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List of Publications by Year
in descending order

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	Aberrant functional connectivity between reward and inhibitory control networks in pre-adolescent binge eating disorder. Psychological Medicine, 2023, 53, 3869-3878.	4.5	10
2	Mapping frontoinsular cortex from diffusion microstructure. Cerebral Cortex, 2023, 33, 2715-2733.	2.9	4
3	The Stroke Preclinical Assessment Network: Rationale, Design, Feasibility, and Stage 1 Results. Stroke, 2022, 53, 1802-1812.	2.0	22
4	Regional gray matter abnormalities in pre-adolescent binge eating disorder: A voxel-based morphometry study. Psychiatry Research, 2022, 310, 114473.	3.3	9
5	Somatotopic Organization of Hyperdirect Pathway Projections From the Primary Motor Cortex in the Human Brain. Frontiers in Neurology, 2022, 13, 791092.	2.4	1
6	Tractography Processing with the Sparse Closest Point Transform. Neuroinformatics, 2021, 19, 367-378.	2.8	3
7	Volumetric distribution of perivascular space in relation to mild cognitive impairment. Neurobiology of Aging, 2021, 99, 28-43.	3.1	45
8	Frontoinsular cortical microstructure is linked to life satisfaction in young adulthood. Brain Imaging and Behavior, 2021, 15, 2775-2789.	2.1	7
9	Connectivity characterization of the mouse basolateral amygdalar complex. Nature Communications, 2021, 12, 2859.	12.8	63
10	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
11	White Matter Microstructural Differences in Youth With Classical Congenital Adrenal Hyperplasia. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 3196-3212.	3.6	8
12	Microstructural properties within the amygdala and affiliated white matter tracts across adolescence. NeuroImage, 2021, 243, 118489.	4.2	10
13	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. NeuroImage, 2021, 243, 118502.	4.2	94
14	The connections of the insular VEN area in great apes: A histologically-guided ex vivo diffusion tractography study. Progress in Neurobiology, 2020, 195, 101941.	5.7	7
15	Prefrontal Cortex and Amygdala Subregion Morphology Are Associated With Obesity and Dietary Self-control in Children and Adolescents. Frontiers in Human Neuroscience, 2020, 14, 563415.	2.0	16
16	Intracellular signal changes in the anterosuperior medial temporal lobe associated with early cognitive decline. Alzheimer's and Dementia, 2020, 16, e044218.	0.8	0
17	Alteration of perivascular spaces in early cognitive decline. Alzheimer's and Dementia, 2020, 16, e045605.	0.8	2
18	THC Exposure is Reflected in the Microstructure of the Cerebral Cortex and Amygdala of Young Adults. Cerebral Cortex, 2020, 30, 4949-4963.	2.9	7

#	Article	IF	Citations
19	Reinforcement Tractography: A Hybrid Approach for Robust Segmentation of Complex Fiber Bundles. , 2020, , .		5
20	Dietary Fructose Intake and Hippocampal Structure and Connectivity during Childhood. Nutrients, 2020, 12, 909.	4.1	10
21	Magnitude and timing of major white matter tract maturation from infancy through adolescence with NODDI. NeuroImage, 2020, 212, 116672.	4.2	58
22	Image processing approaches to enhance perivascular space visibility and quantification using MRI. Scientific Reports, 2019, 9, 12351.	3.3	67
23	Behavioral inhibition corresponds to white matter fiber bundle integrity in older adults. Brain Imaging and Behavior, 2019, 13, 1602-1611.	2.1	1
24	Perivascular space fluid contributes to diffusion tensor imaging changes in white matter. NeuroImage, 2019, 197, 243-254.	4.2	62
25	Nonparenchymal fluid is the source of increased mean diffusivity in preclinical Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 348-354.	2.4	11
26	Harmonization of pipeline for preclinical multicenter MRI biomarker discovery in a rat model of post-traumatic epileptogenesis. Epilepsy Research, 2019, 150, 46-57.	1.6	25
27	Limits to anatomical accuracy of diffusion tractography using modern approaches. NeuroImage, 2019, 185, 1-11.	4.2	200
28	Neuroanatomical morphometric characterization of sex differences in youth using statistical learning. NeuroImage, 2018, 172, 217-227.	4.2	82
29	Preliminary mapping of the structural effects of age in pediatric bipolar disorder with multimodal MR imaging. Psychiatry Research - Neuroimaging, 2018, 273, 54-62.	1.8	15
30	White matter fiber bundle lengths are shorter in cART naive HIV: an analysis of quantitative diffusion tractography in South Africa. Brain Imaging and Behavior, 2018, 12, 1229-1238.	2.1	7
31	Analytic Tools for Post-traumatic Epileptogenesis Biomarker Search in Multimodal Dataset of an Animal Model and Human Patients. Frontiers in Neuroinformatics, 2018, 12, 86.	2.5	28
32	Cognitive reserve moderates the relationship between neuropsychological performance and white matter fiber bundle length in healthy older adults. Brain Imaging and Behavior, 2017, 11, 632-639.	2.1	19
33	Topological Organization of Whole-Brain White Matter in HIV Infection. Brain Connectivity, 2017, 7, 115-122.	1.7	15
34	Vulnerability of white matter tracts and cognition to the SOD2 polymorphism: A preliminary study of antioxidant defense genes in brain aging. Behavioural Brain Research, 2017, 329, 111-119.	2.2	16
35	Neuroimaging abnormalities in clade C HIV are independent of Tat genetic diversity. Journal of NeuroVirology, 2017, 23, 319-328.	2.1	14
36	A Comparative evaluation of voxel-based spatial mapping in diffusion tensor imaging. NeuroImage, 2017, 146, 100-112.	4.2	22

#	Article	IF	Citations
37	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
38	Reducing CSF Partial Volume Effects to Enhance Diffusion Tensor Imaging Metrics of Brain Microstructure. Technology and Innovation, 2016, 18, 5-20.	0.2	24
39	Kernel regression estimation of fiber orientation mixtures in diffusion MRI. NeuroImage, 2016, 127, 158-172.	4.2	39
40	Neuromarkers of the common angiotensinogen polymorphism in healthy older adults: A comprehensive assessment of white matter integrity and cognition. Behavioural Brain Research, 2016, 296, 85-93.	2.2	11
41	Regional age differences in gray matter diffusivity among healthy older adults. Brain Imaging and Behavior, 2016, 10, 203-211.	2.1	33
42	In vivo Exploration of the Connectivity between the Subthalamic Nucleus and the Globus Pallidus in the Human Brain Using Multi-Fiber Tractography. Frontiers in Neuroanatomy, 2016, 10, 119.	1.7	16
43	Fiber bundle length and cognition: a length-based tractography MRI study. Brain Imaging and Behavior, 2015, 9, 765-775.	2.1	20
44	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
45	Brain structure and cognitive correlates of body mass index in healthy older adults. Behavioural Brain Research, 2015, 278, 342-347.	2.2	55
46	White matter changes with age utilizing quantitative diffusion MRI. Neurology, 2014, 83, 247-252.	1.1	21
47	Estimating Constrained Multi-fiber Diffusion MR Volumes by Orientation Clustering. Lecture Notes in Computer Science, 2013, 16, 82-89.	1.3	5