Alex P Zijdenbos

List of Publications by Year
in descending order

24 papers	3,829 citations	361296 20 h-index	610775 24 g-index
25 all docs	25 docs citations	25 times ranked	7175 citing authors

#	Article	IF	Citations
1	Sexual dimorphism of brain developmental trajectories during childhood and adolescence. NeuroImage, 2007, 36, 1065-1073.	2.1	1,121
2	Automatic "pipeline" analysis of 3-D MRI data for clinical trials: application to multiple sclerosis. IEEE Transactions on Medical Imaging, 2002, 21, 1280-1291.	5.4	679
3	Gray Matter Differences Correlate with Spontaneous Strategies in a Human Virtual Navigation Task. Journal of Neuroscience, 2007, 27, 10078-10083.	1.7	297
4	A fully automatic and robust brain MRI tissue classification method. Medical Image Analysis, 2003, 7, 513-527.	7.0	291
5	Automated cortical thickness measurements from MRI can accurately separate Alzheimer's patients from normal elderly controls. Neurobiology of Aging, 2008, 29, 23-30.	1.5	242
6	Statistical mapping analysis of lesion location and neurological disability in multiple sclerosis: application to 452 patient data sets. NeuroImage, 2003, 19, 532-544.	2.1	176
7	Focal cortical atrophy in multiple sclerosis: Relation to lesion load and disability. NeuroImage, 2007, 34, 509-517.	2.1	173
8	LORIS: a web-based data management system for multi-center studies. Frontiers in Neuroinformatics, 2011, 5, 37.	1.3	132
9	Common variants at 6q22 and 17q21 are associated with intracranial volume. Nature Genetics, 2012, 44, 539-544.	9.4	126
10	The pipeline system for Octave and Matlab (PSOM): a lightweight scripting framework and execution engine for scientific workflows. Frontiers in Neuroinformatics, 2012, 6, 7.	1.3	94
11	MINC 2.0: A Flexible Format for Multi-Modal Images. Frontiers in Neuroinformatics, 2016, 10, 35.	1.3	65
12	Brain imaging in drug R&D. Biomarkers, 2005, 10, 58-68.	0.9	59
13	Biomarkers, designs, and interpretations of resting-state fMRI in translational pharmacological research: A review of state-of-the-Art, challenges, and opportunities for studying brain chemistry. Human Brain Mapping, 2017, 38, 2276-2325.	1.9	57
14	Impact of Reference and Target Region Selection on Amyloid PET SUV Ratios in the Phase 1b PRIME Study of Aducanumab. Journal of Nuclear Medicine, 2019, 60, 100-106.	2.8	43
15	Early cortical thickness changes predict β-amyloid deposition in a mouse model of Alzheimer's disease. Neurobiology of Disease, 2013, 54, 59-67.	2.1	35
16	Allometric scaling of brain regions to intra-cranial volume: An epidemiological MRI study. Human Brain Mapping, 2017, 38, 151-164.	1.9	32
17	Automatic detection of intracranial contours in MR images. Computerized Medical Imaging and Graphics, 1994, 18, 11-23.	3.5	29
18	Automated Estimation of Brain Volume in Multiple Sclerosis with BICCR. Lecture Notes in Computer Science, 2001, , 141-147.	1.0	27

#	Article	IF	Citations
19	Î²-Amyloid is Associated with Aberrant Metabolic Connectivity in Subjects with Mild Cognitive Impairment. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1169-1179.	2.4	22
20	Spatially Distributed Amyloid-Î² Reduces Glucose Metabolism in Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2020, 73, 543-557.	1.2	22
21	Modulation of glucose metabolism and metabolic connectivity by Î²-amyloid. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 2058-2071.	2.4	20
22	Hierarchical Multivariate Covariance Analysis of Metabolic Connectivity. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1936-1943.	2.4	19
23	Optimal Target Region for Subject Classification on the Basis of Amyloid PET Images. Journal of Nuclear Medicine, 2015, 56, 1351-1358.	2.8	17
24	A Simulation Toolkit for Testing the Sensitivity and Accuracy of Corticometry Pipelines. Frontiers in Neuroinformatics, 2021, 15, 665560.	1.3	0