

Bruce Fischl Or B Fischl

List of Publications by Year in descending order

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Version: 2024-02-01

269
papers

104,569
citations

2203

99
h-index

621

258
g-index

295
all docs

295
docs citations

295
times ranked

51642
citing authors

#	ARTICLE	IF	CITATIONS
1	An automated labeling system for subdividing the human cerebral cortex on MRI scans into gyral based regions of interest. <i>NeuroImage</i> , 2006, 31, 968-980.	2.1	10,125
2	Cortical Surface-Based Analysis. <i>NeuroImage</i> , 1999, 9, 179-194.	2.1	9,194
3	Whole Brain Segmentation. <i>Neuron</i> , 2002, 33, 341-355.	3.8	7,404
4	FreeSurfer. <i>NeuroImage</i> , 2012, 62, 774-781.	2.1	6,482
5	The organization of the human cerebral cortex estimated by intrinsic functional connectivity. <i>Journal of Neurophysiology</i> , 2011, 106, 1125-1165.	0.9	6,420
6	Cortical Surface-Based Analysis. <i>NeuroImage</i> , 1999, 9, 195-207.	2.1	5,599
7	The minimal preprocessing pipelines for the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 105-124.	2.1	4,042
8	Automatically Parcellating the Human Cerebral Cortex. <i>Cerebral Cortex</i> , 2004, 14, 11-22.	1.6	3,657
9	Accurate and robust brain image alignment using boundary-based registration. <i>NeuroImage</i> , 2009, 48, 63-72.	2.1	2,808
10	High-resolution intersubject averaging and a coordinate system for the cortical surface. , 1999, 8, 272-284.		2,757
11	Automatic parcellation of human cortical gyri and sulci using standard anatomical nomenclature. <i>NeuroImage</i> , 2010, 53, 1-15.	2.1	2,251
12	Within-subject template estimation for unbiased longitudinal image analysis. <i>NeuroImage</i> , 2012, 61, 1402-1418.	2.1	1,925
13	Sequence-independent segmentation of magnetic resonance images. <i>NeuroImage</i> , 2004, 23, S69-S84.	2.1	1,858
14	Thinning of the Cerebral Cortex in Aging. <i>Cerebral Cortex</i> , 2004, 14, 721-730.	1.6	1,556
15	Reliability of MRI-derived measurements of human cerebral cortical thickness: The effects of field strength, scanner upgrade and manufacturer. <i>NeuroImage</i> , 2006, 32, 180-194.	2.1	1,337
16	Meditation experience is associated with increased cortical thickness. <i>NeuroReport</i> , 2005, 16, 1893-1897.	0.6	1,258
17	Transcriptional landscape of the prenatal human brain. <i>Nature</i> , 2014, 508, 199-206.	13.7	1,147
18	Distinct Genetic Influences on Cortical Surface Area and Cortical Thickness. <i>Cerebral Cortex</i> , 2009, 19, 2728-2735.	1.6	1,109

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19	Reliability in multi-site structural MRI studies: Effects of gradient non-linearity correction on phantom and human data. <i>NeuroImage</i> , 2006, 30, 436-443.	2.1	1,107
20	Highly accurate inverse consistent registration: A robust approach. <i>NeuroImage</i> , 2010, 53, 1181-1196.	2.1	1,099
21	A computational atlas of the hippocampal formation using ex vivo, ultra-high resolution MRI: Application to adaptive segmentation of in vivo MRI. <i>NeuroImage</i> , 2015, 115, 117-137.	2.1	939
22	The Cortical Signature of Alzheimer's Disease: Regionally Specific Cortical Thinning Relates to Symptom Severity in Very Mild to Mild AD Dementia and is Detectable in Asymptomatic Amyloid-Positive Individuals. <i>Cerebral Cortex</i> , 2009, 19, 497-510.	1.6	861
23	Geometrically Accurate Topology-Correction of Cortical Surfaces Using Nonseparating Loops. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 518-529.	5.4	848
24	Regionally Localized Thinning of the Cerebral Cortex in Schizophrenia. <i>Archives of General Psychiatry</i> , 2003, 60, 878.	13.8	809
25	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015, 520, 224-229.	13.7	772
26	Cortical Folding Patterns and Predicting Cytoarchitecture. <i>Cerebral Cortex</i> , 2008, 18, 1973-1980.	1.6	691
27	High Consistency of Regional Cortical Thinning in Aging across Multiple Samples. <i>Cerebral Cortex</i> , 2009, 19, 2001-2012.	1.6	580
28	Effects of age on volumes of cortex, white matter and subcortical structures. <i>Neurobiology of Aging</i> , 2005, 26, 1261-1270.	1.5	552
29	Brain morphometry with multiecho MPRAGE. <i>NeuroImage</i> , 2008, 40, 559-569.	2.1	512
30	Automated probabilistic reconstruction of white-matter pathways in health and disease using an atlas of the underlying anatomy. <i>Frontiers in Neuroinformatics</i> , 2011, 5, 23.	1.3	488
31	MRI-derived measurements of human subcortical, ventricular and intracranial brain volumes: Reliability effects of scan sessions, acquisition sequences, data analyses, scanner upgrade, scanner vendors and field strengths. <i>NeuroImage</i> , 2009, 46, 177-192.	2.1	482
32	Spurious group differences due to head motion in a diffusion MRI study. <i>NeuroImage</i> , 2014, 88, 79-90.	2.1	455
33	Cerebral cortex and the clinical expression of Huntington's disease: complexity and heterogeneity. <i>Brain</i> , 2008, 131, 1057-1068.	3.7	438
34	Consistent neuroanatomical age-related volume differences across multiple samples. <i>Neurobiology of Aging</i> , 2011, 32, 916-932.	1.5	437
35	A Role for the Human Dorsal Anterior Cingulate Cortex in Fear Expression. <i>Biological Psychiatry</i> , 2007, 62, 1191-1194.	0.7	425
36	A Generative Model for Image Segmentation Based on Label Fusion. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 1714-1729.	5.4	423

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37	Cortical Mechanisms Specific to Explicit Visual Object Recognition. <i>Neuron</i> , 2001, 29, 529-535.	3.8	421
38	Toward Implementing an MRI-Based PET Attenuation-Correction Method for Neurologic Studies on the MR-PET Brain Prototype. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1431-1438.	2.8	413
39	Avoiding asymmetry-induced bias in longitudinal image processing. <i>NeuroImage</i> , 2011, 57, 19-21.	2.1	407
40	The Representation of Illusory and Real Contours in Human Cortical Visual Areas Revealed by Functional Magnetic Resonance Imaging. <i>Journal of Neuroscience</i> , 1999, 19, 8560-8572.	1.7	402
41	Head motion during MRI acquisition reduces gray matter volume and thickness estimates. <i>NeuroImage</i> , 2015, 107, 107-115.	2.1	399
42	Automated segmentation of hippocampal subfields from ultra-high resolution in vivo MRI. <i>Hippocampus</i> , 2009, 19, 549-557.	0.9	381
43	Laminar analysis of 7T BOLD using an imposed spatial activation pattern in human V1. <i>NeuroImage</i> , 2010, 52, 1334-1346.	2.1	378
44	Thickness of ventromedial prefrontal cortex in humans is correlated with extinction memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10706-10711.	3.3	362
45	Focal thinning of the cerebral cortex in multiple sclerosis. <i>Brain</i> , 2003, 126, 1734-1744.	3.7	352
46	Heritability of brain ventricle volume: Converging evidence from inconsistent results. <i>Neurobiology of Aging</i> , 2012, 33, 1-8.	1.5	351
47	Automated MRI measures identify individuals with mild cognitive impairment and Alzheimer's disease. <i>Brain</i> , 2009, 132, 2048-2057.	3.7	341
48	Volumetric navigators for prospective motion correction and selective reacquisition in neuroanatomical MRI. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 389-399.	1.9	338
49	A probabilistic atlas of the human thalamic nuclei combining ex vivo MRI and histology. <i>NeuroImage</i> , 2018, 183, 314-326.	2.1	334
50	Brain Genomics Superstruct Project initial data release with structural, functional, and behavioral measures. <i>Scientific Data</i> , 2015, 2, 150031.	2.4	318
51	Amyloid β associated cortical thinning in clinically normal elderly. <i>Annals of Neurology</i> , 2011, 69, 1032-1042.	2.8	306
52	Comprehensive cellular-resolution atlas of the adult human brain. <i>Journal of Comparative Neurology</i> , 2016, 524, 3127-3481.	0.9	302
53	Spherical Demons: Fast Diffeomorphic Landmark-Free Surface Registration. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 650-668.	5.4	301
54	Statistical analysis of longitudinal neuroimage data with Linear Mixed Effects models. <i>NeuroImage</i> , 2013, 66, 249-260.	2.1	298

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55	Extending the Human Connectome Project across ages: Imaging protocols for the Lifespan Development and Aging projects. <i>NeuroImage</i> , 2018, 183, 972-984.	2.1	290
56	Regional white matter volume differences in nondemented aging and Alzheimer's disease. <i>NeuroImage</i> , 2009, 44, 1247-1258.	2.1	267
57	The Dynamics of Cortical and Hippocampal Atrophy in Alzheimer Disease. <i>Archives of Neurology</i> , 2011, 68, 1040.	4.9	267
58	Hierarchical Genetic Organization of Human Cortical Surface Area. <i>Science</i> , 2012, 335, 1634-1636.	6.0	266
59	Permutation Tests for Classification: Towards Statistical Significance in Image-Based Studies. <i>Lecture Notes in Computer Science</i> , 2003, 18, 330-341.	1.0	254
60	Location and spatial profile of category-specific regions in human extrastriate cortex. <i>Human Brain Mapping</i> , 2006, 27, 77-89.	1.9	249
61	Differential effects of aging and Alzheimer's disease on medial temporal lobe cortical thickness and surface area. <i>Neurobiology of Aging</i> , 2009, 30, 432-440.	1.5	249
62	Evaluating the validity of volume-based and surface-based brain image registration for developmental cognitive neuroscience studies in children 4 to 11years of age. <i>NeuroImage</i> , 2010, 53, 85-93.	2.1	243
63	Evaluation of volume-based and surface-based brain image registration methods. <i>NeuroImage</i> , 2010, 51, 214-220.	2.1	237
64	Widespread Reductions of Cortical Thickness in Schizophrenia and Spectrum Disorders and Evidence of Heritability. <i>Archives of General Psychiatry</i> , 2009, 66, 467.	13.8	235
65	Altered white matter microstructure in the corpus callosum in Huntington's disease: Implications for cortical "disconnection". <i>NeuroImage</i> , 2010, 49, 2995-3004.	2.1	231
66	FastSurfer - A fast and accurate deep learning based neuroimaging pipeline. <i>NeuroImage</i> , 2020, 219, 117012.	2.1	229
67	Accurate prediction of V1 location from cortical folds in a surface coordinate system. <i>NeuroImage</i> , 2008, 39, 1585-1599.	2.1	221
68	Studying neuroanatomy using MRI. <i>Nature Neuroscience</i> , 2017, 20, 314-326.	7.1	220
69	Cortical atrophy is relevant in multiple sclerosis at clinical onset. <i>Journal of Neurology</i> , 2007, 254, 1212-1220.	1.8	208
70	Genetic and environmental influences on the size of specific brain regions in midlife: The VETSA MRI study. <i>NeuroImage</i> , 2010, 49, 1213-1223.	2.1	208
71	Tracking the Roots of Reading Ability: White Matter Volume and Integrity Correlate with Phonological Awareness in Prereading and Early-Reading Kindergarten Children. <i>Journal of Neuroscience</i> , 2013, 33, 13251-13258.	1.7	207
72	Genetic topography of brain morphology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17089-17094.	3.3	197

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73	Atlas Renormalization for Improved Brain MR Image Segmentation Across Scanner Platforms. IEEE Transactions on Medical Imaging, 2007, 26, 479-486.	5.4	193
74	A Surface-based Analysis of Language Lateralization and Cortical Asymmetry. Journal of Cognitive Neuroscience, 2013, 25, 1477-1492.	1.1	188
75	Bayesian segmentation of brainstem structures in MRI. NeuroImage, 2015, 113, 184-195.	2.1	186
76	The Lifespan Human Connectome Project in Aging: An overview. NeuroImage, 2019, 185, 335-348.	2.1	186
77	Cortical surface-based analysis reduces bias and variance in kinetic modeling of brain PET data. NeuroImage, 2014, 92, 225-236.	2.1	179
78	7 Tesla MRI of the ex vivo human brain at 100 micron resolution. Scientific Data, 2019, 6, 244.	2.4	179
79	False positive rates in surface-based anatomical analysis. NeuroImage, 2018, 171, 6-14.	2.1	177
80	On-line automatic slice positioning for brain MR imaging. NeuroImage, 2005, 27, 222-230.	2.1	166
81	Quantitative evaluation of automated skull-stripping methods applied to contemporary and legacy images: Effects of diagnosis, bias correction, and slice location. Human Brain Mapping, 2006, 27, 99-113.	1.9	161
82	Measuring and comparing brain cortical surface area and other areal quantities. NeuroImage, 2012, 61, 1428-1443.	2.1	157
83	Segregation of Somatosensory Activation in the Human Rolandic Cortex Using fMRI. Journal of Neurophysiology, 2000, 84, 558-569.	0.9	156
84	The Association between a Polygenic Alzheimer Score and Cortical Thickness in Clinically Normal Subjects. Cerebral Cortex, 2012, 22, 2653-2661.	1.6	145
85	Mapping an intrinsic MR property of gray matter in auditory cortex of living humans: A possible marker for primary cortex and hemispheric differences. NeuroImage, 2006, 32, 1524-1537.	2.1	144
86	Combined Volumetric and Surface Registration. IEEE Transactions on Medical Imaging, 2009, 28, 508-522.	5.4	144
87	Gray matter myelination of 1555 human brains using partial volume corrected MRI images. NeuroImage, 2015, 105, 473-485.	2.1	141
88	The relationship between diffusion tensor imaging and volumetry as measures of white matter properties. NeuroImage, 2008, 42, 1654-1668.	2.1	136
89	Heritability of Brain Morphology Related to Schizophrenia: A Large-Scale Automated Magnetic Resonance Imaging Segmentation Study. Biological Psychiatry, 2008, 63, 475-483.	0.7	134
90	Brain Structure Correlates of Individual Differences in the Acquisition and Inhibition of Conditioned Fear. Cerebral Cortex, 2011, 21, 1954-1962.	1.6	131

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91	Bayesian longitudinal segmentation of hippocampal substructures in brain MRI using subject-specific atlases. <i>NeuroImage</i> , 2016, 141, 542-555.	2.1	130
92	BrainPrint: A discriminative characterization of brain morphology. <i>NeuroImage</i> , 2015, 109, 232-248.	2.1	128
93	Anatomical atlas-guided diffuse optical tomography of brain activation. <i>NeuroImage</i> , 2010, 49, 561-567.	2.1	125
94	A technique for the deidentification of structural brain MR images. <i>Human Brain Mapping</i> , 2007, 28, 892-903.	1.9	124
95	Cortical Thickness Is Influenced by Regionally Specific Genetic Factors. <i>Biological Psychiatry</i> , 2010, 67, 493-499.	0.7	124
96	Thickness of the human cerebral cortex is associated with metrics of cerebrovascular health in a normative sample of community dwelling older adults. <i>NeuroImage</i> , 2011, 54, 2659-2671.	2.1	122
97	Orbitofrontal thickness, retention of fear extinction, and extraversion. <i>NeuroReport</i> , 2005, 16, 1909-1912.	0.6	120
98	A Comparison of Heritability Maps of Cortical Surface Area and Thickness and the Influence of Adjustment for Whole Brain Measures: A Magnetic Resonance Imaging Twin Study. <i>Twin Research and Human Genetics</i> , 2012, 15, 304-314.	0.3	120
99	Connectivity-based segmentation of human amygdala nuclei using probabilistic tractography. <i>NeuroImage</i> , 2011, 56, 1353-1361.	2.1	119
100	Genetic Influences on Cortical Regionalization in the Human Brain. <i>Neuron</i> , 2011, 72, 537-544.	3.8	118
101	Selective increase of cortical thickness in high-performing elderly—structural indices of optimal cognitive aging. <i>NeuroImage</i> , 2006, 29, 984-994.	2.1	112
102	Minute Effects of Sex on the Aging Brain: A Multisample Magnetic Resonance Imaging Study of Healthy Aging and Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2009, 29, 8774-8783.	1.7	111
103	Spatiotemporal linear mixed effects modeling for the mass-univariate analysis of longitudinal neuroimage data. <i>NeuroImage</i> , 2013, 81, 358-370.	2.1	111
104	Prospective motion correction with volumetric navigators (vNavs) reduces the bias and variance in brain morphometry induced by subject motion. <i>NeuroImage</i> , 2016, 127, 11-22.	2.1	109
105	Feasibility of Multi-site Clinical Structural Neuroimaging Studies of Aging Using Legacy Data. <i>Neuroinformatics</i> , 2007, 5, 235-245.	1.5	103
106	Increased sensitivity to effects of normal aging and Alzheimer's disease on cortical thickness by adjustment for local variability in gray/white contrast: A multi-sample MRI study. <i>NeuroImage</i> , 2009, 47, 1545-1557.	2.1	103
107	Locating the functional and anatomical boundaries of human primary visual cortex. <i>NeuroImage</i> , 2009, 46, 915-922.	2.1	98
108	Infant FreeSurfer: An automated segmentation and surface extraction pipeline for T1-weighted neuroimaging data of infants 0–2 years. <i>NeuroImage</i> , 2020, 218, 116946.	2.1	96

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109	Cognitive function and brain structure correlations in healthy elderly East Asians. <i>NeuroImage</i> , 2009, 46, 257-269.	2.1	95
110	How to Measure Cortical Folding from MR Images: a Step-by-Step Tutorial to Compute Local Gyrfication Index. <i>Journal of Visualized Experiments</i> , 2012, , e3417.	0.2	95
111	Differences in the right inferior longitudinal fasciculus but no general disruption of white matter tracts in children with autism spectrum disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1981-1986.	3.3	95
112	Analysis strategies for high-resolution UHF-fMRI data. <i>NeuroImage</i> , 2018, 168, 296-320.	2.1	95
113	Predicting the location of entorhinal cortex from MRI. <i>NeuroImage</i> , 2009, 47, 8-17.	2.1	94
114	The Cytoarchitecture of Domain-specific Regions in Human High-level Visual Cortex. <i>Cerebral Cortex</i> , 2017, 27, 146-161.	1.6	94
115	Neuroanatomical aging: Universal but not uniform. <i>Neurobiology of Aging</i> , 2005, 26, 1279-1282.	1.5	93
116	Automated MRI measures predict progression to Alzheimer's disease. <i>Neurobiology of Aging</i> , 2010, 31, 1364-1374.	1.5	91
117	Shared genetic risk between corticobasal degeneration, progressive supranuclear palsy, and frontotemporal dementia. <i>Acta Neuropathologica</i> , 2017, 133, 825-837.	3.9	90
118	Salivary cortisol and prefrontal cortical thickness in middle-aged men: A twin study. <i>NeuroImage</i> , 2010, 53, 1093-1102.	2.1	88
119	Genetic and Environmental Contributions to Regional Cortical Surface Area in Humans: A Magnetic Resonance Imaging Twin Study. <i>Cerebral Cortex</i> , 2011, 21, 2313-2321.	1.6	88
120	Cortical Surface Shape Analysis Based on Spherical Wavelets. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 582-597.	5.4	87
121	Segmental Brain Volumes and Cognitive and Perceptual Correlates in 15-Year-Old Adolescents with Low Birth Weight. <i>Journal of Pediatrics</i> , 2009, 155, 848-853.e1.	0.9	87
122	Blockface histology with optical coherence tomography: A comparison with Nissl staining. <i>NeuroImage</i> , 2014, 84, 524-533.	2.1	87
123	Quantitative comparison of cortical surface reconstructions from MP2RAGE and multi-echo MPRAGE data at 3 and 7T. <i>NeuroImage</i> , 2014, 90, 60-73.	2.1	85
124	The Genetic Association Between Neocortical Volume and General Cognitive Ability Is Driven by Global Surface Area Rather Than Thickness. <i>Cerebral Cortex</i> , 2015, 25, 2127-2137.	1.6	84
125	Effects of registration regularization and atlas sharpness on segmentation accuracy. <i>Medical Image Analysis</i> , 2008, 12, 603-615.	7.0	82
126	Validating atlas-guided DOT: A comparison of diffuse optical tomography informed by atlas and subject-specific anatomies. <i>NeuroImage</i> , 2012, 62, 1999-2006.	2.1	81

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127	Predicting the location of human perirhinal cortex, Brodmann's area 35, from MRI. <i>NeuroImage</i> , 2013, 64, 32-42.	2.1	81
128	Is Synthesizing MRI Contrast Useful for Inter-modality Analysis?. <i>Lecture Notes in Computer Science</i> , 2013, 16, 631-638.	1.0	81
129	H.M.'s contributions to neuroscience: A review and autopsy studies. <i>Hippocampus</i> , 2014, 24, 1267-1286.	0.9	80
130	Reduced microstructural integrity of the white matter underlying anterior cingulate cortex is associated with increased saccadic latency in schizophrenia. <i>NeuroImage</i> , 2007, 37, 599-610.	2.1	78
131	Advantages of cortical surface reconstruction using submillimeter 7Å MEMPRAGE. <i>NeuroImage</i> , 2018, 165, 11-26.	2.1	76
132	A Genetic Algorithm for the Topology Correction of Cortical Surfaces. <i>Lecture Notes in Computer Science</i> , 2005, 19, 393-405.	1.0	75
133	Accurate nonlinear mapping between MNI volumetric and FreeSurfer surface coordinate systems. <i>Human Brain Mapping</i> , 2018, 39, 3793-3808.	1.9	75
134	Direct visualization of the perforant pathway in the human brain with ex vivo diffusion tensor imaging. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 42.	1.0	74
135	Human Cerebellum: Surface-Assisted Cortical Parcellation and Volumetry with Magnetic Resonance Imaging. <i>Journal of Cognitive Neuroscience</i> , 2003, 15, 584-599.	1.1	70
136	Neural Activity Is Modulated by Trial History: A Functional Magnetic Resonance Imaging Study of the Effects of a Previous Antisaccade. <i>Journal of Neuroscience</i> , 2007, 27, 1791-1798.	1.7	70
137	Abnormal cortical folding patterns within Broca's area in schizophrenia: Evidence from structural MRI. <i>Schizophrenia Research</i> , 2007, 94, 317-327.	1.1	69
138	Selective Disruption of the Cerebral Neocortex in Alzheimer's Disease. <i>PLoS ONE</i> , 2010, 5, e12853.	1.1	69
139	Presence of ApoE ϵ 4 Allele Associated with Thinner Frontal Cortex in Middle Age. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 49-60.	1.2	68
140	Dementia After Moderate-Severe Traumatic Brain Injury: Coexistence of Multiple Proteinopathies. <i>Journal of Neuropathology and Experimental Neurology</i> , 2018, 77, 50-63.	0.9	68
141	Regional cortical thickness matters in recall after months more than minutes. <i>NeuroImage</i> , 2006, 31, 1343-1351.	2.1	66
142	Human cerebral cortex: A system for the integration of volume- and surface-based representations. <i>NeuroImage</i> , 2006, 33, 139-153.	2.1	66
143	Improved tractography alignment using combined volumetric and surface registration. <i>NeuroImage</i> , 2010, 51, 206-213.	2.1	64
144	Cross-validation of serial optical coherence scanning and diffusion tensor imaging: A study on neural fiber maps in human medulla oblongata. <i>NeuroImage</i> , 2014, 100, 395-404.	2.1	63

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145	Assessing atrophy measurement techniques in dementia: Results from the MIRIAD atrophy challenge. <i>NeuroImage</i> , 2015, 123, 149-164.	2.1	63
146	A FreeSurfer-compliant consistent manual segmentation of infant brains spanning the 0-2 year age range. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 21.	1.0	60
147	Unsupervised Medical Image Segmentation Based on the Local Center of Mass. <i>Scientific Reports</i> , 2018, 8, 13012.	1.6	59
148	Cortical volume and speed-of-processing are complementary in prediction of performance intelligence. <i>Neuropsychologia</i> , 2005, 43, 704-713.	0.7	58
149	Detailed semiautomated MRI based morphometry of the neonatal brain: Preliminary results. <i>NeuroImage</i> , 2006, 32, 1041-1049.	2.1	58
150	Learning Task-Optimal Registration Cost Functions for Localizing Cytoarchitecture and Function in the Cerebral Cortex. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 1424-1441.	5.4	57
151	An MRI-based method for measuring volume, thickness and surface area of entorhinal, perirhinal, and posterior parahippocampal cortex. <i>Neurobiology of Aging</i> , 2009, 30, 420-431.	1.5	56
152	SynthStrip: skull-stripping for any brain image. <i>NeuroImage</i> , 2022, 260, 119474.	2.1	56
153	A tale of two factors: What determines the rate of progression in Huntington's disease? A longitudinal MRI study. <i>Movement Disorders</i> , 2011, 26, 1691-1697.	2.2	55
154	AnatomicalCuts: Hierarchical clustering of tractography streamlines based on anatomical similarity. <i>NeuroImage</i> , 2018, 166, 32-45.	2.1	55
155	Morphometricity as a measure of the neuroanatomical signature of a trait. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5749-56.	3.3	53
156	Optical coherence tomography visualizes neurons in human entorhinal cortex. <i>Neurophotonics</i> , 2015, 2, 015004.	1.7	52
157	Joint super-resolution and synthesis of 1Åmm isotropic MP-RAGE volumes from clinical MRI exams with scans of different orientation, resolution and contrast. <i>NeuroImage</i> , 2021, 237, 118206.	2.1	52
158	Cognitive function, P3a/P3b brain potentials, and cortical thickness in aging. <i>Human Brain Mapping</i> , 2007, 28, 1098-1116.	1.9	51
159	Conceptual and Data-based Investigation of Genetic Influences and Brain Asymmetry: A Twin Study of Multiple Structural Phenotypes. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 1100-1117.	1.1	50
160	as-PSOCT: Volumetric microscopic imaging of human brain architecture and connectivity. <i>NeuroImage</i> , 2018, 165, 56-68.	2.1	50
161	Collaborative computational anatomy: An MRI morphometry study of the human brain via diffeomorphic metric mapping. <i>Human Brain Mapping</i> , 2009, 30, 2132-2141.	1.9	48
162	Joint reconstruction of white-matter pathways from longitudinal diffusion MRI data with anatomical priors. <i>NeuroImage</i> , 2016, 127, 277-286.	2.1	48

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163	Comparison of Manual and Automatic Section Positioning of Brain MR Images. <i>Radiology</i> , 2006, 239, 246-254.	3.6	47
164	Genetic patterns of correlation among subcortical volumes in humans: Results from a magnetic resonance imaging twin study. <i>Human Brain Mapping</i> , 2011, 32, 641-653.	1.9	47
165	Markerless high-frequency prospective motion correction for neuroanatomical MRI. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 126-144.	1.9	47
166	A probabilistic template of human mesopontine tegmental nuclei from in vivo 7 T MRI. <i>NeuroImage</i> , 2018, 170, 222-230.	2.1	45
167	MarkVCID cerebral small vessel consortium: II. Neuroimaging protocols. <i>Alzheimer's and Dementia</i> , 2021, 17, 716-725.	0.4	45
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