

# Bruce Fischl Or B Fischl

## List of Publications by Citations

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269  
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93,033  
ext. citations

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#	Paper	IF	Citations
269	Cortical surface-based analysis. I. Segmentation and surface reconstruction. <i>NeuroImage</i> , <b>1999</b> , 9, 179-94	7.9	6929
268	An automated labeling system for subdividing the human cerebral cortex on MRI scans into gyral based regions of interest. <i>NeuroImage</i> , <b>2006</b> , 31, 968-80	7.9	6799
267	Whole brain segmentation: automated labeling of neuroanatomical structures in the human brain. <i>Neuron</i> , <b>2002</b> , 33, 341-55	13.9	5627
266	Cortical surface-based analysis. II: Inflation, flattening, and a surface-based coordinate system. <i>NeuroImage</i> , <b>1999</b> , 9, 195-207	7.9	4530
265	The organization of the human cerebral cortex estimated by intrinsic functional connectivity. <i>Journal of Neurophysiology</i> , <b>2011</b> , 106, 1125-65	3.2	3997
264	FreeSurfer. <i>NeuroImage</i> , <b>2012</b> , 62, 774-81	7.9	3773
263	Automatically parcellating the human cerebral cortex. <i>Cerebral Cortex</i> , <b>2004</b> , 14, 11-22	5.1	2867
262	The minimal preprocessing pipelines for the Human Connectome Project. <i>NeuroImage</i> , <b>2013</b> , 80, 105-24	7.9	2298
261	High-resolution intersubject averaging and a coordinate system for the cortical surface. <i>Human Brain Mapping</i> , <b>1999</b> , 8, 272-84	5.9	2212
260	Accurate and robust brain image alignment using boundary-based registration. <i>NeuroImage</i> , <b>2009</b> , 48, 63-72	7.9	1762
259	Sequence-independent segmentation of magnetic resonance images. <i>NeuroImage</i> , <b>2004</b> , 23 Suppl 1, S69-84	7.9	1507
258	Automatic parcellation of human cortical gyri and sulci using standard anatomical nomenclature. <i>NeuroImage</i> , <b>2010</b> , 53, 1-15	7.9	1441
257	Within-subject template estimation for unbiased longitudinal image analysis. <i>NeuroImage</i> , <b>2012</b> , 61, 1402-18	7.9	1386
256	Thinning of the cerebral cortex in aging. <i>Cerebral Cortex</i> , <b>2004</b> , 14, 721-30	5.1	1282
255	Reliability of MRI-derived measurements of human cerebral cortical thickness: the effects of field strength, scanner upgrade and manufacturer. <i>NeuroImage</i> , <b>2006</b> , 32, 180-94	7.9	1133
254	Meditation experience is associated with increased cortical thickness. <i>NeuroReport</i> , <b>2005</b> , 16, 1893-7	1.7	1003
253	Reliability in multi-site structural MRI studies: effects of gradient non-linearity correction on phantom and human data. <i>NeuroImage</i> , <b>2006</b> , 30, 436-43	7.9	914

252	Distinct genetic influences on cortical surface area and cortical thickness. <i>Cerebral Cortex</i> , <b>2009</b> , 19, 2728-35	8.3	862
251	Transcriptional landscape of the prenatal human brain. <i>Nature</i> , <b>2014</b> , 508, 199-206	50.4	797
250	Highly accurate inverse consistent registration: a robust approach. <i>NeuroImage</i> , <b>2010</b> , 53, 1181-96	7.9	782
249	Regionally localized thinning of the cerebral cortex in schizophrenia. <i>Archives of General Psychiatry</i> , <b>2003</b> , 60, 878-88		740
248	Geometrically accurate topology-correction of cortical surfaces using nonseparating loops. <i>IEEE Transactions on Medical Imaging</i> , <b>2007</b> , 26, 518-29	11.7	684
247	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> , <b>2009</b> , 19, 497-510	5.1	669
246	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , <b>2015</b> , 520, 224-9	50.4	601
245	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> , <b>2015</b> , 115, 117-37	7.9	566
244	Cortical folding patterns and predicting cytoarchitecture. <i>Cerebral Cortex</i> , <b>2008</b> , 18, 1973-80	5.1	553
243	Effects of age on volumes of cortex, white matter and subcortical structures. <i>Neurobiology of Aging</i> , <b>2005</b> , 26, 1261-70; discussion 1275-8	5.6	477
242	High consistency of regional cortical thinning in aging across multiple samples. <i>Cerebral Cortex</i> , <b>2009</b> , 19, 2001-12	5.1	475
241	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> , <b>2009</b> , 46, 177-92	7.9	412
240	Cortical mechanisms specific to explicit visual object recognition. <i>Neuron</i> , <b>2001</b> , 29, 529-35	13.9	390
239	Brain morphometry with multiecho MPAGE. <i>NeuroImage</i> , <b>2008</b> , 40, 559-569	7.9	381
238	Toward implementing an MRI-based PET attenuation-correction method for neurologic studies on the MR-PET brain prototype. <i>Journal of Nuclear Medicine</i> , <b>2010</b> , 51, 1431-8	8.9	379
237	Cerebral cortex and the clinical expression of Huntington's disease: complexity and heterogeneity. <i>Brain</i> , <b>2008</b> , 131, 1057-68	11.2	377
236	A role for the human dorsal anterior cingulate cortex in fear expression. <i>Biological Psychiatry</i> , <b>2007</b> , 62, 1191-4	7.9	371
235	The representation of illusory and real contours in human cortical visual areas revealed by functional magnetic resonance imaging. <i>Journal of Neuroscience</i> , <b>1999</b> , 19, 8560-72	6.6	364

234	Automated probabilistic reconstruction of white-matter pathways in health and disease using an atlas of the underlying anatomy. <i>Frontiers in Neuroinformatics</i> , <b>2011</b> , 5, 23	3.9	361
233	Spurious group differences due to head motion in a diffusion MRI study. <i>NeuroImage</i> , <b>2014</b> , 88, 79-90	7.9	360
232	Consistent neuroanatomical age-related volume differences across multiple samples. <i>Neurobiology of Aging</i> , <b>2011</b> , 32, 916-32	5.6	356
231	A generative model for image segmentation based on label fusion. <i>IEEE Transactions on Medical Imaging</i> , <b>2010</b> , 29, 1714-29	11.7	353
230	Automated segmentation of hippocampal subfields from ultra-high resolution in vivo MRI. <i>Hippocampus</i> , <b>2009</b> , 19, 549-57	3.5	331
229	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> , <b>2005</b> , 102, 10706-11	11.5	330
228	Avoiding asymmetry-induced bias in longitudinal image processing. <i>NeuroImage</i> , <b>2011</b> , 57, 19-21	7.9	318
227	Head motion during MRI acquisition reduces gray matter volume and thickness estimates. <i>NeuroImage</i> , <b>2015</b> , 107, 107-115	7.9	291
226	Automated MRI measures identify individuals with mild cognitive impairment and Alzheimer's disease. <i>Brain</i> , <b>2009</b> , 132, 2048-57	11.2	289
225	Laminar analysis of 7T BOLD using an imposed spatial activation pattern in human V1. <i>NeuroImage</i> , <b>2010</b> , 52, 1334-46	7.9	286
224	Focal thinning of the cerebral cortex in multiple sclerosis. <i>Brain</i> , <b>2003</b> , 126, 1734-44	11.2	285
223	Heritability of brain ventricle volume: converging evidence from inconsistent results. <i>Neurobiology of Aging</i> , <b>2012</b> , 33, 1-8	5.6	273
222	Spherical demons: fast diffeomorphic landmark-free surface registration. <i>IEEE Transactions on Medical Imaging</i> , <b>2010</b> , 29, 650-68	11.7	252
221	Amyloid- $\beta$ -associated cortical thinning in clinically normal elderly. <i>Annals of Neurology</i> , <b>2011</b> , 69, 1032-42	9.4	250
220	Volumetric navigators for prospective motion correction and selective reacquisition in neuroanatomical MRI. <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 68, 389-99	4.4	244
219	Regional white matter volume differences in nondemented aging and Alzheimer's disease. <i>NeuroImage</i> , <b>2009</b> , 44, 1247-58	7.9	225
218	Statistical analysis of longitudinal neuroimage data with Linear Mixed Effects models. <i>NeuroImage</i> , <b>2013</b> , 66, 249-60	7.9	218
217	Hierarchical genetic organization of human cortical surface area. <i>Science</i> , <b>2012</b> , 335, 1634-6	33.3	214

216	Location and spatial profile of category-specific regions in human extrastriate cortex. <i>Human Brain Mapping</i> , <b>2006</b> , 27, 77-89	5.9	210
215	Widespread reductions of cortical thickness in schizophrenia and spectrum disorders and evidence of heritability. <i>Archives of General Psychiatry</i> , <b>2009</b> , 66, 467-77		209
214	The dynamics of cortical and hippocampal atrophy in Alzheimer disease. <i>Archives of Neurology</i> , <b>2011</b> , 68, 1040-8		207
213	Brain Genomics Superstruct Project initial data release with structural, functional, and behavioral measures. <i>Scientific Data</i> , <b>2015</b> , 2, 150031	8.2	204
212	Differential effects of aging and Alzheimer's disease on medial temporal lobe cortical thickness and surface area. <i>Neurobiology of Aging</i> , <b>2009</b> , 30, 432-40	5.6	203
211	Altered white matter microstructure in the corpus callosum in Huntington's disease: implications for cortical "disconnection". <i>NeuroImage</i> , <b>2010</b> , 49, 2995-3004	7.9	201
210	Evaluating the validity of volume-based and surface-based brain image registration for developmental cognitive neuroscience studies in children 4 to 11 years of age. <i>NeuroImage</i> , <b>2010</b> , 53, 85-93	7.9	198
209	Permutation tests for classification: towards statistical significance in image-based studies. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 18, 330-41	0.9	197
208	Evaluation of volume-based and surface-based brain image registration methods. <i>NeuroImage</i> , <b>2010</b> , 51, 214-20	7.9	194
207	Cortical atrophy is relevant in multiple sclerosis at clinical onset. <i>Journal of Neurology</i> , <b>2007</b> , 254, 1212-29.5		182
206	Accurate prediction of V1 location from cortical folds in a surface coordinate system. <i>NeuroImage</i> , <b>2008</b> , 39, 1585-99	7.9	179
205	Comprehensive cellular-resolution atlas of the adult human brain. <i>Journal of Comparative Neurology</i> , <b>2016</b> , 524, 3127-481	3.4	174
204	Genetic and environmental influences on the size of specific brain regions in midlife: the VETSA MRI study. <i>NeuroImage</i> , <b>2010</b> , 49, 1213-23	7.9	174
203	Atlas renormalization for improved brain MR image segmentation across scanner platforms. <i>IEEE Transactions on Medical Imaging</i> , <b>2007</b> , 26, 479-86	11.7	163
202	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> , <b>2013</b> , 33, 13251-8	6.6	161
201	Studying neuroanatomy using MRI. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 314-326	25.5	147
200	A probabilistic atlas of the human thalamic nuclei combining ex vivo MRI and histology. <i>NeuroImage</i> , <b>2018</b> , 183, 314-326	7.9	144
199	Genetic topography of brain morphology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 17089-94	11.5	143

198	A surface-based analysis of language lateralization and cortical asymmetry. <i>Journal of Cognitive Neuroscience</i> , <b>2013</b> , 25, 1477-92	3.1	142
197	Segregation of somatosensory activation in the human rolandic cortex using fMRI. <i>Journal of Neurophysiology</i> , <b>2000</b> , 84, 558-69	3.2	140
196	On-line automatic slice positioning for brain MR imaging. <i>NeuroImage</i> , <b>2005</b> , 27, 222-30	7.9	139
195	Quantitative evaluation of automated skull-stripping methods applied to contemporary and legacy images: effects of diagnosis, bias correction, and slice location. <i>Human Brain Mapping</i> , <b>2006</b> , 27, 99-113	5.9	131
194	Mapping an intrinsic MR property of gray matter in auditory cortex of living humans: a possible marker for primary cortex and hemispheric differences. <i>NeuroImage</i> , <b>2006</b> , 32, 1524-37	7.9	128
193	The relationship between diffusion tensor imaging and volumetry as measures of white matter properties. <i>NeuroImage</i> , <b>2008</b> , 42, 1654-68	7.9	127
192	Cortical surface-based analysis reduces bias and variance in kinetic modeling of brain PET data. <i>NeuroImage</i> , <b>2014</b> , 92, 225-36	7.9	122
191	Heritability of brain morphology related to schizophrenia: a large-scale automated magnetic resonance imaging segmentation study. <i>Biological Psychiatry</i> , <b>2008</b> , 63, 475-83	7.9	121
190	Brain structure correlates of individual differences in the acquisition and inhibition of conditioned fear. <i>Cerebral Cortex</i> , <b>2011</b> , 21, 1954-62	5.1	120
189	Measuring and comparing brain cortical surface area and other areal quantities. <i>NeuroImage</i> , <b>2012</b> , 61, 1428-43	7.9	117
188	Orbitofrontal thickness, retention of fear extinction, and extraversion. <i>NeuroReport</i> , <b>2005</b> , 16, 1909-12	1.7	113
187	Combined volumetric and surface registration. <i>IEEE Transactions on Medical Imaging</i> , <b>2009</b> , 28, 508-22	11.7	110
186	Cortical thickness is influenced by regionally specific genetic factors. <i>Biological Psychiatry</i> , <b>2010</b> , 67, 493-99	9.9	109
185	Bayesian segmentation of brainstem structures in MRI. <i>NeuroImage</i> , <b>2015</b> , 113, 184-95	7.9	108
184	Gray matter myelination of 1555 human brains using partial volume corrected MRI images. <i>NeuroImage</i> , <b>2015</b> , 105, 473-85	7.9	106
183	Selective increase of cortical thickness in high-performing elderly--structural indices of optimal cognitive aging. <i>NeuroImage</i> , <b>2006</b> , 29, 984-94	7.9	103
182	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> , <b>2011</b> , 54, 2659-71	7.9	102
181	Extending the Human Connectome Project across ages: Imaging protocols for the Lifespan Development and Aging projects. <i>NeuroImage</i> , <b>2018</b> , 183, 972-984	7.9	101

180	Anatomical atlas-guided diffuse optical tomography of brain activation. <i>NeuroImage</i> , <b>2010</b> , 49, 561-7	7.9	100
179	Genetic influences on cortical regionalization in the human brain. <i>Neuron</i> , <b>2011</b> , 72, 537-44	13.9	99
178	False positive rates in surface-based anatomical analysis. <i>NeuroImage</i> , <b>2018</b> , 171, 6-14	7.9	96
177	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> , <b>2009</b> , 29, 8774-83	6.6	92
176	The association between a polygenic Alzheimer score and cortical thickness in clinically normal subjects. <i>Cerebral Cortex</i> , <b>2012</b> , 22, 2653-61	5.1	91
175	Neuroanatomical aging: Universal but not uniform. <i>Neurobiology of Aging</i> , <b>2005</b> , 26, 1279-1282	5.6	91
174	Connectivity-based segmentation of human amygdala nuclei using probabilistic tractography. <i>NeuroImage</i> , <b>2011</b> , 56, 1353-61	7.9	89
173	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> , <b>2012</b> , 15, 304-14	2.2	89
172	BrainPrint: a discriminative characterization of brain morphology. <i>NeuroImage</i> , <b>2015</b> , 109, 232-48	7.9	86
171	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> , <b>2014</b> , 111, 1981-6	11.5	84
170	Spatiotemporal linear mixed effects modeling for the mass-univariate analysis of longitudinal neuroimage data. <i>NeuroImage</i> , <b>2013</b> , 81, 358-370	7.9	84
169	A technique for the deidentification of structural brain MR images. <i>Human Brain Mapping</i> , <b>2007</b> , 28, 892-903	9.0	84
168	Bayesian longitudinal segmentation of hippocampal substructures in brain MRI using subject-specific atlases. <i>NeuroImage</i> , <b>2016</b> , 141, 542-555	7.9	83
167	Locating the functional and anatomical boundaries of human primary visual cortex. <i>NeuroImage</i> , <b>2009</b> , 46, 915-22	7.9	83
166	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> , <b>2009</b> , 47, 1545-57	7.9	83
165	7 Tesla MRI of the ex vivo human brain at 100 micron resolution. <i>Scientific Data</i> , <b>2019</b> , 6, 244	8.2	82
164	Feasibility of multi-site clinical structural neuroimaging studies of aging using legacy data. <i>Neuroinformatics</i> , <b>2007</b> , 5, 235-45	3.2	82
163	Genetic and environmental contributions to regional cortical surface area in humans: a magnetic resonance imaging twin study. <i>Cerebral Cortex</i> , <b>2011</b> , 21, 2313-21	5.1	78



162	Cognitive function and brain structure correlations in healthy elderly East Asians. <i>NeuroImage</i> , <b>2009</b> , 46, 257-69	7.9	78
161	Predicting the location of entorhinal cortex from MRI. <i>NeuroImage</i> , <b>2009</b> , 47, 8-17	7.9	78
160	Segmental brain volumes and cognitive and perceptual correlates in 15-year-old adolescents with low birth weight. <i>Journal of Pediatrics</i> , <b>2009</b> , 155, 848-853.e1	3.6	77
159	Prospective motion correction with volumetric navigators (vNavs) reduces the bias and variance in brain morphometry induced by subject motion. <i>NeuroImage</i> , <b>2016</b> , 127, 11-22	7.9	75
158	The Lifespan Human Connectome Project in Aging: An overview. <i>NeuroImage</i> , <b>2019</b> , 185, 335-348	7.9	74
157	How to measure cortical folding from MR images: a step-by-step tutorial to compute local gyrification index. <i>Journal of Visualized Experiments</i> , <b>2012</b> , e3417	1.6	73
156	Reduced microstructural integrity of the white matter underlying anterior cingulate cortex is associated with increased saccadic latency in schizophrenia. <i>NeuroImage</i> , <b>2007</b> , 37, 599-610	7.9	73
155	FastSurfer - A fast and accurate deep learning based neuroimaging pipeline. <i>NeuroImage</i> , <b>2020</b> , 219, 117012	7.9	72
154	Salivary cortisol and prefrontal cortical thickness in middle-aged men: A twin study. <i>NeuroImage</i> , <b>2010</b> , 53, 1093-102	7.9	72
153	Effects of registration regularization and atlas sharpness on segmentation accuracy. <i>Medical Image Analysis</i> , <b>2008</b> , 12, 603-15	15.4	72
152	Blockface histology with optical coherence tomography: a comparison with Nissl staining. <i>NeuroImage</i> , <b>2014</b> , 84, 524-33	7.9	71
151	Automated MRI measures predict progression to Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2010</b> , 31, 1364-74	5.6	71
150	Cortical surface shape analysis based on spherical wavelets. <i>IEEE Transactions on Medical Imaging</i> , <b>2007</b> , 26, 582-97	11.7	69
149	A genetic algorithm for the topology correction of cortical surfaces. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 19, 393-405	0.9	69
148	Is synthesizing MRI contrast useful for inter-modality analysis?. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 631-8	0.9	68
147	H.M.'s contributions to neuroscience: a review and autopsy studies. <i>Hippocampus</i> , <b>2014</b> , 24, 1267-86	3.5	67
146	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> , <b>2007</b> , 27, 1791-8	6.6	65
145	Abnormal cortical folding patterns within Broca's area in schizophrenia: evidence from structural MRI. <i>Schizophrenia Research</i> , <b>2007</b> , 94, 317-27	3.6	64



144	Quantitative comparison of cortical surface reconstructions from MP2RAGE and multi-echo MP2RAGE data at 3 and 7 T. <i>NeuroImage</i> , <b>2014</b> , 90, 60-73	7.9	63
143	Validating atlas-guided DOT: a comparison of diffuse optical tomography informed by atlas and subject-specific anatomies. <i>NeuroImage</i> , <b>2012</b> , 62, 1999-2006	7.9	62
142	Direct visualization of the perforant pathway in the human brain with ex vivo diffusion tensor imaging. <i>Frontiers in Human Neuroscience</i> , <b>2010</b> , 4, 42	3.3	62
141	The Genetic Association Between Neocortical Volume and General Cognitive Ability Is Driven by Global Surface Area Rather Than Thickness. <i>Cerebral Cortex</i> , <b>2015</b> , 25, 2127-37	5.1	61
140	Presence of ApoE $\epsilon$ 4 allele associated with thinner frontal cortex in middle age. <i>Journal of Alzheimer's Disease</i> , <b>2011</b> , 26 Suppl 3, 49-60	4.3	60
139	Human cerebellum: surface-assisted cortical parcellation and volumetry with magnetic resonance imaging. <i>Journal of Cognitive Neuroscience</i> , <b>2003</b> , 15, 584-99	3.1	60
138	Selective disruption of the cerebral neocortex in Alzheimer's disease. <i>PLoS ONE</i> , <b>2010</b> , 5, e12853	3.7	60
137	Predicting the location of human perirhinal cortex, Brodmann's area 35, from MRI. <i>NeuroImage</i> , <b>2013</b> , 64, 32-42	7.9	59
136	Human cerebral cortex: a system for the integration of volume- and surface-based representations. <i>NeuroImage</i> , <b>2006</b> , 33, 139-53	7.9	59
135	Shared genetic risk between corticobasal degeneration, progressive supranuclear palsy, and frontotemporal dementia. <i>Acta Neuropathologica</i> , <b>2017</b> , 133, 825-837	14.3	58
134	Regional cortical thickness matters in recall after months more than minutes. <i>NeuroImage</i> , <b>2006</b> , 31, 1343-51	7.9	58
133	The Cytoarchitecture of Domain-specific Regions in Human High-level Visual Cortex. <i>Cerebral Cortex</i> , <b>2017</b> , 27, 146-161	5.1	57
132	Analysis strategies for high-resolution UHF-fMRI data. <i>NeuroImage</i> , <b>2018</b> , 168, 296-320	7.9	54
131	Detailed semiautomated MRI based morphometry of the neonatal brain: preliminary results. <i>NeuroImage</i> , <b>2006</b> , 32, 1041-9	7.9	52
130	Learning task-optimal registration cost functions for localizing cytoarchitecture and function in the cerebral cortex. <i>IEEE Transactions on Medical Imaging</i> , <b>2010</b> , 29, 1424-41	11.7	50
129	A tale of two factors: what determines the rate of progression in Huntington's disease? A longitudinal MRI study. <i>Movement Disorders</i> , <b>2011</b> , 26, 1691-7	7	49
128	Improved tractography alignment using combined volumetric and surface registration. <i>NeuroImage</i> , <b>2010</b> , 51, 206-13	7.9	49
127	Cortical volume and speed-of-processing are complementary in prediction of performance intelligence. <i>Neuropsychologia</i> , <b>2005</b> , 43, 704-13	3.2	49

126	Assessing atrophy measurement techniques in dementia: Results from the MIRIAD atrophy challenge. <i>NeuroImage</i> , <b>2015</b> , 123, 149-64	7.9	48
125	Dementia After Moderate-Severe Traumatic Brain Injury: Coexistence of Multiple Proteinopathies. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2018</b> , 77, 50-63	3.1	46
124	An MRI-based method for measuring volume, thickness and surface area of entorhinal, perirhinal, and posterior parahippocampal cortex. <i>Neurobiology of Aging</i> , <b>2009</b> , 30, 420-31	5.6	45
123	Cross-validation of serial optical coherence scanning and diffusion tensor imaging: a study on neural fiber maps in human medulla oblongata. <i>NeuroImage</i> , <b>2014</b> , 100, 395-404	7.9	44
122	A FreeSurfer-compliant consistent manual segmentation of infant brains spanning the 0-2 year age range. <i>Frontiers in Human Neuroscience</i> , <b>2015</b> , 9, 21	3.3	44
121	Comparison of manual and automatic section positioning of brain MR images. <i>Radiology</i> , <b>2006</b> , 239, 246-54.5	5.5	44
120	Optical coherence tomography visualizes neurons in human entorhinal cortex. <i>NeuroPhotonics</i> , <b>2015</b> , 2, 015004	3.9	42
119	Advantages of cortical surface reconstruction using submillimeter 7T MEMPRAGE. <i>NeuroImage</i> , <b>2018</b> , 165, 11-26	7.9	42
118	Genetic patterns of correlation among subcortical volumes in humans: results from a magnetic resonance imaging twin study. <i>Human Brain Mapping</i> , <b>2011</b> , 32, 641-53	5.9	42
117	Atlas generation for subcortical and ventricular structures with its applications in shape analysis. <i>IEEE Transactions on Image Processing</i> , <b>2010</b> , 19, 1539-47	8.7	40
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