

Arthur W Toga

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1390328/arthur-w-toga-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

259
papers

23,904
citations

62
h-index

153
g-index

298
ext. papers

29,047
ext. citations

7
avg, IF

6.62
L-index

#	Paper	IF	Citations
259	Sharing of Alzheimer's Disease Research Data in the Global Alzheimer's Association Interactive Network 2022 , 395-403		
258	Aberrant functional connectivity between reward and inhibitory control networks in pre-adolescent binge eating disorder.. <i>Psychological Medicine</i> , 2022 , 1-10	6.9	0
257	Proteomic Profiles of Neurodegeneration Among Mexican Americans and Non-Hispanic Whites in the HABS-HD Study.. <i>Journal of Alzheimer's Disease</i> , 2022 , 86, 1243-1254	4.3	0
256	Regional gray matter abnormalities in pre-adolescent binge eating disorder: A voxel-based morphometry study.. <i>Psychiatry Research</i> , 2022 , 310, 114473	9.9	0
255	The Link between APOE4 Presence and Neuropsychological Test Performance among Mexican Americans and Non-Hispanic Whites of the Multiethnic Health & Aging Brain Study - Health Disparities Cohort.. <i>Dementia and Geriatric Cognitive Disorders</i> , 2022 , 1-6	2.6	0
254	Imaging subtle leaks in the blood-brain barrier in the aging human brain: potential pitfalls, challenges, and possible solutions.. <i>GeroScience</i> , 2022 , 1	8.9	1
253	RNA sequencing of whole blood reveals early alterations in immune cells and gene expression in Parkinson's disease. <i>Nature Aging</i> , 2021 , 1, 734-747		2
252	Mapping Complex Brain Torque Components and Their Genetic Architecture and Phenomic Associations in 24,112 Individuals.. <i>Biological Psychiatry</i> , 2021 ,	7.9	2
251	Laminar perfusion imaging with zoomed arterial spin labeling at 7 Tesla. <i>NeuroImage</i> , 2021 , 245, 118724-7.9		1
250	MRI biomarkers of small vessel disease and cognition: A cross-sectional study of a cognitively normal Mexican American cohort. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2021 , 13, e12236	5.2	0
249	Body mass index, time of day and genetics affect perivascular spaces in the white matter. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 1563-1578	7.3	13
248	Selective morphological and volumetric alterations in the hippocampus of children exposed in utero to gestational diabetes mellitus. <i>Human Brain Mapping</i> , 2021 , 42, 2583-2592	5.9	2
247	Robust Cortical Thickness Morphometry of Neonatal Brain and Systematic Evaluation Using Multi-Site MRI Datasets. <i>Frontiers in Neuroscience</i> , 2021 , 15, 650082	5.1	1
246	Volumetric distribution of perivascular space in relation to mild cognitive impairment. <i>Neurobiology of Aging</i> , 2021 , 99, 28-43	5.6	8
245	Retrospective motion artifact correction of structural MRI images using deep learning improves the quality of cortical surface reconstructions. <i>NeuroImage</i> , 2021 , 230, 117756	7.9	9
244	The Impact of Amyloid Burden and APOE on Rates of Cognitive Impairment in Late Life Depression. <i>Journal of Alzheimer's Disease</i> , 2021 , 80, 991-1002	4.3	1
243	Fronto-insular cortical microstructure is linked to life satisfaction in young adulthood. <i>Brain Imaging and Behavior</i> , 2021 , 1	4.1	1

242	Longitudinal Analysis of Multiple Neurotransmitter Metabolites in Cerebrospinal Fluid in Early Parkinson's Disease. <i>Movement Disorders</i> , 2021 , 36, 1972-1978	7	1
241	Three-dimensional self-attention conditional GAN with spectral normalization for multimodal neuroimaging synthesis. <i>Magnetic Resonance in Medicine</i> , 2021 , 86, 1718-1733	4.4	4
240	The Longitudinal Early-onset Alzheimer's Disease Study (LEADS): Framework and methodology. <i>Alzheimer's and Dementia</i> , 2021 ,	1.2	5
239	Morphological Development Trajectory and Structural Covariance Network of the Human Fetal Cortical Plate during the Early Second Trimester. <i>Cerebral Cortex</i> , 2021 , 31, 4794-4807	5.1	0
238	A blood screening tool for detecting mild cognitive impairment and Alzheimer's disease among community-dwelling Mexican Americans and non-Hispanic Whites: A method for increasing representation of diverse populations in clinical research. <i>Alzheimer's and Dementia</i> , 2021 ,	1.2	6
237	Early neuroinflammation is associated with lower amyloid and tau levels in cognitively normal older adults. <i>Brain, Behavior, and Immunity</i> , 2021 , 94, 299-307	16.6	2
236	Characterizing plasma NFL in a community-dwelling multi-ethnic cohort: Results from the HABLE study. <i>Alzheimer's and Dementia</i> , 2021 ,	1.2	8
235	Late-Life Depression Is Associated With Reduced Cortical Amyloid Burden: Findings From the Alzheimer's Disease Neuroimaging Initiative Depression Project. <i>Biological Psychiatry</i> , 2021 , 89, 757-765	7.9	17
234	The effect of body mass index on hippocampal morphology and memory performance in late childhood and adolescence. <i>Hippocampus</i> , 2021 , 31, 189-200	3.5	4
233	Neuroimaging PheWAS (Phenome-Wide Association Study): A Free Cloud-Computing Platform for Big-Data, Brain-Wide Imaging Association Studies. <i>Neuroinformatics</i> , 2021 , 19, 285-303	3.2	2
232	Tractography Processing with the Sparse Closest Point Transform. <i>Neuroinformatics</i> , 2021 , 19, 367-378	3.2	1
231	Global and Regional Changes in Perivascular Space in Idiopathic and Familial Parkinson's Disease. <i>Movement Disorders</i> , 2021 , 36, 1126-1136	7	11
230	Perivascular Space Imaging at Ultrahigh Field MR Imaging. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2021 , 29, 67-75	1.6	4
229	A systematic review of next-generation point-of-care stroke diagnostic technologies. <i>Neurosurgical Focus</i> , 2021 , 51, E11	4.2	2
228	Transcranial eddy current damping sensors for detection and imaging of hemorrhagic stroke: feasibility in benchtop experimentation. <i>Neurosurgical Focus</i> , 2021 , 51, E15	4.2	3
227	Accelerated functional brain aging in pre-clinical familial Alzheimer's disease. <i>Nature Communications</i> , 2021 , 12, 5346	17.4	6
226	Improving brain age estimates with deep learning leads to identification of novel genetic factors associated with brain aging. <i>Neurobiology of Aging</i> , 2021 , 105, 199-204	5.6	0
225	Using the Alzheimer's Disease Neuroimaging Initiative to improve early detection, diagnosis, and treatment of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2021 ,	1.2	4

224	Using Fractional Anisotropy Imaging to Detect Mild Cognitive Impairment and Alzheimer's Disease among Mexican Americans and Non-Hispanic Whites: A HABLE Study. <i>Dementia and Geriatric Cognitive Disorders</i> , 2021 , 50, 266-273	2.6	1
223	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. <i>NeuroImage</i> , 2021 , 243, 118502	7.9	18
222	The Health & Aging Brain among Latino Elders (HABLE) study methods and participant characteristics. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2021 , 13, e12202	5.2	11
221	Gearing up for the future: Exploring facilitators and barriers to inform clinical trial design in frontotemporal lobar degeneration.. <i>Alzheimer's and Dementia</i> , 2021 , 17 Suppl 7, e052495	1.2	
220	Distribution and volume analysis of early hemorrhagic contusions by MRI after traumatic brain injury: a preliminary report of the Epilepsy Bioinformatics Study for Antiepileptogenic Therapy (EpiBioS4Rx).. <i>Brain Imaging and Behavior</i> , 2021 , 15, 2804-2812	4.1	0
219	Investigating neural correlates of mild cognitive impairment using estimated clinical status from neuropsychological test battery: LASI-DAD. <i>Alzheimer's and Dementia</i> , 2020 , 16, e038440	1.2	
218	Amyloid and tau PET in sporadic early-onset Alzheimer's disease: Preliminary results from LEADS. <i>Alzheimer's and Dementia</i> , 2020 , 16, e041613	1.2	1
217	Intracellular signal changes in the anterosuperior medial temporal lobe associated with early cognitive decline. <i>Alzheimer's and Dementia</i> , 2020 , 16, e044218	1.2	
216	Relationships between cerebrovascular health and tau PET uptake are associated with global cognition. <i>Alzheimer's and Dementia</i> , 2020 , 16, e045326	1.2	
215	Studying the natural history of frontotemporal lobar degeneration (FTLD): The ARTFL LEFFTDS longitudinal FTLD (ALLFTD) protocol. <i>Alzheimer's and Dementia</i> , 2020 , 16, e045482	1.2	
214	Increased white matter MRI T1 hypointensity volume in young-onset Alzheimer's disease patients is not accounted for by age or cardiovascular risk factors. <i>Alzheimer's and Dementia</i> , 2020 , 16, e045577	1.2	
213	Alteration of perivascular spaces in early cognitive decline. <i>Alzheimer's and Dementia</i> , 2020 , 16, e045605	1.2	2
212	Neurodegeneration in the Longitudinal Evaluation of Early Onset Alzheimer's Disease Study (LEADS) sample: Results from the MRI core. <i>Alzheimer's and Dementia</i> , 2020 , 16, e046338	1.2	
211	Sex-associated differences in pathology burden in early-onset Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020 , 16, e046532	1.2	1
210	THC Exposure is Reflected in the Microstructure of the Cerebral Cortex and Amygdala of Young Adults. <i>Cerebral Cortex</i> , 2020 , 30, 4949-4963	5.1	6
209	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020 , 367,	33.3	156
208	Magnitude and timing of major white matter tract maturation from infancy through adolescence with NODDI. <i>NeuroImage</i> , 2020 , 212, 116672	7.9	28
207	Clinical and Dopamine Transporter Imaging Characteristics of Leucine Rich Repeat Kinase 2 (LRRK2) and Glucosylceramidase Beta (GBA) Parkinson's Disease Participants in the Parkinson's Progression Markers Initiative: A Cross-Sectional Study. <i>Movement Disorders</i> , 2020 , 35, 833-844	7	18

206	Fox Insight collects online, longitudinal patient-reported outcomes and genetic data on Parkinson's disease. <i>Scientific Data</i> , 2020 , 7, 67	8.2	27
205	Association of relative brain age with tobacco smoking, alcohol consumption, and genetic variants. <i>Scientific Reports</i> , 2020 , 10, 10	4.9	48
204	APOE4 leads to blood-brain barrier dysfunction predicting cognitive decline. <i>Nature</i> , 2020 , 581, 71-76	50.4	356
203	A novel sensitive assay for detection of a biomarker of pericyte injury in cerebrospinal fluid. <i>Alzheimer's and Dementia</i> , 2020 , 16, 821-830	1.2	22
202	Clinical and dopamine transporter imaging characteristics of non-manifest LRRK2 and GBA mutation carriers in the Parkinson's Progression Markers Initiative (PPMI): a cross-sectional study. <i>Lancet Neurology</i> , 2020 , 19, 71-80	24.1	37
201	Interaction effect of alcohol consumption and Alzheimer disease polygenic risk score on the brain cortical thickness of cognitively normal subjects. <i>Alcohol</i> , 2020 , 85, 1-12	2.7	9
200	Morphometric development of the human fetal cerebellum during the early second trimester. <i>NeuroImage</i> , 2020 , 207, 116372	7.9	4
199	Associations between Vascular Function and Tau PET Are Associated with Global Cognition and Amyloid. <i>Journal of Neuroscience</i> , 2020 , 40, 8573-8586	6.6	23
198	Disruption and Compensation of Sulcation-based Covariance Networks in Neonatal Brain Growth after Perinatal Injury. <i>Cerebral Cortex</i> , 2020 , 30, 6238-6253	5.1	7
197	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	10.9	4
196	Early brain biomarkers of post-traumatic seizures: initial report of the multicentre epilepsy bioinformatics study for antiepileptogenic therapy (EpiBioS4Rx) prospective study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020 , 91, 1154-1157	5.5	4
195	Compressive Big Data Analytics: An ensemble meta-algorithm for high-dimensional multisource datasets. <i>PLoS ONE</i> , 2020 , 15, e0228520	3.7	2
194	Validation of Serum Neurofilament Light Chain as a Biomarker of Parkinson's Disease Progression. <i>Movement Disorders</i> , 2020 , 35, 1999-2008	7	32
193	Multiplex Networks to Characterize Seizure Development in Traumatic Brain Injury Patients. <i>Frontiers in Neuroscience</i> , 2020 , 14, 591662	5.1	5
192	Imputation Strategy for Reliable Regional MRI Morphological Measurements. <i>Neuroinformatics</i> , 2020 , 18, 59-70	3.2	7
191	Parity is associated with cognitive function and brain age in both females and males. <i>Scientific Reports</i> , 2020 , 10, 6100	4.9	12
190	Image processing approaches to enhance perivascular space visibility and quantification using MRI. <i>Scientific Reports</i> , 2019 , 9, 12351	4.9	21
189	The LONI QC System: A Semi-Automated, Web-Based and Freely-Available Environment for the Comprehensive Quality Control of Neuroimaging Data. <i>Frontiers in Neuroinformatics</i> , 2019 , 13, 60	3.9	17

188	2019,		4
187	A Machine Learning Model to Predict Seizure Susceptibility from Resting-State fMRI Connectivity 2019,		5
186	Characterization of lenticulostriate arteries with high resolution black-blood T1-weighted turbo spin echo with variable flip angles at 3 and 7 Tesla. <i>NeuroImage</i> , 2019 , 199, 184-193	7.9	11
185	Perivascular space fluid contributes to diffusion tensor imaging changes in white matter. <i>NeuroImage</i> , 2019 , 197, 243-254	7.9	38
184	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	5.2	8
183	Predictive Big Data Analytics using the UK Biobank Data. <i>Scientific Reports</i> , 2019 , 9, 6012	4.9	13
182	Big data sharing and analysis to advance research in post-traumatic epilepsy. <i>Neurobiology of Disease</i> , 2019 , 123, 127-136	7.5	12
181	Using Virtual Reality to Improve Performance and User Experience in Manual Correction of MRI Segmentation Errors by Non-experts. <i>Journal of Digital Imaging</i> , 2019 , 32, 97-104	5.3	5
180	Signal Hyperintensity on Unenhanced T1-Weighted Brain and Cervical Spinal Cord MR Images after Multiple Doses of Linear Gadolinium-Based Contrast Agent. <i>American Journal of Neuroradiology</i> , 2019 , 40, 1274-1281	4.4	2
179	Imaging biomarkers of posttraumatic epileptogenesis. <i>Epilepsia</i> , 2019 , 60, 2151-2162	6.4	14
178	Grant Report on PREDICT-ADFTD: Multimodal Imaging Prediction of AD/FTD and Differential Diagnosis. <i>Journal of Psychiatry and Brain Science</i> , 2019 , 4,	1.7	3
177	O4-03-01: FRONTOTEMPORAL LOBAR DEGENERATION RESEARCH IN NORTH AMERICA: PROGRESS IN THE ARTFL/LEFFTDS CONSORTIA 2019 , 15, P1234-P1235		
176	IC-P-056: INTERACTION EFFECT OF APOE-4 AND SUBJECTIVE SLEEP QUALITY ON CORTICAL THICKNESS IN COGNITIVELY HEALTHY ADULTS 2019 , 15, P57-P57		
175	Undetectable gadolinium brain retention in individuals with an age-dependent blood-brain barrier breakdown in the hippocampus and mild cognitive impairment. <i>Alzheimer's and Dementia</i> , 2019 , 15, 1568-1575 ¹⁰	1.2	10
174	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019 , 51, 1624-1636	3.6	81
173	Final Results of the RHAPSODY Trial: A Multi-Center, Phase 2 Trial Using a Continual Reassessment Method to Determine the Safety and Tolerability of 3K3A-APC, A Recombinant Variant of Human Activated Protein C, in Combination with Tissue Plasminogen Activator, Mechanical Thrombectomy or both in Moderate to Severe Acute Ischemic Stroke. <i>Annals of Neurology</i> , 2019 , 85, 125-136	9.4	63
172	Vascular dysfunction-The disregarded partner of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2019 , 15, 158-167	1.2	265
171	Blood-brain barrier breakdown is an early biomarker of human cognitive dysfunction. <i>Nature Medicine</i> , 2019 , 25, 270-276	50.5	577

170	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	3	16
169	Understanding disease progression and improving Alzheimer's disease clinical trials: Recent highlights from the Alzheimer's Disease Neuroimaging Initiative. <i>Alzheimers and Dementia</i> , 2019 , 15, 106-152	1.2	153
168	Age-Related Differences in Brain Morphology and the Modifiers in Middle-Aged and Older Adults. <i>Cerebral Cortex</i> , 2019 , 29, 4169-4193	5.1	20
167	Limits to anatomical accuracy of diffusion tractography using modern approaches. <i>NeuroImage</i> , 2019 , 185, 1-11	7.9	110
166	Hippocampal Shape Maturation in Childhood and Adolescence. <i>Cerebral Cortex</i> , 2019 , 29, 3651-3665	5.1	8
165	When tractography meets tracer injections: a systematic study of trends and variation sources of diffusion-based connectivity. <i>Brain Structure and Function</i> , 2018 , 223, 2841-2858	4	36
164	Brain structure differences between Chinese and Caucasian cohorts: A comprehensive morphometry study. <i>Human Brain Mapping</i> , 2018 , 39, 2147-2155	5.9	24
163	Neuroanatomical morphometric characterization of sex differences in youth using statistical learning. <i>NeuroImage</i> , 2018 , 172, 217-227	7.9	68
162	Classifying Alzheimer's disease with brain imaging and genetic data using a neural network framework. <i>Neurobiology of Aging</i> , 2018 , 68, 151-158	5.6	23
161	Topological false discovery rates for brain mapping based on signal height. <i>NeuroImage</i> , 2018 , 167, 478-487	4.8	2
160	Modeling topographic regularity in structural brain connectivity with application to tractogram filtering. <i>NeuroImage</i> , 2018 , 183, 87-98	7.9	10
159	Data Sharing in Alzheimer's Disease Research. <i>US Neurology</i> , 2018 , 14, 68	0.3	1
158	A probabilistic atlas of human brainstem pathways based on connectome imaging data. <i>NeuroImage</i> , 2018 , 169, 227-239	7.9	43
157	P1-433: GRAY MATTER DEFICITS IN SYMPTOMATIC AND PRESYMPTOMATIC MAPT MUTATION CARRIERS 2018 , 14, P475-P476		
156	O2-14-06: DIFFERENCES BETWEEN SPORADIC AND FAMILIAL BEHAVIORAL VARIANT FTD IN ADVANCING RESEARCH AND TREATMENT FOR FTLD (ARTFL) CLINICAL RESEARCH CONSORTIUM 2018 , 14, P658-P659		
155	IC-P-030: CSF SPDGFRB, A MEASURE OF VASCULAR DYSFUNCTION, IS RELATED TO DISRUPTED FUNCTIONAL CONNECTIVITY AMONG BRAIN REGIONS ASSOCIATED WITH ALZHEIMER'S DISEASE 2018 , 14, P34-P35		
154	P1-281: NONLINEAR N-SCORE ESTIMATION FOR ESTABLISHING COGNITIVE NORMS FROM THE NATIONAL ALZHEIMER'S COORDINATING CENTER (NACC) DATASET 2018 , 14, P390-P391		1
153	S3-01-03: APOE AND SEX DIFFERENCES ON ALZHEIMER'S DISEASE RISK 2018 , 14, P995-P995		

152	O2-14-02: THE CLINICAL SPECTRUM OF FRONTOTEMPORAL LOBAR DEGENERATION IN NORTH AMERICA: BASELINE CHARACTERISTICS OF THE FIRST 912 PARTICIPANTS FROM THE ADVANCING RESEARCH AND TREATMENT IN FTLD (ARTFL) CLINICAL RESEARCH CONSORTIUM 2018 , 14, P656-P657		
151	O2-14-01: CHARACTERISTICS AND PROGRESS OF 320 SUBJECTS IN THE LONGITUDINAL EVALUATION OF FAMILIAL FRONTOTEMPORAL DEMENTIA SUBJECTS (LEFFTDS) PROTOCOL 2018 , 14, P656-P656		
150	P2-448: CSF SPDGFRB, A MEASURE OF VASCULAR DYSFUNCTION, IS RELATED TO DISRUPTED FUNCTIONAL CONNECTIVITY AMONG BRAIN REGIONS ASSOCIATED WITH ALZHEIMER'S DISEASE 2018 , 14, P889-P890		
149	P1-419: USING A BRAIN NETWORK APPROACH TO PREDICT GENETIC MUTATION IN INDIVIDUAL PATIENTS WITH FAMILIAL FRONTOTEMPORAL DEMENTIA 2018 , 14, P465-P466		
148	The Parkinson's progression markers initiative (PPMI) - establishing a PD biomarker cohort. <i>Annals of Clinical and Translational Neurology</i> , 2018 , 5, 1460-1477	5.3	142
147	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	3.9	15
146	IC-P-059: REVEALING SMALL SUBFIELDS OF HIPPOCAMPUS IN VIVO WITH 7T STRUCTURAL MRI 2018 , 14, P55-P56		3
145	The role of brain vasculature in neurodegenerative disorders. <i>Nature Neuroscience</i> , 2018 , 21, 1318-1331	25.5	338
144	P1-288: THE DOMINANTLY INHERITED ALZHEIMER NETWORK (DIAN)-ALZHEIMER'S DISEASE NEUROIMAGING INITIATIVE (ADNI) COMPARISON STUDY: CHALLENGES AND OPPORTUNITIES 2018 , 14, P395-P396		1
143	Response to Zywieck and Kirkby paper. <i>Neurobiology of Aging</i> , 2018 , 69, 298-299	5.6	
142	Recent publications from the Alzheimer's Disease Neuroimaging Initiative: Reviewing progress toward improved AD clinical trials. <i>Alzheimer's and Dementia</i> , 2017 , 13, e1-e85	1.2	157
141	The Alzheimer's Disease Neuroimaging Initiative 3: Continued innovation for clinical trial improvement. <i>Alzheimer's and Dementia</i> , 2017 , 13, 561-571	1.2	137
140	Association analysis of rare variants near the APOE region with CSF and neuroimaging biomarkers of Alzheimer's disease. <i>BMC Medical Genomics</i> , 2017 , 10, 29	3.7	17
139	[F10403]: THE GLOBAL ALZHEIMER'S ASSOCIATION INTERACTIVE NETWORK (GAAIN) 2017 , 13, P178		1
138	Apolipoprotein E Genotype and Sex Risk Factors for Alzheimer Disease: A Meta-analysis. <i>JAMA Neurology</i> , 2017 , 74, 1178-1189	17.2	281
137	Classification of MRI and psychological testing data based on support vector machine. <i>International Journal of Clinical and Experimental Medicine</i> , 2017 , 10, 16004-16026		1
136	Topographic Regularity for Tract Filtering in Brain Connectivity. <i>Lecture Notes in Computer Science</i> , 2017 , 10265, 263-274	0.9	6
135	The Function Biomedical Informatics Research Network Data Repository. <i>NeuroImage</i> , 2016 , 124, 1074-1079	10.7	53

134	MGH-USC Human Connectome Project datasets with ultra-high b-value diffusion MRI. <i>NeuroImage</i> , 2016 , 124, 1108-1114	7.9	144
133	The Global Alzheimer's Association Interactive Network. <i>Alzheimer's and Dementia</i> , 2016 , 12, 49-54	1.2	20
132	Sharing data in the global alzheimer's association interactive network. <i>NeuroImage</i> , 2016 , 124, 1168-1174	4.9	15
131	Integration of bioinformatics and imaging informatics for identifying rare PSEN1 variants in Alzheimer's disease. <i>BMC Medical Genomics</i> , 2016 , 9 Suppl 1, 30	3.7	16
130	Phenotypic and Genetic Correlations Between the Lobar Segments of the Inferior Fronto-occipital Fasciculus and Attention. <i>Scientific Reports</i> , 2016 , 6, 33015	4.9	5
129	Transformation Invariant Control of Voxel-Wise False Discovery Rate. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 2243-2257	11.7	2
128	The mouse cortico-striatal projectome. <i>Nature Neuroscience</i> , 2016 , 19, 1100-14	25.5	260
127	The Image and Data Archive at the Laboratory of Neuro Imaging. <i>NeuroImage</i> , 2016 , 124, 1080-1083	7.9	23
126	Automated retinofugal visual pathway reconstruction with multi-shell HARDI and FOD-based analysis. <i>NeuroImage</i> , 2016 , 125, 767-779	7.9	38
125	CSF biomarkers associated with disease heterogeneity in early Parkinson's disease: the Parkinson's Progression Markers Initiative study. <i>Acta Neuropathologica</i> , 2016 , 131, 935-49	14.3	138
124	Blood-Brain Barrier Permeability and Gadolinium: Benefits and Potential Pitfalls in Research. <i>JAMA Neurology</i> , 2016 , 73, 13-4	17.2	56
123	Predictive Big Data Analytics: A Study of Parkinson's Disease Using Large, Complex, Heterogeneous, Incongruent, Multi-Source and Incomplete Observations. <i>PLoS ONE</i> , 2016 , 11, e0157077	3.7	75
122	Global Data Sharing in Alzheimer Disease Research. <i>Alzheimer Disease and Associated Disorders</i> , 2016 , 30, 160-8	2.5	18
121	I'll take that to go: Big data bags and minimal identifiers for exchange of large, complex datasets 2016 ,		19
120	Brain imaging of neurovascular dysfunction in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2016 , 131, 687-707	14.3	124
119	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016 , 19, 1569-1582	25.5	147
118	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015 , 520, 224-9	50.4	601
117	2014 Update of the Alzheimer's Disease Neuroimaging Initiative: A review of papers published since its inception. <i>Alzheimer's and Dementia</i> , 2015 , 11, e1-120	1.2	206

116	Big biomedical data as the key resource for discovery science. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015 , 22, 1126-31	8.6	58
115	The Alzheimer's Disease Neuroimaging Initiative informatics core: A decade in review. <i>Alzheimer's and Dementia</i> , 2015 , 11, 832-9	1.2	15
114	Genetic studies of quantitative MCI and AD phenotypes in ADNI: Progress, opportunities, and plans. <i>Alzheimer's and Dementia</i> , 2015 , 11, 792-814	1.2	167
113	Development of the human fetal hippocampal formation during early second trimester. <i>NeuroImage</i> , 2015 , 119, 33-43	7.9	29
112	Sharing big biomedical data. <i>Journal of Big Data</i> , 2015 , 2,	11.7	29
111	GWAS of longitudinal amyloid accumulation on 18F-florbetapir PET in Alzheimer's disease implicates microglial activation gene IL1RAP. <i>Brain</i> , 2015 , 138, 3076-88	11.2	88
110	Brain connectivity and novel network measures for Alzheimer's disease classification. <i>Neurobiology of Aging</i> , 2015 , 36 Suppl 1, S121-31	5.6	68
109	Shifting brain asymmetry: the link between meditation and structural lateralization. <i>Social Cognitive and Affective Neuroscience</i> , 2015 , 10, 55-61	4	38
108	FTS-01-02: The global Alzheimer's association interactive network (GAAIN) 2015 , 11, P121-P121		5
107	Structural Brain Changes in Early-Onset Alzheimer's Disease Subjects Using the LONI Pipeline Environment. <i>Journal of Neuroimaging</i> , 2015 , 25, 728-37	2.8	9
106	Structural Neuroimaging Genetics Interactions in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015 , 48, 1051-63	4.3	31
105	Medical data transformation using rewriting. <i>Frontiers in Neuroinformatics</i> , 2015 , 9, 1	3.9	31
104	Precompetitive Data Sharing as a Catalyst to Address Unmet Needs in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2015 , 5, 581-94	5.3	22
103	Imaging in StrokeNet: Realizing the Potential of Big Data. <i>Stroke</i> , 2015 , 46, 2000-6	6.7	21
102	Reply: Cortical differences in preliterate children at familiar risk of dyslexia are similar to those observed in dyslexic readers. <i>Brain</i> , 2015 , 138, e379	11.2	1
101	Higher homocysteine associated with thinner cortical gray matter in 803 participants from the Alzheimer's Disease Neuroimaging Initiative. <i>Neurobiology of Aging</i> , 2015 , 36 Suppl 1, S203-10	5.6	44
100	Blood-brain barrier breakdown in the aging human hippocampus. <i>Neuron</i> , 2015 , 85, 296-302	13.9	1023
99	Mapping ventricular expansion onto cortical gray matter in older adults. <i>Neurobiology of Aging</i> , 2015 , 36 Suppl 1, S32-41	5.6	26

98	Empowering imaging biomarkers of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015 , 36 Suppl 1, S69-80;6	20
97	The GAAIN Entity Mapper: An Active-Learning System for Medical Data Mapping. <i>Frontiers in Neuroinformatics</i> , 2015 , 9, 30	3.9 2
96	Neural networks of the mouse neocortex. <i>Cell</i> , 2014 , 156, 1096-111	56.2 454
95	Coiling and maturation of a high-performance fibre in hagfish slime gland thread cells. <i>Nature Communications</i> , 2014 , 5, 3534	17.4 32
94	Human neuroimaging as a "Big Data" science. <i>Brain Imaging and Behavior</i> , 2014 , 8, 323-31	4.1 89
93	Automatic clustering and population analysis of white matter tracts using maximum density paths. <i>NeuroImage</i> , 2014 , 97, 284-95	7.9 26
92	Neuroanatomical precursors of dyslexia identified from pre-reading through to age 11. <i>Brain</i> , 2014 , 137, 3136-41	11.2 104
91	Skull-stripping with machine learning deformable organisms. <i>Journal of Neuroscience Methods</i> , 2014 , 236, 114-24	3 6
90	Obesity gene NEGR1 associated with white matter integrity in healthy young adults. <i>NeuroImage</i> , 2014 , 102 Pt 2, 548-57	7.9 27
89	Metric optimization for surface analysis in the Laplace-Beltrami embedding space. <i>IEEE Transactions on Medical Imaging</i> , 2014 , 33, 1447-63	11.7 26
88	Multi-site study of additive genetic effects on fractional anisotropy of cerebral white matter: Comparing meta and mega-analytical approaches for data pooling. <i>NeuroImage</i> , 2014 , 95, 136-50	7.9 95
87	Automatic clustering of white matter fibers in brain diffusion MRI with an application to genetics. <i>NeuroImage</i> , 2014 , 100, 75-90	7.9 102
86	P3-024: NEXT-GENERATION SEQUENCING OF THE BCHE LOCUS IDENTIFIES A FUNCTIONAL SNP ASSOCIATED WITH ALZHEIMER'S DISEASE BIOMARKERS AND AGE OF ONSET 2014 , 10, P636-P636	
85	High-throughput neuroimaging-genetics computational infrastructure. <i>Frontiers in Neuroinformatics</i> , 2014 , 8, 41	3.9 23
84	Effects of sex chromosome dosage on corpus callosum morphology in supernumerary sex chromosome aneuploidies. <i>Biology of Sex Differences</i> , 2014 , 5, 16	9.3 8
83	Connectopathy in ageing and dementia. <i>Brain</i> , 2014 , 137, 3104-6	11.2 10
82	Alzheimer's Disease Disrupts Rich Club Organization in Brain Connectivity Networks 2013 , 266-269	1.5 31
81	TRACTOGRAPHY DENSITY AND NETWORK MEASURES IN ALZHEIMER'S DISEASE 2013 , 2013, 692-695	1.5 25

80	FLOW-BASED NETWORK MEASURES OF BRAIN CONNECTIVITY IN ALZHEIMER'S DISEASE 2013 , 2013, 258-261	1.5	5
79	Genome-wide scan of healthy human connectome discovers SPON1 gene variant influencing dementia severity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 4768-73	11.5	123
78	Multi-site genetic analysis of diffusion images and voxelwise heritability analysis: a pilot project of the ENIGMA-DTI working group. <i>NeuroImage</i> , 2013 , 81, 455-469	7.9	278
77	The Alzheimer's Disease Neuroimaging Initiative: a review of papers published since its inception. <i>Alzheimer's and Dementia</i> , 2013 , 9, e111-94	1.2	296
76	Spatial-temporal atlas of human fetal brain development during the early second trimester. <i>NeuroImage</i> , 2013 , 82, 115-26	7.9	45
75	Development of brain structural connectivity between ages 12 and 30: a 4-Tesla diffusion imaging study in 439 adolescents and adults. <i>NeuroImage</i> , 2013 , 64, 671-84	7.9	140
74	Statistical shape analysis of the corpus callosum in Schizophrenia. <i>NeuroImage</i> , 2013 , 64, 547-59	7.9	24
73	DEVELOPMENT OF THE "RICH CLUB" IN BRAIN CONNECTIVITY NETWORKS FROM 438 ADOLESCENTS & ADULTS AGED 12 TO 30 2013 , 624-627	1.5	22
72	Exhaustive search of the SNP-SNP interactome identifies epistatic effects on brain volume in two cohorts. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 600-7	0.9	8
71	Voxelwise spectral diffusional connectivity and its applications to Alzheimer's disease and intelligence prediction. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 655-62	0.9	17
70	Anatomical validation of diffusion tensor imaging (DTI). <i>FASEB Journal</i> , 2013 , 27, 532.3	0.9	
69	Visual correlation between iron, amyloid-beta, and tau depositions in the medial temporal lobe of Alzheimer's disease post-mortem brains. <i>FASEB Journal</i> , 2013 , 27, 533.11	0.9	
68	Empirical development of a histological protocol for whole brain sectioning to characterize neuropathological patterns in human specimens. <i>FASEB Journal</i> , 2013 , 27, 967.2	0.9	
67	Cyto- and chemoarchitecture of the hypothalamic paraventricular nucleus in the C57BL/6J male mouse: A study of immunostaining and multiple fluorescent tract tracing. <i>Journal of Comparative Neurology</i> , 2012 , 520, Spc1-Spc1	3.4	
66	Identification of common variants associated with human hippocampal and intracranial volumes. <i>Nature Genetics</i> , 2012 , 44, 552-61	36.3	498
65	LEFT VERSUS RIGHT HEMISPHERE DIFFERENCES IN BRAIN CONNECTIVITY: 4-TESLA HARDI TRACTOGRAPHY IN 569 TWINS 2012 , 2012, 526-529	1.5	14
64	The clinical value of large neuroimaging data sets in Alzheimer's disease. <i>Neuroimaging Clinics of North America</i> , 2012 , 22, 107-18, ix	3	9
63	Practical management of heterogeneous neuroimaging metadata by global neuroimaging data repositories. <i>Frontiers in Neuroinformatics</i> , 2012 , 6, 8	3.9	10

62	How a common variant in the growth factor receptor gene, NTRK1, affects white matter. <i>Bioarchitecture</i> , 2012 , 2, 181-4		7
61	The Center for Computational Biology: resources, achievements, and challenges. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012 , 19, 202-6	8.6	4
60	Mapping the human connectome. <i>Neurosurgery</i> , 2012 , 71, 1-5	3.2	107
59	Accurate measurement of brain changes in longitudinal MRI scans using tensor-based morphometry. <i>NeuroImage</i> , 2011 , 57, 5-14	7.9	71
58	The Parkinson Progression Marker Initiative (PPMI). <i>Progress in Neurobiology</i> , 2011 , 95, 629-35	10.9	793
57	COMPARISON OF VOLUMETRIC REGISTRATION ALGORITHMS FOR TENSOR-BASED MORPHOMETRY 2011 , 2011, 1536-1541	1.5	0
56	ATLAS-BASED FIBER CLUSTERING FOR MULTI-SUBJECT ANALYSIS OF HIGH ANGULAR RESOLUTION DIFFUSION IMAGING TRACTOGRAPHY 2011 , 2011, 276-280	1.5	9
55	SKULL-STRIPPING WITH DEFORMABLE ORGANISMS 2011 , 1662-1665	1.5	2
54	Neuroimaging study designs, computational analyses and data provenance using the LONI pipeline. <i>PLoS ONE</i> , 2010 , 5, e13070	3.7	111
53	VENTRICULAR MAPS IN 804 SUBJECTS CORRELATE WITH COGNITIVE DECLINE, CSF PATHOLOGY, AND IMMINENT ALZHEIMER'S DISEASE 2010 , 2010, 241-244	1.5	2
52	A Narrow-Band Approach for Approximating the Laplace-Beltrami Spectrum of 3D Shapes 2010 ,		2
51	The informatics core of the Alzheimer's Disease Neuroimaging Initiative. <i>Alzheimer's and Dementia</i> , 2010 , 6, 247-56	1.2	28
50	Clinical Core of the Alzheimer's Disease Neuroimaging Initiative: progress and plans. <i>Alzheimer's and Dementia</i> , 2010 , 6, 239-46	1.2	308
49	The Alzheimer's disease neuroimaging initiative: progress report and future plans. <i>Alzheimer's and Dementia</i> , 2010 , 6, 202-11.e7	1.2	332
48	Multivariate tensor-based morphometry on surfaces: application to mapping ventricular abnormalities in HIV/AIDS. <i>NeuroImage</i> , 2010 , 49, 2141-57	7.9	75
47	A GENETIC ANALYSIS OF CORTICAL THICKNESS IN 372 TWINS 2010 , 2010, 101-104	1.5	1
46	Robust surface reconstruction via Laplace-Beltrami eigen-projection and boundary deformation. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 2009-22	11.7	38
45	Efficient, Distributed and Interactive Neuroimaging Data Analysis Using the LONI Pipeline. <i>Frontiers in Neuroinformatics</i> , 2009 , 3, 22	3.9	109

44	REDUCING STRUCTURAL VARIATION TO DETERMINE THE GENETICS OF WHITE MATTER INTEGRITY ACROSS HEMISPHERES - A DTI STUDY OF 100 TWINS 2009 , 2009, 819-822	1.5	
43	The myth of the normal, average human brain--the ICBM experience: (1) subject screening and eligibility. <i>NeuroImage</i> , 2009 , 44, 914-22	7.9	37
42	Multisite neuroimaging trials. <i>Current Opinion in Neurology</i> , 2009 , 22, 370-8	7.1	62
41	Inverse-consistent surface mapping with Laplace-Beltrami eigen-features. <i>Lecture Notes in Computer Science</i> , 2009 , 21, 467-78	0.9	32
40	Automated ventricular mapping with multi-atlas fluid image alignment reveals genetic effects in Alzheimer's disease. <i>NeuroImage</i> , 2008 , 40, 615-630	7.9	64
39	Provenance in neuroimaging. <i>NeuroImage</i> , 2008 , 42, 178-95	7.9	54
38	Fast 3D Fluid Registration of Brain Magnetic Resonance Images. <i>Proceedings of SPIE</i> , 2008 , 6916,	1.7	17
37	BEST INDIVIDUAL TEMPLATE SELECTION FROM DEFORMATION TENSOR MINIMIZATION 2008 , 2008, 460-463	1.5	13
36	COMPARISON OF FRACTIONAL AND GEODESIC ANISOTROPY IN DIFFUSION TENSOR IMAGES OF 90 MONOZYGOTIC AND DIZYGOTIC TWINS 2008 , 2008, 943-946	1.5	13
35	What is where and why it is important. <i>NeuroImage</i> , 2007 , 37, 1045-9; discussion 1066-8	7.9	29
34	Mapping brain maturation. <i>Trends in Neurosciences</i> , 2006 , 29, 148-59	13.3	620
33	Towards multimodal atlases of the human brain. <i>Nature Reviews Neuroscience</i> , 2006 , 7, 952-66	13.5	231
32	The LONI Debabeler: a mediator for neuroimaging software. <i>NeuroImage</i> , 2005 , 24, 1170-9	7.9	25
31	Computational biology for visualization of brain structure. <i>Anatomy and Embryology</i> , 2005 , 210, 433-8		4
30	Brain atlases of normal and diseased populations. <i>International Review of Neurobiology</i> , 2005 , 66, 1-54	4.4	10
29	Spatiotemporal evolution of functional hemodynamic changes and their relationship to neuronal activity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S324-S324	7.3	3
28	Dynamic mapping of human cortical development during childhood through early adulthood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 8174-9	11.5	3862
27	Mapping hippocampal and ventricular change in Alzheimer disease. <i>NeuroImage</i> , 2004 , 22, 1754-66	7.9	467

26 Neuroimaging Alzheimer's disease **2004**, 128-160

25 Temporal dynamics of brain anatomy. *Annual Review of Biomedical Engineering*, **2003**, 5, 119-45 12 49

24 Cerebral Cortex Diseases and Cortical Localization **2003**, 3

23 Towards effective and rewarding data sharing. *Neuroinformatics*, **2003**, 1, 289-95 3.2 63

22 Neuroscience data and tool sharing: a legal and policy framework for neuroinformatics. *Neuroinformatics*, **2003**, 1, 149-65 3.2 45

21 The LONI Pipeline Processing Environment. *NeuroImage*, **2003**, 19, 1033-48 7.9 262

20 Mapping brain asymmetry. *Nature Reviews Neuroscience*, **2003**, 4, 37-48 13.5 981

19 A framework for computational anatomy. *Computing and Visualization in Science*, **2002**, 5, 13-34 1 109

18 Neuroimage databases: the good, the bad and the ugly. *Nature Reviews Neuroscience*, **2002**, 3, 302-9 13.5 94

17 Neuroinformatics: the integration of shared databases and tools towards integrative neuroscience. *Journal of Integrative Neuroscience*, **2002**, 1, 117-28 1.5 58

16 Imaging databases and neuroscience. *Neuroscientist*, **2002**, 8, 423-36 7.6 17

15 New approaches in brain morphometry. *American Journal of Geriatric Psychiatry*, **2002**, 10, 13-23 6.5 10

14 Maps of the brain. *The Anatomical Record*, **2001**, 265, 37-53 105

13 Genetic influences on brain structure. *Nature Neuroscience*, **2001**, 4, 1253-8 25.5 867

12 A probabilistic atlas and reference system for the human brain: International Consortium for Brain Mapping (ICBM). *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2001**, 356, 1293-322 5.8 1582

11 Growth patterns in the developing brain detected by using continuum mechanical tensor maps. *Nature*, **2000**, 404, 190-3 50.4 690

10 Creation and use of a Talairach-compatible atlas for accurate, automated, nonlinear intersubject registration, and analysis of functional imaging data. *Human Brain Mapping*, **1999**, 8, 73-9 5.9 134

9 Creation and use of a Talairach-compatible atlas for accurate, automated, nonlinear intersubject registration, and analysis of functional imaging data **1999**, 8, 73 6

8	Three-dimensional skeleton and centerline generation based on an approximate minimum distance field. <i>Visual Computer</i> , 1998 , 14, 303-314	2.3	69
7	Brain-mapping neurotoxicity and neuropathology. <i>Annals of the New York Academy of Sciences</i> , 1997 , 820, 1-13	6.5	4
6	Quantification of white matter and gray matter volumes from T1 parametric images using fuzzy classifiers. <i>Journal of Magnetic Resonance Imaging</i> , 1996 , 6, 425-35	5.6	34
5	A probabilistic atlas of the human brain: theory and rationale for its development. The International Consortium for Brain Mapping (ICBM). <i>NeuroImage</i> , 1995 , 2, 89-101	7.9	1208
4	Relating structure to function in vivo with tomographic imaging. <i>Novartis Foundation Symposium</i> , 1991 , 163, 93-101; discussion 101-12		1
3	Association of brain age with smoking, alcohol consumption, and genetic variants		4
2	Brain age predicted using graph convolutional neural network explains developmental trajectory in preterm neonates		1
1	Quality Control Metrics for Whole Blood Transcriptome Analysis in the Parkinson's Progression Markers Initiative (PPMI)		2