

Arthur W Toga

List of Publications by Year in descending order

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Version: 2024-02-01

268
papers

33,378
citations

15880

67
h-index

5244

171
g-index

298
all docs

298
docs citations

298
times ranked

39612
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic mapping of human cortical development during childhood through early adulthood. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8174-8179.	3.3	4,590
2	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, 1293-1322.	1.8	1,959
3	Blood-Brain Barrier Breakdown in the Aging Human Hippocampus. Neuron, 2015, 85, 296-302.	3.8	1,436
4	A Probabilistic Atlas of the Human Brain: Theory and Rationale for Its Development. NeuroImage, 1995, 2, 89-101.	2.1	1,411
5	The Parkinson Progression Marker Initiative (PPMI). Progress in Neurobiology, 2011, 95, 629-635.	2.8	1,278
6	Mapping brain asymmetry. Nature Reviews Neuroscience, 2003, 4, 37-48.	4.9	1,256
7	Genetic influences on brain structure. Nature Neuroscience, 2001, 4, 1253-1258.	7.1	1,018
8	Blood-brain barrier breakdown is an early biomarker of human cognitive dysfunction. Nature Medicine, 2019, 25, 270-276.	15.2	987
9	Growth patterns in the developing brain detected by using continuum mechanical tensor maps. Nature, 2000, 404, 190-193.	13.7	781
10	Common genetic variants influence human subcortical brain structures. Nature, 2015, 520, 224-229.	13.7	772
11	Mapping brain maturation. Trends in Neurosciences, 2006, 29, 148-159.	4.2	726
12	APOE4 leads to blood-brain barrier dysfunction predicting cognitive decline. Nature, 2020, 581, 71-76.	13.7	705
13	Neural Networks of the Mouse Neocortex. Cell, 2014, 156, 1096-1111.	13.5	675
14	The role of brain vasculature in neurodegenerative disorders. Nature Neuroscience, 2018, 21, 1318-1331.	7.1	612
15	Identification of common variants associated with human hippocampal and intracranial volumes. Nature Genetics, 2012, 44, 552-561.	9.4	594
16	Mapping hippocampal and ventricular change in Alzheimer disease. NeuroImage, 2004, 22, 1754-1766.	2.1	554
17	The Alzheimer's Disease Neuroimaging Initiative: A review of papers published since its inception. Alzheimer's and Dementia, 2013, 9, e111-94.	0.4	535
18	Apolipoprotein E Genotype and Sex Risk Factors for Alzheimer Disease. JAMA Neurology, 2017, 74, 1178.	4.5	454

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19	Vascular dysfunctionâ€”The disregarded partner of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2019, 15, 158-167.	0.4	454
20	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	6.0	450
21	The Alzheimer's Disease Neuroimaging Initiative: Progress report and future plans. <i>Alzheimer's and Dementia</i> , 2010, 6, 202.	0.4	443
22	The mouse cortico-striatal projectome. <i>Nature Neuroscience</i> , 2016, 19, 1100-1114.	7.1	412
23	Clinical core of the Alzheimer's disease neuroimaging initiative: Progress and plans. <i>Alzheimer's and Dementia</i> , 2010, 6, 239-246.	0.4	402
24	Multi-site genetic analysis of diffusion images and voxelwise heritability analysis: A pilot project of the ENIGMAâ€”DTI working group. <i>NeuroImage</i> , 2013, 81, 455-469.	2.1	354
25	The Parkinson's progression markers initiative (PPMI) â€” establishing a PD biomarker cohort. <i>Annals of Clinical and Translational Neurology</i> , 2018, 5, 1460-1477.	1.7	330
26	Understanding disease progression and improving Alzheimer's disease clinical trials: Recent highlights from the Alzheimer's Disease Neuroimaging Initiative. <i>Alzheimer's and Dementia</i> , 2019, 15, 106-152.	0.4	302
27	The LONI Pipeline Processing Environment. <i>NeuroImage</i> , 2003, 19, 1033-1048.	2.1	295
28	The Alzheimer's Disease Neuroimaging Initiative 3: Continued innovation for clinical trial improvement. <i>Alzheimer's and Dementia</i> , 2017, 13, 561-571.	0.4	266
29	Towards multimodal atlases of the human brain. <i>Nature Reviews Neuroscience</i> , 2006, 7, 952-966.	4.9	261
30	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.	0.4	261
31	Genetic studies of quantitative MCI and AD phenotypes in ADNI: Progress, opportunities, and plans. <i>Alzheimer's and Dementia</i> , 2015, 11, 792-814.	0.4	241
32	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	7.1	213
33	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.	0.4	213
34	MGHâ€”USC Human Connectome Project datasets with ultra-high b-value diffusion MRI. <i>NeuroImage</i> , 2016, 124, 1108-1114.	2.1	209
35	Limits to anatomical accuracy of diffusion tractography using modern approaches. <i>NeuroImage</i> , 2019, 185, 1-11.	2.1	200
36	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	9.4	192

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37	CSF biomarkers associated with disease heterogeneity in early Parkinson's disease: the Parkinson's Progression Markers Initiative study. <i>Acta Neuropathologica</i> , 2016, 131, 935-949.	3.9	190
38	Mapping the Human Connectome. <i>Neurosurgery</i> , 2012, 71, 1-5.	0.6	187
39	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, 671-684.	2.1	172
40	Brain imaging of neurovascular dysfunction in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2016, 131, 687-707.	3.9	160
41	Creation and use of a Talairach-compatible atlas for accurate, automated, nonlinear intersubject registration, and analysis of functional imaging data. <i>Human Brain Mapping</i> , 1999, 8, 73-79.	1.9	147
42	Genome-wide scan of healthy human connectome discovers <i>SPON1</i> gene variant influencing dementia severity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4768-4773.	3.3	141
43	Efficient, Distributed and Interactive Neuroimaging Data Analysis using the LONI Pipeline. <i>Frontiers in Neuroinformatics</i> , 2009, 3, 22.	1.3	136
44	A framework for computational anatomy. <i>Computing and Visualization in Science</i> , 2002, 5, 13-34.	1.2	134
45	Neuroanatomical precursors of dyslexia identified from pre-reading through to age 11. <i>Brain</i> , 2014, 137, 3136-3141.	3.7	127
46	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, 136-150.	2.1	127
47	Association of relative brain age with tobacco smoking, alcohol consumption, and genetic variants. <i>Scientific Reports</i> , 2020, 10, 10.	1.6	121
48	Neuroimaging Study Designs, Computational Analyses and Data Provenance Using the LONI Pipeline. <i>PLoS ONE</i> , 2010, 5, e13070.	1.1	120
49	Human neuroimaging as a "Big Data" science. <i>Brain Imaging and Behavior</i> , 2014, 8, 323-331.	1.1	120
50	Maps of the Brain. <i>The Anatomical Record</i> , 2001, 265, 37-53.	2.3	117
51	Automatic clustering of white matter fibers in brain diffusion MRI with an application to genetics. <i>NeuroImage</i> , 2014, 100, 75-90.	2.1	117
52	GWAS of longitudinal amyloid accumulation on ¹⁸ F-florbetapir PET in Alzheimer's disease implicates microglial activation gene <i>IL1RAP</i> . <i>Brain</i> , 2015, 138, 3076-3088.	3.7	117
53	The Function Biomedical Informatics Research Network Data Repository. <i>NeuroImage</i> , 2016, 124, 1074-1079.	2.1	114
54	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.	2.8	113

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55	Neuroimage databases: The good, the bad and the ugly. <i>Nature Reviews Neuroscience</i> , 2002, 3, 302-309.	4.9	110
56	Validation of Serum Neurofilament Light Chain as a Biomarker of Parkinson's Disease Progression. <i>Movement Disorders</i> , 2020, 35, 1999-2008.	2.2	104
57	Three-dimensional skeleton and centerline generation based on an approximate minimum distance field. <i>Visual Computer</i> , 1998, 14, 303-314.	2.5	94
58	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.	1.1	94
59	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.	4.9	94
60	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. <i>NeuroImage</i> , 2021, 243, 118502.	2.1	94
61	Multivariate tensor-based morphometry on surfaces: Application to mapping ventricular abnormalities in HIV/AIDS. <i>NeuroImage</i> , 2010, 49, 2141-2157.	2.1	90
62	Brain connectivity and novel network measures for Alzheimer's disease classification. <i>Neurobiology of Aging</i> , 2015, 36, S121-S131.	1.5	83
63	Neuroanatomical morphometric characterization of sex differences in youth using statistical learning. <i>NeuroImage</i> , 2018, 172, 217-227.	2.1	82
64	Multisite neuroimaging trials. <i>Current Opinion in Neurology</i> , 2009, 22, 370-378.	1.8	79
65	Towards Effective and Rewarding Data Sharing. <i>Neuroinformatics</i> , 2003, 1, 289-296.	1.5	78
66	NEUROINFORMATICS: THE INTEGRATION OF SHARED DATABASES AND TOOLS TOWARDS INTEGRATIVE NEUROSCIENCE. <i>Journal of Integrative Neuroscience</i> , 2002, 01, 117-128.	0.8	77
67	Accurate measurement of brain changes in longitudinal MRI scans using tensor-based morphometry. <i>NeuroImage</i> , 2011, 57, 5-14.	2.1	77
68	Blood-Brain Barrier Permeability and Gadolinium. <i>JAMA Neurology</i> , 2016, 73, 13.	4.5	77
69	Medical data transformation using rewriting. <i>Frontiers in Neuroinformatics</i> , 2015, 9, 1.	1.3	72
70	A probabilistic atlas of human brainstem pathways based on connectome imaging data. <i>NeuroImage</i> , 2018, 169, 227-239.	2.1	71
71	Automated ventricular mapping with multi-atlas fluid image alignment reveals genetic effects in Alzheimer's disease. <i>NeuroImage</i> , 2008, 40, 615-630.	2.1	70
72	Big biomedical data as the key resource for discovery science. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015, 22, 1126-1131.	2.2	70

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73	Image processing approaches to enhance perivascular space visibility and quantification using MRI. <i>Scientific Reports</i> , 2019, 9, 12351.	1.6	67
74	Provenance in neuroimaging. <i>NeuroImage</i> , 2008, 42, 178-195.	2.1	66
75	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.	1.2	63
76	Brain structure differences between Chinese and Caucasian cohorts: A comprehensive morphometry study. <i>Human Brain Mapping</i> , 2018, 39, 2147-2155.	1.9	62
77	Perivascular space fluid contributes to diffusion tensor imaging changes in white matter. <i>NeuroImage</i> , 2019, 197, 243-254.	2.1	62
78	Associations between Vascular Function and Tau PET Are Associated with Global Cognition and Amyloid. <i>Journal of Neuroscience</i> , 2020, 40, 8573-8586.	1.7	60
79	Fox Insight collects online, longitudinal patient-reported outcomes and genetic data on Parkinson's disease. <i>Scientific Data</i> , 2020, 7, 67.	2.4	60
80	Magnitude and timing of major white matter tract maturation from infancy through adolescence with NODDI. <i>NeuroImage</i> , 2020, 212, 116672.	2.1	58
81	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.	2.4	57
82	Using the Alzheimer's Disease Neuroimaging Initiative to improve early detection, diagnosis, and treatment of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2022, 18, 824-857.	0.4	56
83	Neuroscience data and tool sharing. <i>Neuroinformatics</i> , 2003, 1, 149-165.	1.5	54
84	Temporal Dynamics of Brain Anatomy. <i>Annual Review of Biomedical Engineering</i> , 2003, 5, 119-145.	5.7	54
85	Spatial-temporal atlas of human fetal brain development during the early second trimester. <i>NeuroImage</i> , 2013, 82, 115-126.	2.1	53
86	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, S203-S210.	1.5	52
87	Shifting brain asymmetry: the link between meditation and structural lateralization. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 55-61.	1.5	50
88	The Image and Data Archive at the Laboratory of Neuro Imaging. <i>NeuroImage</i> , 2016, 124, 1080-1083.	2.1	50
89	Automated retinofugal visual pathway reconstruction with multi-shell HARDI and FOD-based analysis. <i>NeuroImage</i> , 2016, 125, 767-779.	2.1	50
90	Global and Regional Changes in Perivascular Space in Idiopathic and Familial Parkinson's Disease. <i>Movement Disorders</i> , 2021, 36, 1126-1136.	2.2	49

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91	Classifying Alzheimer's disease with brain imaging and genetic data using a neural network framework. <i>Neurobiology of Aging</i> , 2018, 68, 151-158.	1.5	48
92	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.	2.2	48
93	Robust Surface Reconstruction via Laplace-Beltrami Eigen-Projection and Boundary Deformation. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 2009-2022.	5.4	47
94	Volumetric distribution of perivascular space in relation to mild cognitive impairment. <i>Neurobiology of Aging</i> , 2021, 99, 28-43.	1.5	45
95	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.	0.4	43
96	Accelerated functional brain aging in pre-clinical familial Alzheimer's disease. <i>Nature Communications</i> , 2021, 12, 5346.	5.8	43
97	The myth of the normal, average human brain—The ICBM experience: (1) Subject screening and eligibility. <i>NeuroImage</i> , 2009, 44, 914-922.	2.1	42
98	Development of the human fetal hippocampal formation during early second trimester. <i>NeuroImage</i> , 2015, 119, 33-43.	2.1	42
99	Age-Related Differences in Brain Morphology and the Modifiers in Middle-Aged and Older Adults. <i>Cerebral Cortex</i> , 2019, 29, 4169-4193.	1.6	42
100	Quantification of white matter and gray matter volumes from T1 parametric images using fuzzy classifiers. <i>Journal of Magnetic Resonance Imaging</i> , 1996, 6, 425-435.	1.9	41
101	Parity is associated with cognitive function and brain age in both females and males. <i>Scientific Reports</i> , 2020, 10, 6100.	1.6	41
102	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.	0.7	41
103	Alzheimer's disease disrupts rich club organization in brain connectivity networks. , 2013, , 266-269.		40
104	Retrospective motion artifact correction of structural MRI images using deep learning improves the quality of cortical surface reconstructions. <i>NeuroImage</i> , 2021, 230, 117756.	2.1	39
105	Characterizing plasma NfL in a community-dwelling multi-ethnic cohort: Results from the HABLE study. <i>Alzheimer's and Dementia</i> , 2022, 18, 240-250.	0.4	39
106	Statistical shape analysis of the corpus callosum in Schizophrenia. <i>NeuroImage</i> , 2013, 64, 547-559.	2.1	38
107	Coiling and maturation of a high-performance fibre in hagfish slime gland thread cells. <i>Nature Communications</i> , 2014, 5, 3534.	5.8	37
108	Inverse-Consistent Surface Mapping with Laplace-Beltrami Eigen-Features. <i>Lecture Notes in Computer Science</i> , 2009, 21, 467-478.	1.0	37

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109	Structural Neuroimaging Genetics Interactions in Alzheimer's Disease. Journal of Alzheimer's Disease, 2015, 48, 1051-1063.	1.2	36
110	The Health & Aging Brain among Latino Elders (HABLE) study methods and participant characteristics. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12202.	1.2	36
111	Obesity gene NEGR1 associated with white matter integrity in healthy young adults. NeuroImage, 2014, 102, 548-557.	2.1	35
112	Metric Optimization for Surface Analysis in the Laplace-Beltrami Embedding Space. IEEE Transactions on Medical Imaging, 2014, 33, 1447-1463.	5.4	35
113	Sharing big biomedical data. Journal of Big Data, 2015, 2, .	6.9	35
114	The LONI QC System: A Semi-Automated, Web-Based and Freely-Available Environment for the Comprehensive Quality Control of Neuroimaging Data. Frontiers in Neuroinformatics, 2019, 13, 60.	1.3	34
115	The Longitudinal Early-Onset Alzheimer's Disease Study (LEADS): Framework and methodology. Alzheimer's and Dementia, 2021, 17, 2043-2055.	0.4	34
116	What is where and why it is important. NeuroImage, 2007, 37, 1045-1049.	2.1	33
117	I'll take that to go: Big data bags and minimal identifiers for exchange of large, complex datasets. , 2016, , .		33
118	The informatics core of the Alzheimer's Disease Neuroimaging Initiative. Alzheimer's and Dementia, 2010, 6, 247-256.	0.4	32
119	Tractography density and network measures in Alzheimer'S disease. , 2013, 2013, 692-695.		32
120	Mapping ventricular expansion onto cortical gray matter in older adults. Neurobiology of Aging, 2015, 36, S32-S41.	1.5	32
121	Automatic clustering and population analysis of white matter tracts using maximum density paths. NeuroImage, 2014, 97, 284-295.	2.1	31
122	Global Data Sharing in Alzheimer Disease Research. Alzheimer Disease and Associated Disorders, 2016, 30, 160-168.	0.6	31
123	The Global Alzheimer's Association Interactive Network. Alzheimer's and Dementia, 2016, 12, 49-54.	0.4	31
124	The LONI Debabeler: a mediator for neuroimaging software. NeuroImage, 2005, 24, 1170-1179.	2.1	28
125	Association analysis of rare variants near the APOE region with CSF and neuroimaging biomarkers of Alzheimer's disease. BMC Medical Genomics, 2017, 10, 29.	0.7	28
126	Analytic Tools for Post-traumatic Epileptogenesis Biomarker Search in Multimodal Dataset of an Animal Model and Human Patients. Frontiers in Neuroinformatics, 2018, 12, 86.	1.3	28

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127	Three-dimensional self-attention conditional GAN with spectral normalization for multimodal neuroimaging synthesis. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1718-1733.	1.9	28
128	The Alzheimer's Disease Neuroimaging Initiative informatics core: A decade in review. <i>Alzheimer's and Dementia</i> , 2015, 11, 832-839.	0.4	27
129	High-throughput neuroimaging-genetics computational infrastructure. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 41.	1.3	26
130	Precompetitive Data Sharing as a Catalyst to Address Unmet Needs in Parkinson's Disease 1. <i>Journal of Parkinson's Disease</i> , 2015, 5, 581-594.	1.5	25
131	Imaging in StrokeNet. <i>Stroke</i> , 2015, 46, 2000-2006.	1.0	25
132	Imaging biomarkers of posttraumatic epileptogenesis. <i>Epilepsia</i> , 2019, 60, 2151-2162.	2.6	25
133	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.	0.8	25
134	Development of the rich club in brain connectivity networks from 438 adolescents and adults aged 12 to 30. , 2013, , 624-627.		24
135	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.	2.1	24
136	Hippocampal Shape Maturation in Childhood and Adolescence. <i>Cerebral Cortex</i> , 2019, 29, 3651-3665.	1.6	23
137	Empowering imaging biomarkers of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015, 36, S69-S80.	1.5	22
138	Sharing data in the global alzheimer's association interactive network. <i>NeuroImage</i> , 2016, 124, 1168-1174.	2.1	22
139	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.	0.4	22
140	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> , 2022, 18, 77-87.	0.4	21
141	Integration of bioinformatics and imaging informatics for identifying rare PSEN1 variants in Alzheimer's disease. <i>BMC Medical Genomics</i> , 2016, 9, 30.	0.7	20
142	Big data sharing and analysis to advance research in post-traumatic epilepsy. <i>Neurobiology of Disease</i> , 2019, 123, 127-136.	2.1	20
143	Autosomal dominant and sporadic late onset Alzheimer's disease share a common <i>in vivo</i> pathophysiology. <i>Brain</i> , 2022, 145, 3594-3607.	3.7	20
144	Disruption and Compensation of Sulcation-based Covariance Networks in Neonatal Brain Growth after Perinatal Injury. <i>Cerebral Cortex</i> , 2020, 30, 6238-6253.	1.6	19

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145	Perivascular Space Imaging at Ultrahigh Field MR Imaging. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2021, 29, 67-75.	0.6	19
146	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.	2.0	19
147	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.	0.9	18
148	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.	5.3	18
149	Fast 3D fluid registration of brain magnetic resonance images. , 2008, 6916, .		17
150	A Machine Learning Model to Predict Seizure Susceptibility from Resting-State fMRI Connectivity. , 2019, , .		17
151	Predictive Big Data Analytics using the UK Biobank Data. <i>Scientific Reports</i> , 2019, 9, 6012.	1.6	17
152	Voxelwise Spectral Diffusional Connectivity and Its Applications to Alzheimer's Disease and Intelligence Prediction. <i>Lecture Notes in Computer Science</i> , 2013, 16, 655-662.	1.0	17
153	Imaging subtle leaks in the blood-brain barrier in the aging human brain: potential pitfalls, challenges, and possible solutions. <i>GeroScience</i> , 2022, 44, 1339-1351.	2.1	17
154	Left versus right hemisphere differences in brain connectivity: 4-Tesla HARDI tractography in 569 twins. , 2012, 2012, 526-529.		16
155	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.	1.5	16
156	Comparison of fractional and geodesic anisotropy in diffusion tensor images of 90 monozygotic and dizygotic twins. , 2008, 2008, 943-946.		15
157	Modeling topographic regularity in structural brain connectivity with application to tractogram filtering. <i>NeuroImage</i> , 2018, 183, 87-98.	2.1	15
158	Morphometric development of the human fetal cerebellum during the early second trimester. <i>NeuroImage</i> , 2020, 207, 116372.	2.1	15
159	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.	1.9	15
160	Best individual template selection from deformation tensor minimization. , 2008, 2008, 460-463.		14
161	Brain Atlases of Normal and Diseased Populations. <i>International Review of Neurobiology</i> , 2005, 66, 1-54.	0.9	14
162	Structural Brain Changes in Early-Onset Alzheimer's Disease Subjects Using the LONI Pipeline Environment. <i>Journal of Neuroimaging</i> , 2015, 25, 728-737.	1.0	13

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163	Imputation Strategy for Reliable Regional MRI Morphological Measurements. <i>Neuroinformatics</i> , 2020, 18, 59-70.	1.5	13
164	The Clinical Value of Large Neuroimaging Data Sets in Alzheimer's Disease. <i>Neuroimaging Clinics of North America</i> , 2012, 22, 107-118.	0.5	12
165	Practical management of heterogeneous neuroimaging metadata by global neuroimaging data repositories. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 8.	1.3	12
166	Connectopathy in ageing and dementia. <i>Brain</i> , 2014, 137, 3104-3106.	3.7	12
167	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.	1.6	12
168	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.	1.2	11
169	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.	0.8	11
170	Laminar perfusion imaging with zoomed arterial spin labeling at 7 Tesla. <i>NeuroImage</i> , 2021, 245, 118724.	2.1	11
171	New approaches in brain morphometry. <i>American Journal of Geriatric Psychiatry</i> , 2002, 10, 13-23.	0.6	11
172	Atlas-based fiber clustering for multi-subject analysis of high angular resolution diffusion imaging tractography. , 2011, 2011, 276-280.		10
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