Josephine Barnes

List of Publications by Year
in descending order

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95 papers	7,705 citations	53660 45 h-index	53109 85 g-index
131 all docs	131 docs citations	131 times ranked	10629 citing authors

#	Article	IF	Citations
1	Circulating Metabolome and White Matter Hyperintensities in Women and Men. Circulation, 2022, 145, 1040-1052.	1.6	17
2	Associations of Î²-Amyloid and Vascular Burden With Rates of Neurodegeneration in Cognitively Normal Members of the 1946 British Birth Cohort. Neurology, 2022, 99, .	1.5	12
3	Familial British dementia: a clinical and multi-modal imaging case study. Journal of Neurology, 2022, 269, 3926-3930.	1.8	2
4	The age-dependent associations of white matter hyperintensities and neurofilament light in early- and late-stage Alzheimer's disease. Neurobiology of Aging, 2021, 97, 10-17.	1.5	18
5	A populationâ€based study of head injury, cognitive function and pathological markers. Annals of Clinical and Translational Neurology, 2021, 8, 842-856.	1.7	5
6	Investigating the relationship between BMI across adulthood and late life brain pathologies. Alzheimer's Research and Therapy, 2021, 13, 91.	3.0	7
7	Sex-related differences in whole brain volumes at age 70 in association with hyperglycemia during adult life. Neurobiology of Aging, 2021, 112, 161-169.	1.5	1
8	Presumed small vessel disease, imaging and cognition markers in the Alzheimerâ€™s Disease Neuroimaging Initiative. Brain Communications, 2021, 3, fcab226.	1.5	2
9	Safety and efficacy of losartan for the reduction of brain atrophy in clinically diagnosed Alzheimer's disease (the RADAR trial): a double-blind, randomised, placebo-controlled, phase 2 trial. Lancet Neurology, The, 2021, 20, 895-906.	4.9	26
10	Losartan to slow the progression of mild-to-moderate Alzheimerâ€™s disease through angiotensin targeting: the RADAR RCT. Efficacy and Mechanism Evaluation, 2021, 8, 1-72.	0.9	3
11	Associations Between Vascular Risk Across Adulthood and Brain Pathology in Late Life. JAMA Neurology, 2020, 77, 175.	4.5	55
12	High blood pressure predicts hippocampal atrophy rate in cognitively impaired elders. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12035.	1.2	6
13	Automated White Matter Hyperintensity Segmentation Using Bayesian Model Selection: Assessment and Correlations with Cognitive Change. Neuroinformatics, 2020, 18, 429-449.	1.5	14
14	CSF amyloid is a consistent predictor of white matter hyperintensities across the disease course from aging to Alzheimer's disease. Neurobiology of Aging, 2020, 91, 5-14.	1.5	30
15	Associations between blood pressure across adulthood and late-life brain structure and pathology in the neuroscience substudy of the 1946 British birth cohort (Insight 46): an epidemiological study. Lancet Neurology, The, 2019, 18, 942-952.	4.9	178
16	Patterns of progressive atrophy vary with age in Alzheimer's disease patients. Neurobiology of Aging, 2018, 63, 22-32.	1.5	31
17	Disease Course Varies According to Age and Symptom Length in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2018, 64, 631-642.	1.2	20
18	APOE Îµ4 status is associated with white matter hyperintensities volume accumulation rate independent of AD diagnosis. Neurobiology of Aging, 2017, 53, 67-75.	1.5	44

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19	A Comparison of Accelerated and Non-accelerated MRI Scans for Brain Volume and Boundary Shift Integral Measures of Volume Change: Evidence from the ADNI Dataset. Neuroinformatics, 2017, 15, 215-226.	1.5	14
20	White matter hyperintensities are associated with disproportionate progressive hippocampal atrophy. Hippocampus, 2017, 27, 249-262.	0.9	62
21	[P2â€“545]: VASCULAR AND EARLY LIFE INFLUENCES ON CEREBROVASCULAR DISEASE IN INSIGHT 46: A SUBâ€STUDY OF THE MRC NATIONAL SURVEY OF HEALTH AND DEVELOPMENT (NSHD) BRITISH BIRTH COHORT. Alzheimer's and Dementia, 2017, 13, P851.	0.4	0
22	[O3â€“10â€“04]: SIMULTANEOUS CHANGES IN BLOOD PRESSURE, COGNITION AND BRAIN VOLUME IN AGEING, MILD COGNITIVE IMPAIRMENT AND ALZHEIMER's DISEASE. Alzheimer's and Dementia, 2017, 13, P924.	0.4	0
23	[P4â€“524]: WHITE MATTER HYPERINTENSITIES ARE ASSOCIATED WITH HIPPOCAMPAL ATROPHY RATES AFTER ADJUSTING FOR OTHER VASCULAR MARKERS IN PREDEMENTIA DISEASE STAGES. Alzheimer's and Dementia, 2017, 13, P1547.	0.4	0
24	[ICâ€Pâ€087]: SIMULTANEOUS CHANGES IN BLOOD PRESSURE, COGNITION AND BRAIN VOLUME IN AGEING, MILD COGNITIVE IMPAIRMENT AND ALZHEIMER's DISEASE. Alzheimer's and Dementia, 2017, 13, P70.	0.4	0
25	Repeatability and Reproducibility of Measurements of Femoral and Tibial Alignment Using Computed Tomography Multiplanar Reconstructions. Veterinary Surgery, 2015, 44, 85-93.	0.5	35
26	Differential hippocampal shapes in posterior cortical atrophy patients: A comparison with control and typical <scp>AD</scp> subjects. Human Brain Mapping, 2015, 36, 5123-5136.	1.9	19
27	Prevalence and Cognitive Impact of Medial Temporal Atrophy in a Hospital Stroke Service: Retrospective Cohort Study. International Journal of Stroke, 2015, 10, 861-867.	2.9	16
28	Alzheimer's disease first symptoms are age dependent: Evidence fromÂthe NACC dataset. Alzheimer's and Dementia, 2015, 11, 1349-1357.	0.4	93
29	The EADCâ€ADNI Harmonized Protocol for manual hippocampal segmentation on magnetic resonance: Evidence of validity. Alzheimer's and Dementia, 2015, 11, 111-125.	0.4	162
30	Accurate automatic estimation of total intracranial volume: A nuisance variable with less nuisance. NeuroImage, 2015, 104, 366-372.	2.1	371
31	Magnetic resonance imaging in Alzheimer's Disease Neuroimaging Initiative 2. Alzheimer's and Dementia, 2015, 11, 740-756.	0.4	142
32	Bayesian Model Selection for Pathological Neuroimaging Data Applied to White Matter Lesion Segmentation. IEEE Transactions on Medical Imaging, 2015, 34, 2079-2102.	5.4	123
33	Delphi definition of the EADCâ€ADNI Harmonized Protocol for hippocampal segmentation on magnetic resonance. Alzheimer's and Dementia, 2015, 11, 126-138.	0.4	123
34	Detailed volumetric analysis of the hypothalamus in behavioral variant frontotemporal dementia. Journal of Neurology, 2015, 262, 2635-2642.	1.8	60
35	APOE Îµ4 Is Associated with Disproportionate Progressive Hippocampal Atrophy in AD. PLoS ONE, 2014, 9, e97608.	1.1	53
36	The search for early markers of AD: hippocampal atrophy and memory deficits. International Psychogeriatrics, 2014, 26, 1065-1066.	0.6	11

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37	Automated Template-Based Hippocampal Segmentations from MRI: The Effects of 1.5T or 3T Field Strength on Accuracy. Neuroinformatics, 2014, 12, 405-412.	1.5	11
38	R47H TREM2 variant increases risk of typical earlyâ€onset Alzheimer's disease but not of prion or frontotemporal dementia. Alzheimer's and Dementia, 2014, 10, 602.	0.4	94
39	Bayesian Model Selection for Pathological Data. Lecture Notes in Computer Science, 2014, 17, 323-330.	1.0	3
40	STEPS: Similarity and Truth Estimation for Propagated Segmentations and its application to hippocampal segmentation and brain parcelation. Medical Image Analysis, 2013, 17, 671-684.	7.0	215
41	Visual ratings of atrophy in MCI: prediction of conversion and relationship with CSF biomarkers. Neurobiology of Aging, 2013, 34, 73-82.	1.5	41
42	Vascular and Alzheimer's disease markers independently predict brain atrophy rate in Alzheimer's Disease Neuroimaging Initiative controls. Neurobiology of Aging, 2013, 34, 1996-2002.	1.5	66
43	Cerebral atrophy in mild cognitive impairment and Alzheimer disease. Neurology, 2013, 80, 648-654.	1.5	133
44	The Value of Hippocampal and Temporal Horn Volumes and Rates of Change in Predicting Future Conversion to AD. Alzheimer Disease and Associated Disorders, 2013, 27, 168-173.	0.6	28
45	Genetic Influences on Atrophy Patterns in Familial Alzheimer's Disease: A Comparison of APP and PSEN1 Mutations. Journal of Alzheimer's Disease, 2013, 35, 199-212.	1.2	36
46	Targeted Recruitment Using Cerebrospinal Fluid Biomarkers: Implications for Alzheimer's Disease Therapeutic Trials. Journal of Alzheimer's Disease, 2013, 34, 431-437.	1.2	7
47	Using Manifold Learning for Atlas Selection in Multi-Atlas Segmentation. PLoS ONE, 2013, 8, e70059.	1.1	34
48	Atrophy Rates in Asymptomatic Amyloidosis: Implications for Alzheimer Prevention Trials. PLoS ONE, 2013, 8, e58816.	1.1	38
49	Early-onset Alzheimer disease clinical variants. Neurology, 2012, 79, 80-84.	1.5	77
50	Global gray matter changes in posterior cortical atrophy: A serial imaging study. Alzheimer's and Dementia, 2012, 8, 502-512.	0.4	45
51	Posterior cerebral atrophy in the absence of medial temporal lobe atrophy in pathologically-confirmed Alzheimer's disease. Neurobiology of Aging, 2012, 33, 627.e1-627.e12.	1.5	74
52	An event-based model for disease progression and its application in familial Alzheimer's disease and Huntington's disease. NeuroImage, 2012, 60, 1880-1889.	2.1	192
53	Brain MAPS: An automated, accurate and robust brain extraction technique using a template library. NeuroImage, 2011, 55, 1091-1108.	2.1	152
54	Cortical thickness and voxel-based morphometry in posterior cortical atrophy and typical Alzheimer's disease. Neurobiology of Aging, 2011, 32, 1466-1476.	1.5	172

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55	The structural involvement of the cingulate cortex in premanifest and early Huntington's disease. Movement Disorders, 2011, 26, 1684-1690.	2.2	56
56	Basic Visual Function and Cortical Thickness Patterns in Posterior Cortical Atrophy. Cerebral Cortex, 2011, 21, 2122-2132.	1.6	69
57	Automated brain extraction using Multi-Atlas Propagation and Segmentation (MAPS). , 2011, , .		3
58	An Event-Based Disease Progression Model and Its Application to Familial Alzheimerâ€™s Disease. Lecture Notes in Computer Science, 2011, 22, 748-759.	1.0	13
59	Volume changes in Alzheimerâ€™s disease and mild cognitive impairment: cognitive associations. European Radiology, 2010, 20, 674-682.	2.3	100
60	Does registration of serial MRI improve diagnosis of dementia?. Neuroradiology, 2010, 52, 987-995.	1.1	2
61	Fast free-form deformation using graphics processing units. Computer Methods and Programs in Biomedicine, 2010, 98, 278-284.	2.6	841
62	Memory complaints and increased rates of brain atrophy: risk factors for mild cognitive impairment and Alzheimer's disease. International Journal of Geriatric Psychiatry, 2010, 25, 1119-1126.	1.3	15
63	Increased brain atrophy rates in cognitively normal older adults with low cerebrospinal fluid Aî²1â€42. Annals of Neurology, 2010, 68, 825-834.	2.8	150
64	Reduced Cortical Thickness in the Posterior Cingulate Gyrus is Characteristic of Both Typical and Atypical Alzheimer's Disease. Journal of Alzheimer's Disease, 2010, 20, 587-598.	1.2	87
65	The progression of regional atrophy in premanifest and early Huntington's disease: a longitudinal voxel-based morphometry study. Journal of Neurology, Neurosurgery and Psychiatry, 2010, 81, 756-763.	0.9	105
66	Onset and Progression of Pathologic Atrophy in Huntington Disease: A Longitudinal MR Imaging Study. American Journal of Neuroradiology, 2010, 31, 1036-1041.	1.2	90
67	Automated cross-sectional and longitudinal hippocampal volume measurement in mild cognitive impairment and Alzheimer's disease. NeuroImage, 2010, 51, 1345-1359.	2.1	224
68	Head size, age and gender adjustment in MRI studies: a necessary nuisance?. NeuroImage, 2010, 53, 1244-1255.	2.1	421
69	Atrophy patterns in Alzheimer's disease and semantic dementia: A comparison of FreeSurfer and manual volumetric measurements. NeuroImage, 2010, 49, 2264-2274.	2.1	97
70	Nonlinear Elastic Spline Registration: Evaluation with Longitudinal Huntingtonâ€™s Disease Data. Lecture Notes in Computer Science, 2010, , 128-139.	1.0	1
71	Increasing Power to Predict Mild Cognitive Impairment Conversion to Alzheimerâ€™s Disease Using Hippocampal Atrophy Rate and Statistical Shape Models. Lecture Notes in Computer Science, 2010, 13, 125-132.	1.0	18
72	Patterns of Cortical Thickness according to APOE Genotype in Alzheimerâ€™s Disease. Dementia and Geriatric Cognitive Disorders, 2009, 28, 461-470.	0.7	38

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73	Clinical application of measurement of hippocampal atrophy in degenerative dementias. Hippocampus, 2009, 19, 510-516.	0.9	30
74	Accelerating regional atrophy rates in the progression from normal aging to Alzheimerâ€™s disease. European Radiology, 2009, 19, 2826-2833.	2.3	88
75	A meta-analysis of hippocampal atrophy rates in Alzheimer's disease. Neurobiology of Aging, 2009, 30, 1711-1723.	1.5	294
76	Comparison of phantom and registration scaling corrections using the ADNI cohort. NeuroImage, 2009, 47, 1506-1513.	2.1	54
77	Automated quantification of caudate atrophy by local registration of serial MRI: Evaluation and application in Huntington's disease. NeuroImage, 2009, 47, 1659-1665.	2.1	46
78	Volumetric MRI and cognitive measures in Alzheimer disease. Journal of Neurology, 2008, 255, 567-574.	1.8	121
79	Increased hippocampal atrophy rates in AD over 6 months using serial MR imaging. Neurobiology of Aging, 2008, 29, 1199-1203.	1.5	23
80	A comparison of methods for the automated calculation of volumes and atrophy rates in the hippocampus. NeuroImage, 2008, 40, 1655-1671.	2.1	104
81	3D characterization of brain atrophy in Alzheimer's disease and mild cognitive impairment using tensor-based morphometry. NeuroImage, 2008, 41, 19-34.	2.1	149
82	Accuracy of dementia diagnosis--a direct comparison between radiologists and a computerized method. Brain, 2008, 131, 2969-2974.	3.7	222
83	Mapping the progression of progranulin-associated frontotemporal lobar degeneration. Nature Clinical Practice Neurology, 2008, 4, 455-460.	2.7	45
84	Application of Automated Medial Temporal Lobe Atrophy Scale to Alzheimer Disease. Archives of Neurology, 2007, 64, 849.	4.9	60
85	Structural magnetic resonance imaging-derived biomarkers for Alzheimerâ€™s disease. Biomarkers in Medicine, 2007, 1, 79-92.	0.6	4
86	Automated Measurement of Hippocampal Atrophy Using Fluid-Registered Serial MRI in AD and Controls. Journal of Computer Assisted Tomography, 2007, 31, 581-587.	0.5	18
87	Atrophy rates of the cingulate gyrus and hippocampus in AD and FTLD. Neurobiology of Aging, 2007, 28, 20-28.	1.5	72
88	Automatic calculation of hippocampal atrophy rates using a hippocampal template and the boundary shift integral. Neurobiology of Aging, 2007, 28, 1657-1663.	1.5	40
89	Improved reliability of hippocampal atrophy rate measurement in mild cognitive impairment using fluid registration. NeuroImage, 2007, 34, 1036-1041.	2.1	39
90	Tracking atrophy progression in familial Alzheimer's disease: a serial MRI study. Lancet Neurology, The, 2006, 5, 828-834.	4.9	292

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91	Measurements of the Amygdala and Hippocampus in Pathologically Confirmed Alzheimer Disease and Frontotemporal Lobar Degeneration. Archives of Neurology, 2006, 63, 1434.	4.9	139
92	Does Alzheimerâ€™s Disease Affect Hippocampal Asymmetry? Evidence from a Cross-Sectional and Longitudinal Volumetric MRI Study. Dementia and Geriatric Cognitive Disorders, 2005, 19, 338-344.	0.7	83
93	Differential Regional Atrophy of the Cingulate Gyrus in Alzheimer Disease: A Volumetric MRI Study. Cerebral Cortex, 2005, 16, 1701-1708.	1.6	131
94	Knightâ€™s move thinking? Mild cognitive impairment in a chess player. Neurocase, 2005, 11, 26-31.	0.2	10
95	Differentiating AD from aging using semiautomated measurement of hippocampal atrophy rates. NeuroImage, 2004, 23, 574-581.	2.1	101