

Ryan P Cabeen

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,205
citations

471509

17
h-index

454955

30
g-index

49
all docs

49
docs citations

49
times ranked

2007
citing authors

#	ARTICLE	IF	CITATIONS
1	Limits to anatomical accuracy of diffusion tractography using modern approaches. <i>NeuroImage</i> , 2019, 185, 1-11.	4.2	200
2	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. <i>NeuroImage</i> , 2021, 243, 118502.	4.2	94
3	Neuroanatomical morphometric characterization of sex differences in youth using statistical learning. <i>NeuroImage</i> , 2018, 172, 217-227.	4.2	82
4	Image processing approaches to enhance perivascular space visibility and quantification using MRI. <i>Scientific Reports</i> , 2019, 9, 12351.	3.3	67
5	Connectivity characterization of the mouse basolateral amygdalar complex. <i>Nature Communications</i> , 2021, 12, 2859.	12.8	63
6	Perivascular space fluid contributes to diffusion tensor imaging changes in white matter. <i>NeuroImage</i> , 2019, 197, 243-254.	4.2	62
7	Magnitude and timing of major white matter tract maturation from infancy through adolescence with NODDI. <i>NeuroImage</i> , 2020, 212, 116672.	4.2	58
8	Brain structure and cognitive correlates of body mass index in healthy older adults. <i>Behavioural Brain Research</i> , 2015, 278, 342-347.	2.2	55
9	Volumetric distribution of perivascular space in relation to mild cognitive impairment. <i>Neurobiology of Aging</i> , 2021, 99, 28-43.	3.1	45
10	Kernel regression estimation of fiber orientation mixtures in diffusion MRI. <i>NeuroImage</i> , 2016, 127, 158-172.	4.2	39
11	Regional age differences in gray matter diffusivity among healthy older adults. <i>Brain Imaging and Behavior</i> , 2016, 10, 203-211.	2.1	33
12	Analytic Tools for Post-traumatic Epileptogenesis Biomarker Search in Multimodal Dataset of an Animal Model and Human Patients. <i>Frontiers in Neuroinformatics</i> , 2018, 12, 86.	2.5	28
13	Harmonization of pipeline for preclinical multicenter MRI biomarker discovery in a rat model of post-traumatic epileptogenesis. <i>Epilepsy Research</i> , 2019, 150, 46-57.	1.6	25
14	Reducing CSF Partial Volume Effects to Enhance Diffusion Tensor Imaging Metrics of Brain Microstructure. <i>Technology and Innovation</i> , 2016, 18, 5-20.	0.2	24
15	A Comparative evaluation of voxel-based spatial mapping in diffusion tensor imaging. <i>NeuroImage</i> , 2017, 146, 100-112.	4.2	22
16	The Stroke Preclinical Assessment Network: Rationale, Design, Feasibility, and Stage 1 Results. <i>Stroke</i> , 2022, 53, 1802-1812.	2.0	22
17	White matter changes with age utilizing quantitative diffusion MRI. <i>Neurology</i> , 2014, 83, 247-252.	1.1	21
18	Fiber bundle length and cognition: a length-based tractography MRI study. <i>Brain Imaging and Behavior</i> , 2015, 9, 765-775.	2.1	20

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19	Cognitive reserve moderates the relationship between neuropsychological performance and white matter fiber bundle length in healthy older adults. <i>Brain Imaging and Behavior</i> , 2017, 11, 632-639.	2.1	19
20	Vulnerability of white matter tracts and cognition to the SOD2 polymorphism: A preliminary study of antioxidant defense genes in brain aging. <i>Behavioural Brain Research</i> , 2017, 329, 111-119.	2.2	16
21	In vivo Exploration of the Connectivity between the Subthalamic Nucleus and the Globus Pallidus in the Human Brain Using Multi-Fiber Tractography. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 119.	1.7	16
22	Prefrontal Cortex and Amygdala Subregion Morphology Are Associated With Obesity and Dietary Self-control in Children and Adolescents. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 563415.	2.0	16
23	Topological Organization of Whole-Brain White Matter in HIV Infection. <i>Brain Connectivity</i> , 2017, 7, 115-122.	1.7	15
24	Preliminary mapping of the structural effects of age in pediatric bipolar disorder with multimodal MR imaging. <i>Psychiatry Research - Neuroimaging</i> , 2018, 273, 54-62.	1.8	15
25	Neuroimaging abnormalities in clade C HIV are independent of Tat genetic diversity. <i>Journal of NeuroVirology</i> , 2017, 23, 319-328.	2.1	14
26	Neuromarkers of the common angiotensinogen polymorphism in healthy older adults: A comprehensive assessment of white matter integrity and cognition. <i>Behavioural Brain Research</i> , 2016, 296, 85-93.	2.2	11
27	Nonparenchymal fluid is the source of increased mean diffusivity in preclinical Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 348-354.	2.4	11
28	Dietary Fructose Intake and Hippocampal Structure and Connectivity during Childhood. <i>Nutrients</i> , 2020, 12, 909.	4.1	10
29	Microstructural properties within the amygdala and affiliated white matter tracts across adolescence. <i>NeuroImage</i> , 2021, 243, 118489.	4.2	10
30	Aberrant functional connectivity between reward and inhibitory control networks in pre-adolescent binge eating disorder. <i>Psychological Medicine</i> , 2023, 53, 3869-3878.	4.5	10
31	Regional gray matter abnormalities in pre-adolescent binge eating disorder: A voxel-based morphometry study. <i>Psychiatry Research</i> , 2022, 310, 114473.	3.3	9
32	White Matter Microstructural Differences in Youth With Classical Congenital Adrenal Hyperplasia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 3196-3212.	3.6	8
33	White matter fiber bundle lengths are shorter in cART naive HIV: an analysis of quantitative diffusion tractography in South Africa. <i>Brain Imaging and Behavior</i> , 2018, 12, 1229-1238.	2.1	7
34	The connections of the insular VEN area in great apes: A histologically-guided ex vivo diffusion tractography study. <i>Progress in Neurobiology</i> , 2020, 195, 101941.	5.7	7
35	THC Exposure is Reflected in the Microstructure of the Cerebral Cortex and Amygdala of Young Adults. <i>Cerebral Cortex</i> , 2020, 30, 4949-4963.	2.9	7
36	Frontoinsular cortical microstructure is linked to life satisfaction in young adulthood. <i>Brain Imaging and Behavior</i> , 2021, 15, 2775-2789.	2.1	7

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37	Reinforcement Tractography: A Hybrid Approach for Robust Segmentation of Complex Fiber Bundles. , 2020, , .		5
38	Estimating Constrained Multi-fiber Diffusion MR Volumes by Orientation Clustering. Lecture Notes in Computer Science, 2013, 16, 82-89.	1.3	5
39	Mapping fronto-insular cortex from diffusion microstructure. Cerebral Cortex, 2023, 33, 2715-2733.	2.9	4
40	Genetic markers of cholesterol transport and gray matter diffusion: a preliminary study of the CETP I405V polymorphism. Journal of Neural Transmission, 2015, 122, 1581-1592.	2.8	3
41	Application of a Novel Quantitative Tractography-based Analysis of Diffusion Tensor Imaging to Examine Fiber Bundle Length In Human Cerebral White Matter. Technology and Innovation, 2016, 18, 21-29.	0.2	3
42	Tractography Processing with the Sparse Closest Point Transform. Neuroinformatics, 2021, 19, 367-378.	2.8	3
43	Alteration of perivascular spaces in early cognitive decline. Alzheimer's and Dementia, 2020, 16, e045605.	0.8	2
44	Gray Matter Atrophy: The Impacts of Resective Surgery and Vagus Nerve Stimulation in Drug-Resistant Epilepsy. World Neurosurgery, 2021, 149, e535-e545.	1.3	2
45	Behavioral inhibition corresponds to white matter fiber bundle integrity in older adults. Brain Imaging and Behavior, 2019, 13, 1602-1611.	2.1	1
46	Somatotopic Organization of Hyperdirect Pathway Projections From the Primary Motor Cortex in the Human Brain. Frontiers in Neurology, 2022, 13, 791092.	2.4	1
47	Intracellular signal changes in the anterosuperior medial temporal lobe associated with early cognitive decline. Alzheimer's and Dementia, 2020, 16, e044218.	0.8	0