

# Donald J Hagler Jr

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

10,203  
citations

87888

38  
h-index

43889

91  
g-index

97  
all docs

97  
docs citations

97  
times ranked

13603  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructural development from 9 to 14 years: Evidence from the ABCD Study. <i>Developmental Cognitive Neuroscience</i> , 2022, 53, 101044.	4.0	28
2	Discovery of genomic loci of the human cerebral cortex using genetically informed brain atlases. <i>Science</i> , 2022, 375, 522-528.	12.6	31
3	Do aggregate, multimodal structural neuroimaging measures replicate regional developmental differences observed in highly cited cellular histological studies?. <i>Developmental Cognitive Neuroscience</i> , 2022, 54, 101086.	4.0	0
4	Associations between MRI-assessed locus coeruleus integrity and cortical gray matter microstructure. <i>Cerebral Cortex</i> , 2022, 32, 4191-4203.	2.9	9
5	The Impact of Genes and Environment on Brain Ageing in Males Aged 51 to 72 Years. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 831002.	3.4	3
6	Multivariate genome-wide association study on tissue-sensitive diffusion metrics highlights pathways that shape the human brain. <i>Nature Communications</i> , 2022, 13, 2423.	12.8	12
7	Genetic and environmental influences on structural- and diffusion-based Alzheimer's disease neuroimaging signatures across midlife and early old age. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, , .	1.5	0
8	Biophysically detailed forward modeling of the neural origin of EEG and MEG signals. <i>NeuroImage</i> , 2021, 225, 117467.	4.2	37
9	Brain microstructure mediates sex-specific patterns of cognitive aging. <i>Aging</i> , 2021, 13, 3218-3238.	3.1	6
10	MRI-assessed locus coeruleus integrity is heritable and associated with multiple cognitive domains, mild cognitive impairment, and daytime dysfunction. <i>Alzheimer's and Dementia</i> , 2021, 17, 1017-1025.	0.8	41
11	Age and Sex Differences in the Associations of Pulse Pressure With White Matter and Subcortical Microstructure. <i>Hypertension</i> , 2021, 77, 938-947.	2.7	16
12	Periventricular and deep abnormal white matter differ in associations with cognitive performance at midlife.. <i>Neuropsychology</i> , 2021, 35, 252-264.	1.3	3
13	12-year prediction of mild cognitive impairment aided by Alzheimer's brain signatures at mean age 56. <i>Brain Communications</i> , 2021, 3, fcab167.	3.3	7
14	Brain structure associations with phonemic and semantic fluency in typically-developing children. <i>Developmental Cognitive Neuroscience</i> , 2021, 50, 100982.	4.0	11
15	Atypical genomic cortical patterning in autism with poor early language outcome. <i>Science Advances</i> , 2021, 7, eabh1663.	10.3	21
16	Vertex-wise multivariate genome-wide association study identifies 780 unique genetic loci associated with cortical morphology. <i>NeuroImage</i> , 2021, 244, 118603.	4.2	48
17	Lifestyle and the aging brain: interactive effects of modifiable lifestyle behaviors and cognitive ability in men from midlife to old age. <i>Neurobiology of Aging</i> , 2021, 108, 80-89.	3.1	11
18	Paradoxical cognitive trajectories in men from earlier to later adulthood. <i>Neurobiology of Aging</i> , 2021, 109, 229-238.	3.1	2

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19	Associations Between Microstructure, Amyloid, and Cognition in Amnesic Mild Cognitive Impairment and Dementia. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 347-357.	2.6	15
20	Correction of respiratory artifacts in MRI head motion estimates. <i>NeuroImage</i> , 2020, 208, 116400.	4.2	161
21	Nucleus accumbens cytoarchitecture predicts weight gain in children. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26977-26984.	7.1	47
22	Associations between age and brain microstructure in older community-dwelling men and women: the Rancho Bernardo Study. <i>Neurobiology of Aging</i> , 2020, 95, 94-103.	3.1	10
23	Behavioral and Neural Signatures of Working Memory in Childhood. <i>Journal of Neuroscience</i> , 2020, 40, 5090-5104.	3.6	50
24	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. <i>NeuroImage</i> , 2019, 202, 116091.	4.2	539
25	Influence of young adult cognitive ability and additional education on later-life cognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2021-2026.	7.1	100
26	Resting State Abnormalities of the Default Mode Network in Mild Cognitive Impairment: A Systematic Review and Meta-Analysis. <i>Journal of Alzheimer's Disease</i> , 2019, 70, 107-120.	2.6	79
27	Differential sensitivity of structural, diffusion, and resting-state functional MRI for detecting brain alterations and verbal memory impairment in temporal lobe epilepsy. <i>Epilepsia</i> , 2019, 60, 935-947.	5.1	20
28	Genetic architecture of hippocampal subfields on standard resolution MRI: How the parts relate to the whole. <i>Human Brain Mapping</i> , 2019, 40, 1528-1540.	3.6	16
29	Predominantly global genetic influences on individual white matter tract microstructure. <i>NeuroImage</i> , 2019, 184, 871-880.	4.2	18
30	Heterogeneous Origins of Human Sleep Spindles in Different Cortical Layers. <i>Journal of Neuroscience</i> , 2018, 38, 3013-3025.	3.6	40
31	Alcohol intake and brain white matter in middle aged men: Microscopic and macroscopic differences. <i>NeuroImage: Clinical</i> , 2018, 18, 390-398.	2.7	30
32	Genetic relatedness of axial and radial diffusivity indices of cerebral white matter microstructure in late middle age. <i>Human Brain Mapping</i> , 2018, 39, 2235-2245.	3.6	12
33	The Adolescent Brain Cognitive Development (ABCD) study: Imaging acquisition across 21 sites. <i>Developmental Cognitive Neuroscience</i> , 2018, 32, 43-54.	4.0	1,282
34	Negative fateful life events in midlife and advanced predicted brain aging. <i>Neurobiology of Aging</i> , 2018, 67, 1-9.	3.1	37
35	Decreased neurite density within frontostriatal networks is associated with executive dysfunction in temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2018, 78, 187-193.	1.7	18
36	Cortical morphology of the pars opercularis and its relationship to motor-inhibitory performance in a longitudinal, developing cohort. <i>Brain Structure and Function</i> , 2018, 223, 211-220.	2.3	24

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37	Microstructural brain changes track cognitive decline in mild cognitive impairment. <i>NeuroImage: Clinical</i> , 2018, 20, 883-891.	2.7	26
38	Brain structure mediates the association between height and cognitive ability. <i>Brain Structure and Function</i> , 2018, 223, 3487-3494.	2.3	18
39	Williams Syndrome neuroanatomical score associates with GTF2IRD1 in large-scale magnetic resonance imaging cohorts: a proof of concept for multivariate endophenotypes. <i>Translational Psychiatry</i> , 2018, 8, 114.	4.8	6
40	Developmental differentiation of executive functions on the NIH Toolbox Cognition Battery.. <i>Neuropsychology</i> , 2018, 32, 777-783.	1.3	34
41	Genetic and environmental influences on mean diffusivity and volume in subcortical brain regions. <i>Human Brain Mapping</i> , 2017, 38, 2589-2598.	3.6	15
42	Williams syndrome-specific neuroanatomical profile and its associations with behavioral features. <i>NeuroImage: Clinical</i> , 2017, 15, 343-347.	2.7	33
43	Heritability of white matter microstructure in late middle age: A twin study of tract-based fractional anisotropy and absolute diffusivity indices. <i>Human Brain Mapping</i> , 2017, 38, 2026-2036.	3.6	44
44	Task-evoked pupil dilation and BOLD variance as indicators of locus coeruleus dysfunction. <i>Cortex</i> , 2017, 97, 60-69.	2.4	45
45	Genetic and environmental influences on cortical mean diffusivity. <i>NeuroImage</i> , 2017, 146, 90-99.	4.2	37
46	Sensitivity of restriction spectrum imaging to memory and neuropathology in Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2017, 9, 55.	6.2	25
47	The roadmap for estimation of cell-type-specific neuronal activity from non-invasive measurements. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150356.	4.0	41
48	Neurodevelopmental origins of lifespan changes in brain and cognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9357-9362.	7.1	163
49	Is bigger always better? The importance of cortical configuration with respect to cognitive ability. <i>NeuroImage</i> , 2016, 129, 356-366.	4.2	36
50	Anxiety is related to indices of cortical maturation in typically developing children and adolescents. <i>Brain Structure and Function</i> , 2016, 221, 3013-3025.	2.3	43
51	Dyslexia and language impairment associated genetic markers influence cortical thickness and white matter in typically developing children. <i>Brain Imaging and Behavior</i> , 2016, 10, 272-282.	2.1	27
52	Diffusion Tensor Imaging Provides Evidence of Possible Axonal Overconnectivity in Frontal Lobes in Autism Spectrum Disorder Toddlers. <i>Biological Psychiatry</i> , 2016, 79, 676-684.	1.3	134
53	The Pediatric Imaging, Neurocognition, and Genetics (PING) Data Repository. <i>NeuroImage</i> , 2016, 124, 1149-1154.	4.2	251
54	Does degree of gyrification underlie the phenotypic and genetic associations between cortical surface area and cognitive ability?. <i>NeuroImage</i> , 2015, 106, 154-160.	4.2	32

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55	The Genetic Association Between Neocortical Volume and General Cognitive Ability Is Driven by Global Surface Area Rather Than Thickness. <i>Cerebral Cortex</i> , 2015, 25, 2127-2137.	2.9	84
56	Modeling the 3D Geometry of the Cortical Surface with Genetic Ancestry. <i>Current Biology</i> , 2015, 25, 1988-1992.	3.9	34
57	Large-scale genomics unveil polygenic architecture of human cortical surface area. <i>Nature Communications</i> , 2015, 6, 7549.	12.8	30
58	Hypertension-Related Alterations in White Matter Microstructure Detectable in Middle Age. <i>Hypertension</i> , 2015, 66, 317-323.	2.7	61
59	Optimization of retinotopy constrained source estimation constrained by prior. <i>Human Brain Mapping</i> , 2014, 35, 1815-1833.	3.6	12
60	Visual field asymmetries in visual evoked responses. <i>Journal of Vision</i> , 2014, 14, 13-13.	0.3	31
61	Spatio-temporal processing of words and nonwords: Hemispheric laterality and acute alcohol intoxication. <i>Brain Research</i> , 2014, 1558, 18-32.	2.2	13
62	White matter microstructure complements morphometry for predicting verbal memory in epilepsy. <i>Cortex</i> , 2014, 58, 139-150.	2.4	47
63	Improved method for retinotopy constrained source estimation of visual evoked responses. <i>Human Brain Mapping</i> , 2013, 34, 665-683.	3.6	15
64	Brain development and aging: Overlapping and unique patterns of change. <i>NeuroImage</i> , 2013, 68, 63-74.	4.2	240
65	Long-term influence of normal variation in neonatal characteristics on human brain development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20089-20094.	7.1	158
66	Higher education is not associated with greater cortical thickness in brain areas related to literacy or intelligence in normal aging or mild cognitive impairment. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2012, 34, 925-935.	1.3	17
67	Multimodal imaging of the self-regulating developing brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19620-19625.	7.1	192
68	Identification of common variants associated with human hippocampal and intracranial volumes. <i>Nature Genetics</i> , 2012, 44, 552-561.	21.4	594
69	Relationship between regional atrophy rates and cognitive decline in mild cognitive impairment. <i>Neurobiology of Aging</i> , 2012, 33, 242-253.	3.1	94
70	Neuroanatomical Assessment of Biological Maturity. <i>Current Biology</i> , 2012, 22, 1693-1698.	3.9	328
71	MRI analysis in temporal lobe epilepsy: Cortical thinning and white matter disruptions are related to side of seizure onset. <i>Epilepsia</i> , 2011, 52, 2257-2266.	5.1	131
72	Mild Cognitive Impairment: Baseline and Longitudinal Structural MR Imaging Measures Improve Predictive Prognosis. <i>Radiology</i> , 2011, 259, 834-843.	7.3	84

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73	Brain substrates of learning and retention in mild cognitive impairment diagnosis and progression to Alzheimer's disease. <i>Neuropsychologia</i> , 2010, 48, 1237-1247.	1.6	75
74	Level of Executive Function Influences Verbal Memory in Amnesic Mild Cognitive Impairment and Predicts Prefrontal and Posterior Cingulate Thickness. <i>Cerebral Cortex</i> , 2010, 20, 1305-1313.	2.9	104
75	Neuroimaging Enrichment Strategy for Secondary Prevention Trials in Alzheimer Disease. <i>Alzheimer Disease and Associated Disorders</i> , 2010, 24, 269-277.	1.3	42
76	CSF Biomarkers in Prediction of Cerebral and Clinical Change in Mild Cognitive Impairment and Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2010, 30, 2088-2101.	3.6	188
77	Relative Capability of MR Imaging and FDG PET to Depict Changes Associated with Prodromal and Early Alzheimer Disease. <i>Radiology</i> , 2010, 256, 932-942.	7.3	107
78	Cortical Thickness Is Influenced by Regionally Specific Genetic Factors. <i>Biological Psychiatry</i> , 2010, 67, 493-499.	1.3	124
79	Cortical Thickness and Subcortical Volumes in Schizophrenia and Bipolar Disorder. <i>Biological Psychiatry</i> , 2010, 68, 41-50.	1.3	406
80	Multimodal imaging of repetition priming: Using fMRI, MEG, and intracranial EEG to reveal spatiotemporal profiles of word processing. <i>NeuroImage</i> , 2010, 53, 707-717.	4.2	77
81	Brain Atrophy in Healthy Aging Is Related to CSF Levels of A $\beta$ 1-42. <i>Cerebral Cortex</i> , 2010, 20, 2069-2079.	2.9	102
82	Structural Neuroimaging in the Detection and Prognosis of Pre-Clinical and Early AD. <i>Behavioural Neurology</i> , 2009, 21, 3-12.	2.1	48
83	One-Year Brain Atrophy Evident in Healthy Aging. <i>Journal of Neuroscience</i> , 2009, 29, 15223-15231.	3.6	561
84	Alzheimer Disease: Quantitative Structural Neuroimaging for Detection and Prediction of Clinical and Structural Changes in Mild Cognitive Impairment. <i>Radiology</i> , 2009, 251, 195-205.	7.3	293
85	Subregional neuroanatomical change as a biomarker for Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20954-20959.	7.1	198
86	Source estimates for MEG/EEG visual evoked responses constrained by multiple, retinotopically mapped stimulus locations. <i>Human Brain Mapping</i> , 2009, 30, 1290-1309.	3.6	52
87	Automated white matter tractography using a probabilistic diffusion tensor atlas: Application to temporal lobe epilepsy. <i>Human Brain Mapping</i> , 2009, 30, 1535-1547.	3.6	217
88	Structural MRI biomarkers for preclinical and mild Alzheimer's disease. <i>Human Brain Mapping</i> , 2009, 30, 3238-3253.	3.6	201
89	Structural neuroimaging in the detection and prognosis of pre-clinical and early AD. <i>Behavioural Neurology</i> , 2009, 21, 3-12.	2.1	24
90	Human cortical representations for reaching: Mirror neurons for execution, observation, and imagery. <i>NeuroImage</i> , 2007, 37, 1315-1328.	4.2	501

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91	Spatial maps in frontal and prefrontal cortex. NeuroImage, 2006, 29, 567-577.	4.2	214
92	Smoothing and cluster thresholding for cortical surface-based group analysis of fMRI data. NeuroImage, 2006, 33, 1093-1103.	4.2	681