Charles DeCarli

List of Publications by Citations

180 papers	9,866 citations	50 h-index	96 g-index
207 ext. papers	12,847 ext. citations	6.8 avg, IF	6.05 L-index

#	Paper	IF	Citations
180	Genetic meta-analysis of diagnosed Alzheimer's disease identifies new risk loci and implicates A tau, immunity and lipid processing. *Nature Genetics*, **2019**, 51, 414-430	36.3	917
179	The Uniform Data Set (UDS): clinical and cognitive variables and descriptive data from Alzheimer Disease Centers. *Alzheimer Disease and Associated Disorders*, **2006**, 20, 210-6	2.5	568
178	Rare coding variants in PLCG2, ABI3, and TREM2 implicate microglial-mediated innate immunity in Alzheimer's disease. *Nature Genetics*, **2017**, 49, 1373-1384	36.3	508
177	Measures of brain morphology and infarction in the framingham heart study: establishing what is normal. *Neurobiology of Aging*, **2005**, 26, 491-510	5.6	495
176	Mild cognitive impairment: prevalence, prognosis, aetiology, and treatment. *Lancet Neurology, The*, **2003**, 2, 15-21	24.1	394
175	Anatomical mapping of white matter hyperintensities (WMH): exploring the relationships between periventricular WMH, deep WMH, and total WMH burden. *Stroke*, **2005**, 36, 50-5	6.7	390
174	Association of white matter hyperintensity volume with decreased cognitive functioning: the Framingham Heart Study. *Archives of Neurology*, **2006**, 63, 246-50		273
173	Gram-negative bacterial molecules associate with Alzheimer disease pathology. *Neurology*, **2016**, 87, 2324-2332	6.5	253
172	Impact of multiple pathologies on the threshold for clinically overt dementia. *Acta Neuropathologica*, **2017**, 134, 171-186	14.3	248
171	Existing Pittsburgh Compound-B positron emission tomography thresholds are too high: statistical and pathological evaluation. *Brain*, **2015**, 138, 2020-33	11.2	227
170	Method for quantification of brain, ventricular, and subarachnoid CSF volumes from MR images. *Journal of Computer Assisted Tomography*, **1992**, 16, 274-84	2.2	192
169	White Matter Changes Compromise Prefrontal Cortex Function in Healthy Elderly Individuals. *Journal of Cognitive Neuroscience*, **2006**, 18, 418-429	3.1	170
168	Qualitative estimates of medial temporal atrophy as a predictor of progression from mild cognitive impairment to dementia. *Archives of Neurology*, **2007**, 64, 108-15		151
167	Novel genetic loci underlying human intracranial volume identified through genome-wide association. *Nature Neuroscience*, **2016**, 19, 1569-1582	25.5	147
166	Structural imaging measures of brain aging. *Neuropsychology Review*, **2014**, 24, 271-89	7.7	144
165	The EADC-ADNI Harmonized Protocol for manual hippocampal segmentation on magnetic resonance: evidence of validity. *Alzheimer's and Dementia*, **2015**, 11, 111-25	1.2	137
164	Progress toward standardized diagnosis of vascular cognitive impairment: Guidelines from the Vascular Impairment of Cognition Classification Consensus Study. *Alzheimer's and Dementia*, **2018**, 14, 280-292	1.2	136

163	Effects of multiple genetic loci on age at onset in late-onset Alzheimer disease: a genome-wide association study. *JAMA Neurology*, **2014**, 71, 1394-404	17.2	129
162	Vitamin D Status and Rates of Cognitive Decline in a Multiethnic Cohort of Older Adults. *JAMA Neurology*, **2015**, 72, 1295-303	17.2	117
161	The Vascular Impairment of Cognition Classification Consensus Study. *Alzheimer's and Dementia*, **2017**, 13, 624-633	1.2	106
160	Magnetic resonance imaging in Alzheimer's Disease Neuroimaging Initiative 2. *Alzheimer's and Dementia*, **2015**, 11, 740-56	1.2	101
159	White matter hyperintensities and their penumbra lie along a continuum of injury in the aging brain. *Stroke*, **2014**, 45, 1721-6	6.7	100
158	Delphi definition of the EADC-ADNI Harmonized Protocol for hippocampal segmentation on magnetic resonance. *Alzheimer's and Dementia*, **2015**, 11, 126-38	1.2	96
157	White matter changes compromise prefrontal cortex function in healthy elderly individuals. *Journal of Cognitive Neuroscience*, **2006**, 18, 418-29	3.1	96
156	Common variants at 12q15 and 12q24 are associated with infant head circumference. *Nature Genetics*, **2012**, 44, 532-538	36.3	94
155	Blood pressure from mid- to late life and risk of incident dementia. *Neurology*, **2017**, 89, 2447-2454	6.5	91
154	Diagnostic value of lobar microbleeds in individuals without intracerebral hemorrhage. *Alzheimer's and Dementia*, **2015**, 11, 1480-1488	1.2	89
153	Multisite study of the relationships between antemortem [C]PIB-PET Centiloid values and postmortem measures of Alzheimer's disease neuropathology. *Alzheimer's and Dementia*, **2019**, 15, 205-216	1.2	82
152	Genetic architecture of subcortical brain structures in 38,851 individuals. *Nature Genetics*, **2019**, 51, 1624-1636	36.3	81
151	Loss of fornix white matter volume as a predictor of cognitive impairment in cognitively normal elderly individuals. *JAMA Neurology*, **2013**, 70, 1389-95	17.2	79
150	Glucose indices are associated with cognitive and structural brain measures in young adults. *Neurology*, **2015**, 84, 2329-37	6.5	78
149	Biological heterogeneity in ADNI amnestic mild cognitive impairment. *Alzheimer's and Dementia*, **2014**, 10, 511-521.e1	1.2	74
148	MRI predictors of cognitive change in a diverse and carefully characterized elderly population. *Neurobiology of Aging*, **2012**, 33, 83-95	5.6	73
147	Association of Serum Vitamin D with the Risk of Incident Dementia and Subclinical Indices of Brain Aging: The Framingham Heart Study. *Journal of Alzheimer's Disease*, **2016**, 51, 451-61	4.3	72
146	Prolonged sleep duration as a marker of early neurodegeneration predicting incident dementia. *Neurology*, **2017**, 88, 1172-1179	6.5	71

145	Effects of Arterial Stiffness on Brain Integrity in Young Adults From the Framingham Heart Study. *Stroke*, **2016**, 47, 1030-6	6.7	70
144	Vascular risk and A interact to reduce cortical thickness in AD vulnerable brain regions. *Neurology*, **2014**, 83, 40-7	6.5	67
143	Vascular factors in dementia: an overview. *Journal of the Neurological Sciences*, **2004**, 226, 19-23	3.2	67
142	Female sex, early-onset hypertension, and risk of dementia. *Neurology*, **2017**, 89, 1886-1893	6.5	63
141	Association of Alzheimer's disease GWAS loci with MRI markers of brain aging. *Neurobiology of Aging*, **2015**, 36, 1765.e7-1765.e16	5.6	63
140	Aortic Stiffness, Increased White Matter Free Water, and Altered Microstructural Integrity: A Continuum of Injury. *Stroke*, **2017**, 48, 1567-1573	6.7	62
139	Assessment of Extent and Role of Tau in Subcortical Vascular Cognitive Impairment Using 18F-AV1451 Positron Emission Tomography Imaging. *JAMA Neurology*, **2018**, 75, 999-1007	17.2	60
138	Education amplifies brain atrophy effect on cognitive decline: implications for cognitive reserve. *Neurobiology of Aging*, **2018**, 68, 142-150	5.6	59
137	Association of Serum Docosahexaenoic Acid With Cerebral Amyloidosis. *JAMA Neurology*, **2016**, 73, 1208-1216	17.2	57
136	Physical Activity, Brain Volume, and Dementia Risk: The Framingham Study. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2017**, 72, 789-795	6.4	56
135	Plasma biomarkers of astrocytic and neuronal dysfunction in early- and late-onset Alzheimer's disease. *Alzheimer's and Dementia*, **2020**, 16, 681-695	1.2	56
134	Brain behavior relationships among African Americans, whites, and Hispanics. *Alzheimer Disease and Associated Disorders*, **2008**, 22, 382-91	2.5	54
133	Association of Nonalcoholic Fatty Liver Disease With Lower Brain Volume in Healthy Middle-aged Adults in the Framingham Study. *JAMA Neurology*, **2018**, 75, 97-104	17.2	54
132	Association of Accelerometer-Measured Light-Intensity Physical Activity With Brain Volume: The Framingham Heart Study. *JAMA Network Open*, **2019**, 2, e192745	10.4	52
131	Current concepts of analysis of cerebral white matter hyperintensities on magnetic resonance imaging. *Topics in Magnetic Resonance Imaging*, **2005**, 16, 399-407	2.3	50
130	Influence of functional connectivity and structural MRI measures on episodic memory. *Neurobiology of Aging*, **2012**, 33, 2612-20	5.6	47
129	Myelin basic protein associates with APP, A1-42, and amyloid plaques in cortex of Alzheimer's disease brain. *Journal of Alzheimer's Disease*, **2015**, 44, 1213-29	4.3	46
128	Effects of traumatic brain injury and posttraumatic stress disorder on development of Alzheimer's disease in Vietnam Veterans using the Alzheimer's Disease Neuroimaging Initiative: Preliminary Report. *Alzheimer's and Dementia: Translational Research and Clinical Interventions*, **2017**, 3, 177-188	6	45

127	Progression from normal cognition to mild cognitive impairment in a diverse clinic-based and community-based elderly cohort. *Alzheimer's and Dementia*, **2017**, 13, 399-405	1.2	45
126	Validation of a Regression Technique for Segmentation of White Matter Hyperintensities in Alzheimer's Disease. *IEEE Transactions on Medical Imaging*, **2017**, 36, 1758-1768	11.7	43
125	Migraine, white matter hyperintensities, and subclinical brain infarction in a diverse community: the northern Manhattan study. *Stroke*, **2014**, 45, 1830-2	6.7	43
124	Late life cognitive control deficits are accentuated by white matter disease burden. *Brain*, **2011**, 134, 1673-83	11.2	43
123	Chronic Depressive Symptomatology in Mild Cognitive Impairment Is Associated with Frontal Atrophy Rate which Hastens Conversion to Alzheimer Dementia. *American Journal of Geriatric Psychiatry*, **2016**, 24, 126-35	6.5	42
122	Longitudinal trajectories of everyday function by diagnostic status. *Psychology and Aging*, **2013**, 28, 1070-5	3.6	41
121	The role of cerebrovascular disease in dementia. *Neurologist*, **2003**, 9, 123-36	1.6	41
120	Performance comparison of 10 different classification techniques in segmenting white matter hyperintensities in aging. *NeuroImage*, **2017**, 157, 233-249	7.9	40
119	Cerebral Amyloid and Hypertension are Independently Associated with White Matter Lesions in Elderly. *Frontiers in Aging Neuroscience*, **2015**, 7, 221	5.3	39
118	Associations of Circulating Growth Differentiation Factor-15 and ST2 Concentrations With Subclinical Vascular Brain Injury and Incident Stroke. *Stroke*, **2015**, 46, 2568-75	6.7	38
117	Regional correlations between [C]PIB PET and post-mortem burden of amyloid-beta pathology in a diverse neuropathological cohort. *NeuroImage: Clinical*, **2017**, 13, 130-137	5.3	37
116	Carotid Atherosclerosis and Cerebral Microbleeds: The Framingham Heart Study. *Journal of the American Heart Association*, **2016**, 5, e002377	6	36
115	Cerebral microbleeds and risk of incident dementia: the Framingham Heart Study. *Neurobiology of Aging*, **2017**, 54, 94-99	5.6	35
114	Harmonizing brain magnetic resonance imaging methods for vascular contributions to neurodegeneration. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2019**, 11, 191-204	5.2	33
113	A multiancestral genome-wide exome array study of Alzheimer disease, frontotemporal dementia, and progressive supranuclear palsy. *JAMA Neurology*, **2015**, 72, 414-22	17.2	33
112	Relation of Dysglycemia to Structural Brain Changes in a Multiethnic Elderly Cohort. *Journal of the American Geriatrics Society*, **2017**, 65, 277-285	5.6	32
111	Validation of T1w-based segmentations of white matter hyperintensity volumes in large-scale datasets of aging. *Human Brain Mapping*, **2018**, 39, 1093-1107	5.9	32
110	Alcohol intake and brain structure in a multiethnic elderly cohort. *Clinical Nutrition*, **2014**, 33, 662-7	5.9	31

109	Session II: Mechanisms of age-related cognitive change and targets for intervention: neural circuits, networks, and plasticity. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2012**, 67, 747-53	6.4	31
108	Association of Physical Function with Clinical and Subclinical Brain Disease: The Framingham Offspring Study. *Journal of Alzheimer's Disease*, **2016**, 53, 1597-608	4.3	31
107	A priori collaboration in population imaging: The Uniform Neuro-Imaging of Virchow-Robin Spaces Enlargement consortium. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2015**, 1, 513-20	5.2	30
106	A Clinicopathological Investigation of White Matter Hyperintensities and Alzheimer's Disease Neuropathology. *Journal of Alzheimer's Disease*, **2018**, 63, 1347-1360	4.3	30
105	Baseline White Matter Hyperintensities and Hippocampal Volume are Associated With Conversion From Normal Cognition to Mild Cognitive Impairment in the Framingham Offspring Study. *Alzheimer Disease and Associated Disorders*, **2018**, 32, 50-56	2.5	29
104	Neuropathological Diagnoses of Demented Hispanic, Black, and Non-Hispanic White Decedents Seen at an Alzheimer's Disease Center. *Journal of Alzheimer's Disease*, **2019**, 68, 145-158	4.3	29
103	Age-related white matter integrity differences in oldest-old without dementia. *Neurobiology of Aging*, **2017**, 56, 108-114	5.6	28
102	Prevalence and correlates of mild cognitive impairment among diverse Hispanics/Latinos: Study of Latinos-Investigation of Neurocognitive Aging results. *Alzheimer's and Dementia*, **2019**, 15, 1507-1515	1.2	28
101	Infectious Burden and Cognitive Decline in the Northern Manhattan Study. *Journal of the American Geriatrics Society*, **2015**, 63, 1540-5	5.6	27
100	Early Brain Loss in Circuits Affected by Alzheimer's Disease is Predicted by Fornix Microstructure but may be Independent of Gray Matter. *Frontiers in Aging Neuroscience*, **2014**, 6, 106	5.3	27
99	Remote Blood Biomarkers of Longitudinal Cognitive Outcomes in a Population Study. *Annals of Neurology*, **2020**, 88, 1065-1076	9.4	26
98	Cerebral amyloid is associated with greater white-matter hyperintensity accrual in cognitively normal older adults. *Neurobiology of Aging*, **2016**, 48, 48-52	5.6	26
97	Sugary beverage intake and preclinical Alzheimer's disease in the community. *Alzheimer's and Dementia*, **2017**, 13, 955-964	1.2	25
96	Cerebral white matter free water: A sensitive biomarker of cognition and function. *Neurology*, **2019** , 92, e2221-e2231	6.5	25
95	Clinically asymptomatic vascular brain injury: a potent cause of cognitive impairment among older individuals. *Journal of Alzheimer's Disease*, **2013**, 33 Suppl 1, S417-26	4.3	25
94	Ethnoracial differences in brain structure change and cognitive change. *Neuropsychology*, **2018**, 32, 529-540	3.0	25
93	White matter hyperintensities and CSF Alzheimer disease biomarkers in preclinical Alzheimer disease. *Neurology*, **2020**, 94, e950-e960	6.5	23
92	Cerebral tract integrity relates to white matter hyperintensities, cortex volume, and cognition. *Neurobiology of Aging*, **2018**, 72, 14-22	5.6	23

91	Cerebral small vessel disease genomics and its implications across the lifespan. *Nature Communications*, **2020**, 11, 6285	17.4	22
90	Amyloid, hippocampal atrophy and their relation to longitudinal brain change in cognitively normal individuals. *Neurobiology of Aging*, **2016**, 40, 173-180	5.6	22
89	Fibroblast Growth Factor 23 Is Associated With Subclinical Cerebrovascular Damage: The Northern Manhattan Study. *Stroke*, **2016**, 47, 923-8	6.7	22
88	Cooccurrence of vascular risk factors and late-life white-matter integrity changes. *Neurobiology of Aging*, **2015**, 36, 1670-1677	5.6	20
87	Subclinical Cerebrovascular Disease Increases the Risk of Incident Stroke and Mortality: The Northern Manhattan Study. *Journal of the American Heart Association*, **2017**, 6,	6	20
86	White matter hyperintensities among older adults are associated with futile increase in frontal activation and functional connectivity during spatial search. *PLoS ONE*, **2015**, 10, e0122445	3.7	20
85	Whole genome sequence analyses of brain imaging measures in the Framingham Study. *Neurology*, **2018**, 90, e188-e196	6.5	19
84	Extravascular fibrinogen in the white matter of Alzheimer's disease and normal aged brains: implications for fibrinogen as a biomarker for Alzheimer's disease. *Brain Pathology*, **2019**, 29, 414-424	6	19
83	White Matter Lesion Progression: Genome-Wide Search for Genetic Influences. *Stroke*, **2015**, 46, 3048-57	6.7	18
82	Association between atrial fibrillation and volumetric magnetic resonance imaging brain measures: Framingham Offspring Study. *Heart Rhythm*, **2016**, 13, 2020-4	6.7	18
81	White Matter Hyperintensities and Hippocampal Atrophy in Relation to Cognition: The 90+ Study. *Journal of the American Geriatrics Society*, **2019**, 67, 1827-1834	5.6	17
80	Cerebral Microbleeds as Predictors of Mortality: The Framingham Heart Study. *Stroke*, **2017**, 48, 781-783	6.7	16
79	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. *Nature Communications*, **2020**, 11, 4796	17.4	16
78	Genome-wide association study of 23,500 individuals identifies 7 loci associated with brain ventricular volume. *Nature Communications*, **2018**, 9, 3945	17.4	16
77	Lacunar Infarcts and Intracerebral Hemorrhage Differences: A Nested Case-Control Analysis in the FHS (Framingham Heart Study). *Stroke*, **2017**, 48, 486-489	6.7	15
76	ERP abnormalities elicited by word repetition in fragile X-associated tremor/ataxia syndrome (FXTAS) and amnestic MCI. *Neuropsychologia*, **2014**, 63, 34-42	3.2	15
75	MarkVCID cerebral small vessel consortium: II. Neuroimaging protocols. *Alzheimer's and Dementia*, **2021**, 17, 716-725	1.2	15
74	Left ventricular mass-geometry and silent cerebrovascular disease: The Cardiovascular Abnormalities and Brain Lesions (CABL) study. *American Heart Journal*, **2017**, 185, 85-92	4.9	14

73	A genome-wide association study identifies genetic loci associated with specific lobar brain volumes. *Communications Biology*, **2019**, 2, 285	6.7	14
72	Association of vascular brain injury, neurodegeneration, amyloid, and cognitive trajectory. *Neurology*, **2020**, 95, e2622-e2634	6.5	14
71	Night-time systolic blood pressure and subclinical cerebrovascular disease: the Cardiovascular Abnormalities and Brain Lesions (CABL) study. *European Heart Journal Cardiovascular Imaging*, **2019**, 20, 765-771	4.1	13
70	Cardiovascular disease risk factor burden and cognition: Implications of ethnic diversity within the Hispanic Community Health Study/Study of Latinos. *PLoS ONE*, **2019**, 14, e0215378	3.7	13
69	Staging of amyloid β, t-tau, regional atrophy rates, and cognitive change in a nondemented cohort: Results of serial mediation analyses. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2018**, 10, 382-393	5.2	13
68	Association of Social Support With Brain Volume and Cognition. *JAMA Network Open*, **2021**, 4, e2121122	10.4	12
67	Cognitive reserve and rate of change in Alzheimer's and cerebrovascular disease biomarkers among cognitively normal individuals. *Neurobiology of Aging*, **2020**, 88, 33-41	5.6	11
66	Circulating ceramide ratios and risk of vascular brain aging and dementia. *Annals of Clinical and Translational Neurology*, **2020**, 7, 160-168	5.3	10
65	Inter-Relations of Orthostatic Blood Pressure Change, Aortic Stiffness, and Brain Structure and Function in Young Adults. *Journal of the American Heart Association*, **2017**, 6,	6	10
64	Interarm differences in systolic blood pressure and the risk of dementia and subclinical brain injury. *Alzheimer's and Dementia*, **2016**, 12, 438-45	1.2	10
63	Diabetes, Cognitive Decline, and Mild Cognitive Impairment Among Diverse Hispanics/Latinos: Study of Latinos-Investigation of Neurocognitive Aging Results (HCHS/SOL). *Diabetes Care*, **2020**, 43, 1111-1117	14.6	10
62	White matter hyperintensities are associated with visual search behavior independent of generalized slowing in aging. *Neuropsychologia*, **2014**, 52, 93-101	3.2	9
61	"Liquid Biopsy" of White Matter Hyperintensity in Functionally Normal Elders. *Frontiers in Aging Neuroscience*, **2018**, 10, 343	5.3	9
60	Differential Item Functioning of the Everyday Cognition (ECog) Scales in Relation to Racial/Ethnic Groups. *Journal of the International Neuropsychological Society*, **2020**, 26, 515-526	3.1	8
59	Atherosclerotic Plaques in the Aortic Arch and Subclinical Cerebrovascular Disease. *Stroke*, **2016**, 47, 2813-2819	6.7	8
58	Plasma total-tau as a biomarker of stroke risk in the community. *Annals of Neurology*, **2019**, 86, 463-467	9.4	8
57	Association of descending thoracic aortic plaque with brain atrophy and white matter hyperintensities: The Framingham Heart Study. *Atherosclerosis*, **2017**, 265, 305-311	3.1	8
56	Mid to Late Life Hypertension Trends and Cerebral Small Vessel Disease in the Framingham Heart Study. *Hypertension*, **2020**, 76, 707-714	8.5	8

55	Application of an amyloid and tau classification system in subcortical vascular cognitive impairment patients. *European Journal of Nuclear Medicine and Molecular Imaging*, **2020**, 47, 292-303	8.8	8
54	Diagnostic Accuracy of Amyloid versus F-Fluorodeoxyglucose Positron Emission Tomography in Autopsy-Confirmed Dementia. *Annals of Neurology*, **2021**, 89, 389-401	9.4	7
53	Procalcitonin and Midregional Proatrial Natriuretic Peptide as Biomarkers of Subclinical Cerebrovascular Damage: The Northern Manhattan Study. *Stroke*, **2017**, 48, 604-610	6.7	6
52	Flavonoid Intake and MRI Markers of Brain Health in the Framingham Offspring Cohort. *Journal of Nutrition*, **2020**, 150, 1545-1553	4.1	6
51	Low-frequency oscillations in default mode subnetworks are associated with episodic memory impairments in Alzheimer's disease. *Neurobiology of Aging*, **2017**, 59, 98-106	5.6	6
50	Cognitive reserve and midlife vascular risk: Cognitive and clinical outcomes. *Annals of Clinical and Translational Neurology*, **2020**, 7, 1307-1317	5.3	6
49	Race/Ethnic Disparities in Mild Cognitive Impairment and Dementia: The Northern Manhattan Study. *Journal of Alzheimer's Disease*, **2021**, 80, 1129-1138	4.3	6
48	Relation of plasma β-amyloid, clusterin, and tau with cerebral microbleeds: Framingham Heart Study. *Annals of Clinical and Translational Neurology*, **2020**, 7, 1083-1091	5.3	5
47	Blood pressure control and cognitive performance: something to think about with aging. *JAMA - Journal of the American Medical Association*, **2015**, 313, 1963-4	27.4	5
46	Frontal white matter lesions in Alzheimer's disease are associated with both small vessel disease and AD-associated cortical pathology. *Acta Neuropathologica*, **2021**, 142, 937-950	14.3	5
45	Plasma amyloid β levels are driven by genetic variants near APOE, BACE1, APP, PSEN2: A genome-wide association study in over 12,000 non-demented participants. *Alzheimer's and Dementia*, **2021**, 17, 1663-1674	1.2	5
44	Verbal memory and brain aging: an exploratory analysis of the role of error responses in the Framingham Study. *American Journal of Alzheimer's Disease and Other Dementias*, **2015**, 30, 622-8	2.5	4
43	Association Between Central Blood Pressure and Subclinical Cerebrovascular Disease in Older Adults. *Hypertension*, **2020**, 75, 580-587	8.5	4
42	Using the Alzheimer's Disease Neuroimaging Initiative to improve early detection, diagnosis, and treatment of Alzheimer's disease. *Alzheimer's and Dementia*, **2021**,	1.2	4
41	Cortical tau pathology: a major player in fibre-specific white matter reductions in Alzheimer's disease?. *Brain*, **2018**, 141, e44	11.2	3
40	Structural Brain MRI Trait Polygenic Score Prediction of Cognitive Abilities. *Twin Research and Human Genetics*, **2015**, 18, 738-45	2.2	3
39	Association Between Leptin, Cognition, and Structural Brain Measures Among "Early" Middle-Aged Adults: Results from the Framingham Heart Study Third Generation Cohort. *Journal of Alzheimer's Disease*, **2020**, 77, 1279-1289	4.3	3
38	Measuring cognitive health in ethnically diverse older adults. *Journals of Gerontology - Series B Psychological Sciences and Social Sciences*, **2021**,	4.6	3

37	Neck Circumference, Brain Imaging Measures, and Neuropsychological Testing Measures. *Journal of Stroke and Cerebrovascular Diseases*, **2016**, 25, 1570-1581	2.8	3
36	Electrocardiographic left atrial abnormality and silent vascular brain injury: The Northern Manhattan Study. *PLoS ONE*, **2018**, 13, e0203774	3.7	3
35	Elevated complement mediator levels in endothelial-derived plasma exosomes implicate endothelial innate inflammation in diminished brain function of aging humans. *Scientific Reports*, **2021**, 11, 16198	4.9	3
34	Medicare Expenditure Correlates of Atrophy and Cerebrovascular Disease in Older Adults. *Experimental Aging Research*, **2017**, 43, 149-160	1.7	2
33	A call for new thoughts about what might influence human brain aging: aging, apolipoprotein E, and amyloid. *JAMA Neurology*, **2015**, 72, 500-2	17.2	2
32	Imaging Markers of Vascular Brain Health: Quantification, Clinical Implications, and Future Directions.. *Stroke*, **2022**, STROKEAHA120032611	6.7	2
31	The link between blood pressure and Alzheimer's disease. *Lancet Neurology, The*, **2021**, 20, 878-879	24.1	2
30	The Impact of Amyloid-β or Tau on Cognitive Change in the Presence of Severe Cerebrovascular Disease. *Journal of Alzheimer's Disease*, **2020**, 78, 573-585	4.3	2
29	Full exploitation of high dimensionality in brain imaging: The JPND working group statement and findings. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2019**, 11, 286-290	5.2	1
28	25-Hydroxyvitamin D in Patients With Cognitive Decline-Reply. *JAMA Neurology*, **2016**, 73, 358	17.2	1
27	Genome-wide association study of cognitive function in diverse Hispanics/Latinos: results from the Hispanic Community Health Study/Study of Latinos. *Translational Psychiatry*, **2020**, 10, 245	8.6	1
26	Convolutional Neural Net Learning Can Achieve Production-Level Brain Segmentation in Structural Magnetic Resonance Imaging. *Frontiers in Neuroscience*, **2021**, 15, 683426	5.1	1
25	IC-P-087: ASSOCIATION BETWEEN COGNITION AND CEREBRAL WHITE MATTER FREE WATER IN ADULTS FROM THE FRAMINGHAM HEART STUDY: A DIFFUSION TENSOR IMAGING VOXEL-BASED STUDY **2019**, 15, P77-P78		1
24	Amyloid-PET imaging offers small improvements in predictions of future cognitive trajectories. *NeuroImage: Clinical*, **2021**, 31, 102713	5.3	1
23	Kidney Function Is Not Related to Brain Amyloid Burden on PET Imaging in The 90+ Study Cohort. *Frontiers in Medicine*, **2021**, 8, 671945	4.9	1
22	Instrumental validation of free water, peak-width of skeletonized mean diffusivity, and white matter hyperintensities: MarkVCID neuroimaging kits.. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2022**, 14, e12261	5.2	1
21	APOE alleles' association with neurocognitive function differ across Hispanic background groups. *Alzheimer's and Dementia*, **2020**, 16, e044169	1.2	0
20	Structural brain network efficiency and cognitive processing speed in healthy aging. *Alzheimer's and Dementia*, **2020**, 16, e044563	1.2	0

19	Cognitive impairment in racially/ethnically diverse older adults: Accounting for sources of diagnostic bias.. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2021**, 13, e12265	5.2	0
18	Bone Mineral Density Measurements and Association With Brain Structure and Cognitive Function: The Framingham Offspring Cohort. *Alzheimer Disease and Associated Disorders*, **2021**, 35, 291-297	2.5	0
17	Coronary Artery Calcium Assessed Years Before Was Positively Associated With Subtle White Matter Injury of the Brain in Asymptomatic Middle-Aged Men: The Framingham Heart Study. *Circulation: Cardiovascular Imaging*, **2021**, 14, e011753	3.9	0
16	Blood metabolites predicting mild cognitive impairment in the study of Latinos-investigation of neurocognitive aging (HCHS/SOL).. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2022**, 14, e12259	5.2	0
15	Examination of Neurofilament Light Chain Serum Concentrations, Physical Activity, and Cognitive Decline in Older Adults.. *JAMA Network Open*, **2022**, 5, e223596	10.4	0
14	Association of Subjective Memory Complaints With White Matter Hyperintensities and Cognitive Decline Among Older Adults in Chicago, Illinois.. *JAMA Network Open*, **2022**, 5, e227512	10.4	0
13	BrainSec: Automated Brain Tissue Segmentation Pipeline for Scalable Neuropathological Analysis. *IEEE Access*, **2022**, 1-1	3.5	0
12	Towards a generalized deep learning framework for production scale segmentation of brain structures. *Alzheimer's and Dementia*, **2020**, 16, e038010	1.2	
11	Whole genome sequence association analyses of brain volumes in the TOPMed program. *Alzheimer's and Dementia*, **2020**, 16, e040627	1.2	
10	Association of plasma EFEMP1 with brain aging and dementia. *Alzheimer's and Dementia*, **2020**, 16, e041009	1.2	
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