

Owen T Carmichael

List of Publications by Year in Descending Order

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

139 papers	6,108 citations	43 h-index	76 g-index
143 ext. papers	7,325 ext. citations	6.2 avg, IF	5.35 L-index

#	Paper	IF	Citations
139	Imaging in drug development 2022 , 343-358		
138	Dissociation of tau pathology and neuronal hypometabolism within the ATN framework of Alzheimer's disease.. <i>Nature Communications</i> , 2022 , 13, 1495	17.4	0
137	The effects of the form of sugar (solid vs. beverage) on body weight and fMRI activation: A randomized controlled pilot study. <i>PLoS ONE</i> , 2021 , 16, e0251700	3.7	1
136	Does the impact of intensive lifestyle intervention on cognitive function vary depending baseline level of frailty? An ancillary study to the Action for Health in Diabetes (Look AHEAD) Trial. <i>Journal of Diabetes and Its Complications</i> , 2021 , 35, 107909	3.2	
135	Estrogen, brain structure, and cognition in postmenopausal women. <i>Human Brain Mapping</i> , 2021 , 42, 24-35	5.9	8
134	Deep Stacking Networks for Conditional Nonlinear Granger Causal Modeling of fMRI Data. <i>Lecture Notes in Computer Science</i> , 2021 , 113-124	0.9	2
133	Neuroimaging, Behavioral, and Gait Correlates of Fall Profile in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 630049	5.3	
132	Legacy of a 10-Year Multidomain Lifestyle Intervention on the Cognitive Trajectories of Individuals with Overweight/Obesity and Type 2 Diabetes Mellitus. <i>Dementia and Geriatric Cognitive Disorders</i> , 2021 , 50, 237-249	2.6	0
131	Effects of testosterone administration on fMRI responses to executive function, aggressive behavior, and emotion processing tasks during severe exercise- and diet-induced energy deficit. <i>NeuroImage</i> , 2021 , 243, 118496	7.9	2
130	Constrained Learning of Task-Related and Spatially-Coherent Dictionaries from Task fMRI Data. <i>Lecture Notes in Computer Science</i> , 2021 , 165-173	0.9	
129	Do menopausal status and APOE4 genotype alter the long-term effects of intensive lifestyle intervention on cognitive function in women with type 2 diabetes mellitus?. <i>Neurobiology of Aging</i> , 2020 , 92, 61-72	5.6	7
128	Automated White Matter Hyperintensity Segmentation Using Bayesian Model Selection: Assessment and Correlations with Cognitive Change. <i>Neuroinformatics</i> , 2020 , 18, 429-449	3.2	8
127	A Pilot Study of Cardiorespiratory Fitness, Adiposity, and Cardiometabolic Health in Youth With Overweight and Obesity. <i>Pediatric Exercise Science</i> , 2020 , 32, 124-131	2	1
126	Pattern of regional white matter hyperintensity volume in mild cognitive impairment subtypes and associations with decline in daily functioning. <i>Neurobiology of Aging</i> , 2020 , 86, 134-142	5.6	12
125	Total body skeletal muscle mass estimated by magnetic resonance imaging and creatine (methyl-d) dilution in athletes. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020 , 30, 421-428	4.6	1
124	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020 , 11, 4796	17.4	16
123	Higher CSF sTREM2 attenuates ApoE4-related risk for cognitive decline and neurodegeneration. <i>Molecular Neurodegeneration</i> , 2020 , 15, 57	19	16

122	Long-term Change in Physiological Markers and Cognitive Performance in Type 2 Diabetes: The Look AHEAD Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	3
121	Sex-Related Differences in Brain Volumes and Cerebral Blood Flow Among Overweight and Obese Adults With Type 2 Diabetes: Exploratory Analyses From the Action for Health in Diabetes Brain Magnetic Resonance Imaging Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 771-778	6.4	8
120	Examining Relationships between Multiple Self-Reported Sleep Measures and Gait Domains in Cognitively Healthy Older Adults. <i>Gerontology</i> , 2020 , 66, 47-54	5.5	3
119	High-Normal Adolescent Fasting Plasma Glucose Is Associated With Poorer Midlife Brain Health: Bogalusa Heart Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 4492-4500	5.6	7
118	Brain MRI findings related to Alzheimer's disease in older African American adults. <i>Progress in Molecular Biology and Translational Science</i> , 2019 , 165, 3-23	4	5
117	Brain functional differences in visuo-motor task adaptation between dominant and non-dominant hand training. <i>Experimental Brain Research</i> , 2019 , 237, 3109-3121	2.3	3
116	Magnetic resonance elastography of the brain: A study of feasibility and reproducibility using an ergonomic pillow-like passive driver. <i>Magnetic Resonance Imaging</i> , 2019 , 59, 68-76	3.3	6
115	Effects of testosterone supplementation on body composition and lower-body muscle function during severe exercise- and diet-induced energy deficit: A proof-of-concept, single centre, randomised, double-blind, controlled trial. <i>EBioMedicine</i> , 2019 , 46, 411-422	8.8	21
114	Vascular Burden Score Impacts Cognition Independent of Amyloid PET and MRI Measures of Alzheimer's Disease and Vascular Brain Injury. <i>Journal of Alzheimer's Disease</i> , 2019 , 68, 187-196	4.3	14
113	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019 , 51, 1624-1636	5.6	81
112	Long-term Impact of Weight Loss Intervention on Changes in Cognitive Function: Exploratory Analyses from the Action for Health in Diabetes Randomized Controlled Clinical Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 484-491	6.4	18
111	Estimating fiber orientation distribution from diffusion MRI with spherical needlets. <i>Medical Image Analysis</i> , 2018 , 46, 57-72	15.4	3
110	A Combination of Essential Fatty Acids, Panax Ginseng Extract, and Green Tea Catechins Modifies Brain fMRI Signals in Healthy Older Adults. <i>Journal of Nutrition, Health and Aging</i> , 2018 , 22, 837-846	5.2	14
109	Long Term Effect of Intensive Lifestyle Intervention on Cerebral Blood Flow. <i>Journal of the American Geriatrics Society</i> , 2018 , 66, 120-126	5.6	20
108	Baseline connectome modular abnormalities in the childhood phase of a longitudinal study on individuals with chromosome 22q11.2 deletion syndrome. <i>Human Brain Mapping</i> , 2018 , 39, 232-248	5.9	9
107	Perceptual Characterization of the Macronutrient Picture System (MaPS) for Food Image fMRI. <i>Frontiers in Psychology</i> , 2018 , 9, 17	3.4	14
106	Impact of a Multidomain Intensive Lifestyle Intervention on Complaints About Memory, Problem-Solving, and Decision-Making Abilities: The Action for Health in Diabetes Randomized Controlled Clinical Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 1560-1567	6.4	7
105	Impact of Intensive Lifestyle Intervention for Weight Management on Self-Reported Cognitive Function—The Action for Health in Diabetes (Look AHEAD) Randomized Controlled Trial. <i>Diabetes</i> , 2018 , 67, 817-P	0.9	1

104	Pedometer-assessed steps per day as a predictor of cognitive performance in older adults. <i>Neuropsychology</i> , 2018 , 32, 941-949	3.8	8
103	Validation of T1w-based segmentations of white matter hyperintensity volumes in large-scale datasets of aging. <i>Human Brain Mapping</i> , 2018 , 39, 1093-1107	5.9	32
102	Patterns of progressive atrophy vary with age in Alzheimer's disease patients. <i>Neurobiology of Aging</i> , 2018 , 63, 22-32	5.6	23
101	The role of fMRI in drug development. <i>Drug Discovery Today</i> , 2018 , 23, 333-348	8.8	35
100	3D MRI Modeling of Thin and Spatially Complex Soft Tissue Structures without Shrinkage: Lamprey Myosepta as an Example. <i>Anatomical Record</i> , 2018 , 301, 1745-1763	2.1	0
99	Sex-related differences in the prevalence of cognitive impairment among overweight and obese adults with type 2 diabetes. <i>Alzheimer's and Dementia</i> , 2018 , 14, 1184-1192	1.2	12
98	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017 , 8, 13624	17.4	173
97	White matter hyperintensities correlate to cognition and fiber tract integrity in older adults with HIV. <i>Journal of NeuroVirology</i> , 2017 , 23, 422-429	3.9	36
96	Independent value added by diffusion MRI for prediction of cognitive function in older adults. <i>NeuroImage: Clinical</i> , 2017 , 14, 166-173	5.3	10
95	Validation of a Regression Technique for Segmentation of White Matter Hyperintensities in Alzheimer's Disease. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 1758-1768	11.7	43
94	Physiological and psychological effects of testosterone during severe energy deficit and recovery: A study protocol for a randomized, placebo-controlled trial for Optimizing Performance for Soldiers (OPS). <i>Contemporary Clinical Trials</i> , 2017 , 58, 47-57	2.3	10
93	White matter hyperintensities are associated with disproportionate progressive hippocampal atrophy. <i>Hippocampus</i> , 2017 , 27, 249-262	3.5	45
92	Performance comparison of 10 different classification techniques in segmenting white matter hyperintensities in aging. <i>NeuroImage</i> , 2017 , 157, 233-249	7.9	40
91	Associations between height and blood pressure in the United States population. <i>Medicine (United States)</i> , 2017 , 96, e9233	1.8	30
90	Quantifying Biochemical Alterations in Brown and Subcutaneous White Adipose Tissues of Mice Using Fourier Transform Infrared Widefield Imaging. <i>Frontiers in Endocrinology</i> , 2017 , 8, 121	5.7	5
89	Longitudinal Relationships between Caloric Expenditure and Gray Matter in the Cardiovascular Health Study. <i>Journal of Alzheimer's Disease</i> , 2016 , 52, 719-29	4.3	16
88	Quantifying Individual Brain Connectivity with Functional Principal Component Analysis for Networks. <i>Brain Connectivity</i> , 2016 , 6, 540-7	2.7	4
87	The hippocampi of children with chromosome 22q11.2 deletion syndrome have localized anterior alterations that predict severity of anxiety. <i>Journal of Psychiatry and Neuroscience</i> , 2016 , 41, 203-13	4.5	9

86	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016 , 19, 1569-1582	25.5	147
85	Cerebral amyloid is associated with greater white-matter hyperintensity accrual in cognitively normal older adults. <i>Neurobiology of Aging</i> , 2016 , 48, 48-52	5.6	26
84	The effect of white matter hyperintensities on neurodegeneration in mild cognitive impairment. <i>Alzheimer's and Dementia</i> , 2015 , 11, 1510-1519	1.2	62
83	Disrupted fornix integrity in children with chromosome 22q11.2 deletion syndrome. <i>Psychiatry Research - Neuroimaging</i> , 2015 , 232, 106-114	2.9	12
82	Magnetic resonance imaging in Alzheimer's Disease Neuroimaging Initiative 2. <i>Alzheimer's and Dementia</i> , 2015 , 11, 740-56	1.2	101
81	Estimation of integral curves from high angular resolution diffusion imaging (HARDI) data. <i>Linear Algebra and Its Applications</i> , 2015 , 473, 377-403	0.9	4
80	Cooccurrence of vascular risk factors and late-life white-matter integrity changes. <i>Neurobiology of Aging</i> , 2015 , 36, 1670-1677	5.6	20
79	Emerging Technologies and their Applications in Lipid Compartment Measurement. <i>Trends in Endocrinology and Metabolism</i> , 2015 , 26, 688-698	8.8	16
78	Physical activity, body mass index, and brain atrophy in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015 , 36 Suppl 1, S194-S202	5.6	45
77	Relationship between Systemic and Cerebral Vascular Disease and Brain Structure Integrity in Normal Elderly Individuals. <i>Journal of Alzheimer's Disease</i> , 2015 , 44, 319-28	4.3	13
76	Cerebral Amyloid and Hypertension are Independently Associated with White Matter Lesions in Elderly. <i>Frontiers in Aging Neuroscience</i> , 2015 , 7, 221	5.3	39
75	Apolipoprotein E is associated with lower brain volume in cognitively normal Chinese but not white older adults. <i>PLoS ONE</i> , 2015 , 10, e0118338	3.7	10
74	White matter hyperintensities among older adults are associated with futile increase in frontal activation and functional connectivity during spatial search. <i>PLoS ONE</i> , 2015 , 10, e0122445	3.7	20
73	Algal toxin impairs sea lion memory and hippocampal connectivity, with implications for strandings. <i>Science</i> , 2015 , 350, 1545-7	33.3	52
72	Unified and Contrasting Cuts in Multiple Graphs 2015 ,		5
71	White matter hyperintensities and their penumbra lie along a continuum of injury in the aging brain. <i>Stroke</i> , 2014 , 45, 1721-6	6.7	100
70	White matter hyperintensities are associated with visual search behavior independent of generalized slowing in aging. <i>Neuropsychologia</i> , 2014 , 52, 93-101	3.2	9
69	Preventing vascular effects on brain injury and cognition late in life: knowns and unknowns. <i>Neuropsychology Review</i> , 2014 , 24, 371-87	7.7	12

68	Resting state functional connectivity is associated with cognitive dysfunction in non-demented people with Parkinson's disease. <i>Journal of Parkinson's Disease</i> , 2014 , 4, 453-65	5.3	39
67	Early Brain Loss in Circuits Affected by Alzheimer's Disease is Predicted by Fornix Microstructure but may be Independent of Gray Matter. <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 106	5.3	27
66	Spectral Clustering for Medical Imaging 2014 ,		7
65	Predicting aggressive decline in mild cognitive impairment: the importance of white matter hyperintensities. <i>JAMA Neurology</i> , 2014 , 71, 872-7	17.2	63
64	White matter hyperintensities and amyloid are independently associated with entorhinal cortex volume among individuals with mild cognitive impairment. <i>Alzheimer's and Dementia</i> , 2013 , 9, S124-31	1.2	53
63	Loss of fornix white matter volume as a predictor of cognitive impairment in cognitively normal elderly individuals. <i>JAMA Neurology</i> , 2013 , 70, 1389-95	17.2	79
62	Robust measurement of individual localized changes to the aging hippocampus. <i>Computer Vision and Image Understanding</i> , 2013 , 117, 1128-1137	4.3	1
61	Standardization of analysis sets for reporting results from ADNI MRI data. <i>Alzheimer's and Dementia</i> , 2013 , 9, 332-7	1.2	129
60	Vascular and Alzheimer's disease markers independently predict brain atrophy rate in Alzheimer's Disease Neuroimaging Initiative controls. <i>Neurobiology of Aging</i> , 2013 , 34, 1996-2002	5.6	51
59	Dissociable effects of Alzheimer disease and white matter hyperintensities on brain metabolism. <i>JAMA Neurology</i> , 2013 , 70, 1039-45	17.2	46
58	Coevolution of brain structures in amnesic mild cognitive impairment. <i>NeuroImage</i> , 2013 , 66, 449-56	7.9	24
57	Combining boundary-based methods with tensor-based morphometry in the measurement of longitudinal brain change. <i>IEEE Transactions on Medical Imaging</i> , 2013 , 32, 223-36	11.7	14
56	Effects of T2-Weighted MRI Based Cranial Volume Measurements on Studies of the Aging Brain. <i>Proceedings of SPIE</i> , 2013 , 8669,	1.7	4
55	FLAIR and diffusion MRI signals are independent predictors of white matter hyperintensities. <i>American Journal of Neuroradiology</i> , 2013 , 34, 54-61	4.4	104
54	Subgroup of ADNI normal controls characterized by atrophy and cognitive decline associated with vascular damage. <i>Psychology and Aging</i> , 2013 , 28, 191-201	3.6	27
53	Everyday cognition in older adults: associations with neuropsychological performance and structural brain imaging. <i>Journal of the International Neuropsychological Society</i> , 2013 , 19, 430-41	3.1	59
52	Diffusion tensor smoothing through weighted Karcher means. <i>Electronic Journal of Statistics</i> , 2013 , 7, 1913-1956	1.2	9
51	Globally optimal cortical surface matching with exact landmark correspondence. <i>Lecture Notes in Computer Science</i> , 2013 , 23, 487-98	0.9	18

50	Associations among vascular risk factors, carotid atherosclerosis, and cortical volume and thickness in older adults. <i>Stroke</i> , 2012 , 43, 2865-70	6.7	43
49	MRI predictors of cognitive change in a diverse and carefully characterized elderly population. <i>Neurobiology of Aging</i> , 2012 , 33, 83-95	5.6	73
48	Maximal brain size remains an important predictor of cognition in old age, independent of current brain pathology. <i>Neurobiology of Aging</i> , 2012 , 33, 1758-68	5.6	36
47	White matter lesions and brain gray matter volume in cognitively normal elders. <i>Neurobiology of Aging</i> , 2012 , 33, 834.e7-16	5.6	88
46	Localized hippocampus measures are associated with Alzheimer pathology and cognition independent of total hippocampal volume. <i>Neurobiology of Aging</i> , 2012 , 33, 1124.e31-41	5.6	37
45	Influence of functional connectivity and structural MRI measures on episodic memory. <i>Neurobiology of Aging</i> , 2012 , 33, 2612-20	5.6	47
44	Effects of systolic blood pressure on white-matter integrity in young adults in the Framingham Heart Study: a cross-sectional study. <i>Lancet Neurology</i> , 2012 , 11, 1039-47	24.1	202
43	Adaptive image segmentation for robust measurement of longitudinal brain tissue change. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 5319-22	0.9	39
42	Sub-Regional Hippocampal Injury is Associated with Fornix Degeneration in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2012 , 4, 1	5.3	72
41	Episodic memory function is associated with multiple measures of white matter integrity in cognitive aging. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 56	3.3	85
40	Coevolution of white matter hyperintensities and cognition in the elderly. <i>Neurology</i> , 2012 , 79, 442-8	6.5	113
39	The role of diffusion tensor imaging in the study of cognitive aging. <i>Current Topics in Behavioral Neurosciences</i> , 2012 , 11, 289-320	3.4	23
38	Incidence of mild cognitive impairment in the Pittsburgh Cardiovascular Health Study-Cognition Study. <i>Neurology</i> , 2012 , 79, 1599-606	6.5	69
37	The contributions of MRI-based measures of gray matter, white matter hyperintensity, and white matter integrity to late-life cognition. <i>American Journal of Neuroradiology</i> , 2012 , 33, 1797-803	4.4	15
36	Most edges in Markov random fields for white matter hyperintensity segmentation are worthless. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 2684-7	0.9	
35	Brain shape regression components. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 2680-3	0.9	
34	Impact of DTI smoothing on the study of brain aging. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 94-7	0.9	2
33	Subcortical brain atrophy persists even in HAART-regulated HIV disease. <i>Brain Imaging and Behavior</i> , 2011 , 5, 77-85	4.1	134

32	Cognitive reserve and Alzheimer's disease biomarkers are independent determinants of cognition. <i>Brain</i> , 2011 , 134, 1479-92	11.2	96
31	Impact of Markov Random Field optimizer on MRI-based tissue segmentation in the aging brain. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 7812-5	0.9	
30	White matter hyperintensity penumbra. <i>Stroke</i> , 2011 , 42, 1917-22	6.7	132
29	Brain structure and cerebrovascular risk in cognitively impaired patients: Shanghai Community Brain Health Initiative-pilot phase. <i>Archives of Neurology</i> , 2010 , 67, 1231-7		12
28	A commonly carried allele of the obesity-related FTO gene is associated with reduced brain volume in the healthy elderly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 8404-9	11.5	202
27	Vascular and degenerative processes differentially affect regional interhemispheric connections in normal aging, mild cognitive impairment, and Alzheimer disease. <i>Stroke</i> , 2010 , 41, 1791-7	6.7	66
26	Longitudinal changes in white matter disease and cognition in the first year of the Alzheimer disease neuroimaging initiative. <i>Archives of Neurology</i> , 2010 , 67, 1370-8		172
25	Subtypes based on cerebrospinal fluid and magnetic resonance imaging markers in normal elderly predict cognitive decline. <i>Neurobiology of Aging</i> , 2010 , 31, 1419-28	5.6	52
24	Heterogeneity of cognitive trajectories in diverse older persons. <i>Psychology and Aging</i> , 2010 , 25, 606-19	3.6	108
23	Mild cognitive impairment and alzheimer disease: patterns of altered cerebral blood flow at MR imaging. <i>Radiology</i> , 2009 , 250, 856-66	20.5	272
22	Trajectories of brain loss in aging and the development of cognitive impairment. <i>Neurology</i> , 2009 , 72, 771; author reply 771-2	6.5	5
21	Spatially localized hippocampal shape analysis in late-life cognitive decline. <i>Hippocampus</i> , 2009 , 19, 526-35	3.5	14
20	Exploration of shape variation using localized components analysis. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2009 , 31, 1510-6	13.3	9
19	Fully-automated white matter hyperintensity detection with anatomical prior knowledge and without FLAIR. <i>Lecture Notes in Computer Science</i> , 2009 , 21, 239-51	0.9	70
18	Estimating uncertainty in brain region delineations. <i>Lecture Notes in Computer Science</i> , 2009 , 21, 479-90	0.9	4
17	Interactive Volume Rendering of Diffusion Tensor Data. <i>Mathematics and Visualization</i> , 2009 , 161-176	0.6	
16	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
15	Localized measures of callosal atrophy are associated with late-life hypertension: AGES-Reykjavik Study. <i>NeuroImage</i> , 2008 , 43, 489-96	7.9	11

14	Abnormal regional cerebral blood flow in cognitively normal elderly subjects with hypertension. <i>Stroke</i> , 2008 , 39, 349-54	6.7	114
13	Effects of image normalization on the statistical analysis of perfusion MRI in elderly brains. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 28, 1351-60	5.6	5
12	AUTOMATED 3D MAPPING & SHAPE ANALYSIS OF THE LATERAL VENTRICLES VIA FLUID REGISTRATION OF MULTIPLE SURFACE-BASED ATLASES 2007 ,		6
11	Cerebral ventricular changes associated with transitions between normal cognitive function, mild cognitive impairment, and dementia. <i>Alzheimer Disease and Associated Disorders</i> , 2007 , 21, 14-24	2.5	81
10	Ventricular volume and dementia progression in the Cardiovascular Health Study. <i>Neurobiology of Aging</i> , 2007 , 28, 389-97	5.6	76
9	Acceleration of cerebral ventricular expansion in the Cardiovascular Health Study. <i>Neurobiology of Aging</i> , 2007 , 28, 1316-21	5.6	23
8	Localized components analysis. <i>Lecture Notes in Computer Science</i> , 2007 , 20, 519-31	0.9	10
7	Quantitative comparison of AIR, SPM, and the fully deformable model for atlas-based segmentation of functional and structural MR images. <i>Human Brain Mapping</i> , 2006 , 27, 747-54	5.9	59
6	Atlas-based hippocampus segmentation in Alzheimer's disease and mild cognitive impairment. <i>NeuroImage</i> , 2005 , 27, 979-90	7.9	156
5	Shape-based recognition of wiry objects. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2004 , 26, 1537-52	13.3	29
4	Learning Low-Level Vision. <i>International Journal of Computer Vision</i> , 2000 , 40, 25-47	10.6	877
3	Rigorous simulation of statistical electron-electron interactions with fast multipole acceleration and a network of workstations. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1998 , 16, 3221		0
2	Genetic Architecture of Subcortical Brain Structures in Over 40,000 Individuals Worldwide		5
1	Genetic Determinants of Cortical Structure (Thickness, Surface Area and Volumes) among Disease Free Adults in the CHARGE Consortium		7