2022, 8, 205521732110707.	1.0	3
27	Applying the biodesign innovation process: Addressing the inadequate supply of surgical screws in the developing world. , 2014, , .		1
28	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
29	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
30	Cortical morphology predicts placebo response in multiple sclerosis. Scientific Reports, 2022, 12, 732.	3.3	0