Christine Fennema-Notestine

List of Publications by Year in descending order

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136 13,288 54
papers citations h-index

110 g-index

all docs docs

152 docs citations

152 times ranked 16094 citing authors

#	Article	IF	CITATIONS
1	HIV-associated neurocognitive disorders before and during the era of combination antiretroviral therapy: differences in rates, nature, and predictors. Journal of NeuroVirology, 2011, 17, 3-16.	2.1	1,327
2	Distinct Genetic Influences on Cortical Surface Area and Cortical Thickness. Cerebral Cortex, 2009, 19, 2728-2735.	2.9	1,109
3	Effects of age on tissues and regions of the cerebrum and cerebellum. Neurobiology of Aging, 2001, 22, 581-594.	3.1	809
4	One-Year Brain Atrophy Evident in Healthy Aging. Journal of Neuroscience, 2009, 29, 15223-15231.	3.6	561
5	Bilingualism affects picture naming but not picture classification. Memory and Cognition, 2005, 33, 1220-1234.	1.6	421
6	Cortical Thickness and Subcortical Volumes in Schizophrenia and Bipolar Disorder. Biological Psychiatry, 2010, 68, 41-50.	1.3	406
7	Heritability of brain ventricle volume: Converging evidence from inconsistent results. Neurobiology of Aging, 2012, 33, 1-8.	3.1	351
8	Neurocognitive Change in the Era of HIV Combination Antiretroviral Therapy: The Longitudinal CHARTER Study. Clinical Infectious Diseases, 2015, 60, 473-480.	5.8	326
9	Alzheimer Disease: Quantitative Structural Neuroimaging for Detection and Prediction of Clinical and Structural Changes in Mild Cognitive Impairment. Radiology, 2009, 251, 195-205.	7. 3	293
10	Cortical Volume, Surface Area, and Thickness in Schizophrenia and Bipolar Disorder. Biological Psychiatry, 2012, 71, 552-560.	1.3	290
11	Hierarchical Genetic Organization of Human Cortical Surface Area. Science, 2012, 335, 1634-1636.	12.6	266
12	Asymptomatic HIV-associated neurocognitive impairment increases risk for symptomatic decline. Neurology, 2014, 82, 2055-2062.	1.1	255
13	Effects of Methamphetamine Dependence and HIV Infection on Cerebral Morphology. American Journal of Psychiatry, 2005, 162, 1461-1472.	7.2	249
14	Brain morphometry in female victims of intimate partner violence with and without posttraumatic stress disorder. Biological Psychiatry, 2002, 52, 1089-1101.	1.3	239
15	Genetic and environmental influences on the size of specific brain regions in midlife: The VETSA MRI study. Neurolmage, 2010, 49, 1213-1223.	4.2	208
16	Structural MRI biomarkers for preclinical and mild Alzheimer's disease. Human Brain Mapping, 2009, 30, 3238-3253.	3.6	201
17	Subregional neuroanatomical change as a biomarker for Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20954-20959.	7.1	198
18	Genetic topography of brain morphology. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17089-17094.	7.1	197

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19	CSF Biomarkers in Prediction of Cerebral and Clinical Change in Mild Cognitive Impairment and Alzheimer's Disease. Journal of Neuroscience, 2010, 30, 2088-2101.	3.6	188
20	Quantitative evaluation of automated skull-stripping methods applied to contemporary and legacy images: Effects of diagnosis, bias correction, and slice location. Human Brain Mapping, 2006, 27, 99-113.	3.6	161
21	Clinical factors related to brain structure in HIV: the CHARTER study. Journal of NeuroVirology, 2011, 17, 248-57.	2.1	158
22	In vivo evidence of cerebellar atrophy and cerebral white matter loss in Huntington disease. Neurology, 2004, 63, 989-995.	1.1	152
23	Regional shape abnormalities in mild cognitive impairment and Alzheimer's disease. Neurolmage, 2009, 45, 656-661.	4.2	146
24	Magnetic resonance imaging in Alzheimer's Disease Neuroimaging Initiative 2. Alzheimer's and Dementia, 2015, 11, 740-756.	0.8	142
25	The NIFSTD and BIRNLex Vocabularies: Building Comprehensive Ontologies for Neuroscience. Neuroinformatics, 2008, 6, 175-194.	2.8	130
26	The bilingual effect on Boston Naming Test performance. Journal of the International Neuropsychological Society, 2007, 13, 197-208.	1.8	124
27	A technique for the deidentification of structural brain MR images. Human Brain Mapping, 2007, 28, 892-903.	3.6	124
28	Cortical Thickness Is Influenced by Regionally Specific Genetic Factors. Biological Psychiatry, 2010, 67, 493-499.	1.3	124
29	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. Twin Research and Human Genetics, 2012, 15, 304-314.	0.6	120
30	Genetic Influences on Cortical Regionalization in the Human Brain. Neuron, 2011, 72, 537-544.	8.1	118
31	Left hippocampal volume loss in Alzheimer's disease is reflected in performance on odor identification: A structural MRI study. Journal of the International Neuropsychological Society, 2003, 9, 459-471.	1.8	112
32	Correlation of In Vivo Neuroimaging Abnormalities With Postmortem Human Immunodeficiency Virus Encephalitis and Dendritic Loss. Archives of Neurology, 2004, 61, 369.	4.5	110
33	Relative Capability of MR Imaging and FDG PET to Depict Changes Associated with Prodromal and Early Alzheimer Disease. Radiology, 2010, 256, 932-942.	7.3	107
34	Level of Executive Function Influences Verbal Memory in Amnestic Mild Cognitive Impairment and Predicts Prefrontal and Posterior Cingulate Thickness. Cerebral Cortex, 2010, 20, 1305-1313.	2.9	104
35	Feasibility of Multi-site Clinical Structural Neuroimaging Studies of Aging Using Legacy Data. Neuroinformatics, 2007, 5, 235-245.	2.8	103
36	Brain Atrophy in Healthy Aging Is Related to CSF Levels of AÎ21-42. Cerebral Cortex, 2010, 20, 2069-2079.	2.9	102

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37	Influence of young adult cognitive ability and additional education on later-life cognition. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2021-2026.	7.1	100
38	Relationship between regional atrophy rates and cognitive decline in mild cognitive impairment. Neurobiology of Aging, 2012, 33, 242-253.	3.1	94
39	Salivary cortisol and prefrontal cortical thickness in middle-aged men: A twin study. NeuroImage, 2010, 53, 1093-1102.	4.2	88
40	Genetic and Environmental Contributions to Regional Cortical Surface Area in Humans: A Magnetic Resonance Imaging Twin Study. Cerebral Cortex, 2011, 21, 2313-2321.	2.9	88
41	Mild Cognitive Impairment: Baseline and Longitudinal Structural MR Imaging Measures Improve Predictive Prognosis. Radiology, 2011, 259, 834-843.	7.3	84
42	The Genetic Association Between Neocortical Volume and General Cognitive Ability Is Driven by Global Surface Area Rather Than Thickness. Cerebral Cortex, 2015, 25, 2127-2137.	2.9	84
43	Resting State Abnormalities of the Default Mode Network in Mild Cognitive Impairment: A Systematic Review and Meta-Analysis. Journal of Alzheimer's Disease, 2019, 70, 107-120.	2.6	79
44	White matter damage, neuroinflammation, and neuronal integrity in HAND. Journal of NeuroVirology, 2019, 25, 32-41.	2.1	77
45	Progressive impairment on neuropsychological tasks in a longitudinal study of preclinical Alzheimer's disease Neuropsychology, 2007, 21, 696-705.	1.3	77
46	Altered brain response to reward and punishment in adolescents with Anorexia nervosa. Psychiatry Research - Neuroimaging, 2013, 214, 331-340.	1.8	76
47	Brain substrates of learning and retention in mild cognitive impairment diagnosis and progression to Alzheimer's disease. Neuropsychologia, 2010, 48, 1237-1247.	1.6	7 5
48	Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hyperintensities. Stroke, 2020, 51, 2111-2121.	2.0	71
49	More ?mapping? in brain mapping: Statistical comparison of effects. Human Brain Mapping, 2003, 19, 90-95.	3.6	70
50	Repetition priming with nonverbal stimuli in patients with dementia of the Alzheimer type Neuropsychology, 1998, 12, 43-51.	1.3	68
51	Presence of ApoE $\hat{l}\mu$ 4 Allele Associated with Thinner Frontal Cortex in Middle Age. Journal of Alzheimer's Disease, 2011, 26, 49-60.	2.6	68
52	Hypertension-Related Alterations in White Matter Microstructure Detectable in Middle Age. Hypertension, 2015, 66, 317-323.	2.7	61
53	Does amygdalar perfusion correlate with antidepressant response to partial sleep deprivation in major depression?. Psychiatry Research - Neuroimaging, 2006, 146, 43-51.	1.8	56
54	Altered BOLD Response during Inhibitory and Error Processing in Adolescents with Anorexia Nervosa. PLoS ONE, 2014, 9, e92017.	2.5	56

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55	Alterations in white matter microstructure in women recovered from anorexia nervosa. International Journal of Eating Disorders, 2013, 46, 701-708.	4.0	50
56	Conceptual and Data-based Investigation of Genetic Influences and Brain Asymmetry: A Twin Study of Multiple Structural Phenotypes. Journal of Cognitive Neuroscience, 2014, 26, 1100-1117.	2.3	50
57	Structural Neuroimaging in the Detection and Prognosis of Pre-Clinical and Early AD. Behavioural Neurology, 2009, 21, 3-12.	2.1	48
58	Genetic patterns of correlation among subcortical volumes in humans: Results from a magnetic resonance imaging twin study. Human Brain Mapping, 2011, 32, 641-653.	3.6	47
59	Effects of HIV and childhood trauma on brain morphometry and neurocognitive function. Journal of NeuroVirology, 2016, 22, 149-158.	2.1	46
60	Task-evoked pupil dilation and BOLD variance as indicators of locus coeruleus dysfunction. Cortex, 2017, 97, 60-69.	2.4	45
61	Federated Web-accessible Clinical Data Management within an Extensible NeuroImaging Database. Neuroinformatics, 2010, 8, 231-249.	2.8	44
62	Heritability of white matter microstructure in late middle age: A twin study of tractâ€based fractional anisotropy and absolute diffusivity indices. Human Brain Mapping, 2017, 38, 2026-2036.	3.6	44
63	Genetics of brain structure: Contributions from the vietnam era twin study of aging. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2013, 162, 751-761.	1.7	43
64	Neuroimaging Enrichment Strategy for Secondary Prevention Trials in Alzheimer Disease. Alzheimer Disease and Associated Disorders, 2010, 24, 269-277.	1.3	42
65	MRIâ€assessed locus coeruleus integrity is heritable and associated with multiple cognitive domains, mild cognitive impairment, and daytime dysfunction. Alzheimer's and Dementia, 2021, 17, 1017-1025.	0.8	41
66	Neurocognitive functioning in acute or early HIV infection. Journal of NeuroVirology, 2011, 17, 50-57.	2.1	40
67	Changes in cognitive function in women with HIV infection and early life stress. AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV, 2017, 29, 14-23.	1.2	40
68	Increases in brain white matter abnormalities and subcortical gray matter are linked to CD4 recovery in HIV infection. Journal of NeuroVirology, 2013, 19, 393-401.	2.1	38
69	Cognitive reserve moderates the association between hippocampal volume and episodic memory in middle age. Neuropsychologia, 2013, 51, 1124-1131.	1.6	38
70	Cognitive deficits associated with combined HIV gp120 expression and chronic methamphetamine exposure in mice. European Neuropsychopharmacology, 2015, 25, 141-150.	0.7	37
71	Genetic and environmental influences on cortical mean diffusivity. Neurolmage, 2017, 146, 90-99.	4.2	37
72	Negative fateful life events in midlife and advanced predicted brain aging. Neurobiology of Aging, 2018, 67, 1-9.	3.1	37

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73	CSF biomarkers of monocyte activation and chemotaxis correlate with magnetic resonance spectroscopy metabolites during chronic HIV disease. Journal of NeuroVirology, 2015, 21, 559-567.	2.1	36
74	Is bigger always better? The importance of cortical configuration with respect to cognitive ability. NeuroImage, 2016, 129, 356-366.	4.2	36
75	Mesial temporal, diencephalic, and striatal contributions to deficits in single word reading, word priming, and recognition memory. Journal of the International Neuropsychological Society, 2001, 7, 63-78.	1.8	35
76	Mental health outcomes in HIV and childhood maltreatment: a systematic review. Systematic Reviews, 2012, 1, 30.	5.3	35
77	<i>APOE</i> interacts with age to modify rate of decline in cognitive and brain changes in Alzheimer's disease. Alzheimer's and Dementia, 2014, 10, 336-348.	0.8	35
78	Effects of comorbidity burden and age on brain integrity in HIV. Aids, 2019, 33, 1175-1185.	2.2	35
79	Genetic and environmental influences of white and gray matter signal contrast: A new phenotype for imaging genetics?. Neurolmage, 2012, 60, 1686-1695.	4.2	32
80	Does degree of gyrification underlie the phenotypic and genetic associations between cortical surface area and cognitive ability?. Neurolmage, 2015, 106, 154-160.	4.2	32
81	Health-Related Everyday Functioning in the Internet Age: HIV-Associated Neurocognitive Disorders Disrupt Online Pharmacy and Health Chart Navigation Skills. Archives of Clinical Neuropsychology, 2016, 31, acv090.	0.5	31
82	Shorter Telomere Length - A Potential Susceptibility Factor for HIV-Associated Neurocognitive Impairments in South African Woman. PLoS ONE, 2013, 8, e58351.	2.5	31
83	Alcohol intake and brain white matter in middle aged men: Microscopic and macroscopic differences. Neurolmage: Clinical, 2018, 18, 390-398.	2.7	30
84	HIV-associated distal neuropathic pain is associated with smaller total cerebral cortical gray matter. Journal of NeuroVirology, 2014, 20, 209-218.	2.1	27
85	Mitochondrial DNA Haplogroups and Neurocognitive Impairment During HIV Infection. Clinical Infectious Diseases, 2015, 61, 1476-1484.	5.8	27
86	White matter mapping is needed. Neurobiology of Aging, 2004, 25, 37-39.	3.1	26
87	Etravirine in CSF is highly protein bound. Journal of Antimicrobial Chemotherapy, 2013, 68, 1161-1168.	3.0	25
88	Evaluating the accuracy of self-report for the diagnosis of HIV-associated neurocognitive disorder (HAND): defining "symptomatic―versus "asymptomatic―HAND. Journal of NeuroVirology, 2017, 23, 67-	-78 ^{.1}	25
89	Body mass trajectories and cortical thickness in middle-aged men: a 42-year longitudinal study starting in young adulthood. Neurobiology of Aging, 2019, 79, 11-21.	3.1	25
90	Effects of HIV Infection, methamphetamine dependence and age on cortical thickness, area and volume. NeuroImage: Clinical, 2018, 20, 1044-1052.	2.7	24

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91	Structural neuroimaging in the detection and prognosis of pre-clinical and early AD. Behavioural Neurology, 2009, 21, 3-12.	2.1	24
92	White matter disease in midlife is heritable, related to hypertension, and shares some genetic influence with systolic blood pressure. NeuroImage: Clinical, 2016, 12, 737-745.	2.7	23
93	Testing associations between cannabis use and subcortical volumes in two large populationâ€based samples. Addiction, 2018, 113, 1661-1672.	3.3	21
94	Hippocampal Atrophy Varies by Neuropsychologically Defined MCI Among Men in Their 50s. American Journal of Geriatric Psychiatry, 2015, 23, 456-465.	1.2	20
95	Genetic and Environmental Contributions to the Relationships Between Brain Structure and Average Lifetime Cigarette Use. Behavior Genetics, 2015, 45, 157-170.	2.1	19
96	Impact of childhood trauma on functionality and quality of life in HIV-infected women. Health and Quality of Life Outcomes, 2011, 9, 84.	2.4	18
97	Brain structure mediates the association between height and cognitive ability. Brain Structure and Function, 2018, 223, 3487-3494.	2.3	18
98	Predominantly global genetic influences on individual white matter tract microstructure. NeuroImage, 2019, 184, 871-880.	4.2	18
99	Effects of traumatic brain injury on cognitive functioning and cerebral metabolites in HIV-infected individuals. Journal of Clinical and Experimental Neuropsychology, 2011, 33, 326-334.	1.3	17
100	Higher education is not associated with greater cortical thickness in brain areas related to literacy or intelligence in normal aging or mild cognitive impairment. Journal of Clinical and Experimental Neuropsychology, 2012, 34, 925-935.	1.3	17
101	Genetic influences on hippocampal volume differ as a function of testosterone level in middle-aged men. Neurolmage, 2012, 59, 1123-1131.	4.2	17
102	Self-Predictions of Prospective Memory in HIV-Associated Neurocognitive Disorders: Evidence of a Metamemory Deficit. Archives of Clinical Neuropsychology, 2014, 29, 818-827.	0.5	17
103	HIV Distal Neuropathic Pain Is Associated with Smaller Ventral Posterior Cingulate Cortex. Pain Medicine, 2017, 18, pnw180.	1.9	17
104	Genetic architecture of hippocampal subfields on standard resolution MRI: How the parts relate to the whole. Human Brain Mapping, 2019, 40, 1528-1540.	3.6	16
105	Associations between depression and cardiometabolic health: A 27-year longitudinal study. Psychological Medicine, 2022, 52, 3007-3017.	4.5	16
106	Genetic and environmental influences on mean diffusivity and volume in subcortical brain regions. Human Brain Mapping, 2017, 38, 2589-2598.	3.6	15
107	Correlates of HIV RNA concentrations in cerebrospinal fluid during antiretroviral therapy: a longitudinal cohort study. Lancet HIV,the, 2019, 6, e456-e462.	4.7	15
108	Use of Neuroimaging to Inform Optimal Neurocognitive Criteria for Detecting HIV-Associated Brain Abnormalities. Journal of the International Neuropsychological Society, 2020, 26, 147-162.	1.8	15

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109	Genetic network properties of the human cortex based on regional thickness and surface area measures. Frontiers in Human Neuroscience, 2015, 9, 440.	2.0	14
110	Cumulative trauma, adversity and grief symptoms associated with fronto-temporal regions in life-course persistent delinquent boys. Psychiatry Research - Neuroimaging, 2016, 254, 92-102.	1.8	14
111	Semantic homophone priming in patients with dementia of the Alzheimer's type Neuropsychology, 1994, 8, 579-587.	1.3	13
112	Apolipoprotein E $\hat{l}\mu 4$ genotype status is not associated with neuroimaging outcomes in a large cohort of HIV+ individuals. Journal of NeuroVirology, 2016, 22, 607-614.	2.1	13
113	Pill Burden Influences the Association Between Time-Based Prospective Memory and Antiretroviral Therapy Adherence in Younger But Not Older HIV-Infected Adults. Journal of the Association of Nurses in AIDS Care, 2016, 27, 595-607.	1.0	12
114	Genetic relatedness of axial and radial diffusivity indices of cerebral white matter microstructure in late middle age. Human Brain Mapping, 2018, 39, 2235-2245.	3.6	12
115	Enabling Public Data Sharing: Encouraging Scientific Discovery and Education. Methods in Molecular Biology, 2009, 569, 25-32.	0.9	12
116	Cognitive Phenotypes, Brain Morphometry and the Detection of Cognitive Decline in Preclinical AD. Behavioural Neurology, 2009, 21, 29-37.	2.1	11
117	Functional interactions of HIV-infection and methamphetamine dependence during motor programming. Psychiatry Research - Neuroimaging, 2012, 202, 46-52.	1.8	11
118	Lifestyle and the aging brain: interactive effects of modifiable lifestyle behaviors and cognitive ability in men from midlife to old age. Neurobiology of Aging, 2021, 108, 80-89.	3.1	11
119	Emotion regulation mediates the relationship between verbal learning and internalizing, trauma-related and externalizing symptoms among early-onset, persistently delinquent adolescents. Learning and Individual Differences, 2019, 70, 201-215.	2.7	10
120	Posttraumatic stress symptom persistence across 24Âyears: association with brain structures. Brain Imaging and Behavior, 2020, 14, 1208-1220.	2.1	10
121	Associations between MRI-assessed locus coeruleus integrity and cortical gray matter microstructure. Cerebral Cortex, 2022, 32, 4191-4203.	2.9	9
122	Longâ€term associations of cigarette smoking in early midâ€life with predicted brain aging from midâ€to late life. Addiction, 2022, 117, 1049-1059.	3.3	8
123	12-year prediction of mild cognitive impairment aided by Alzheimer's brain signatures at mean age 56. Brain Communications, 2021, 3, fcab167.	3.3	7
124	Lexical and sentential priming in competition: Implications for two-stage theories of lexical access. Applied Psycholinguistics, 2001, 22, 191-215.	1.1	5
125	The Cerebral Blood Flow Biomedical Informatics Research Network (CBFBIRN) data repository. Neurolmage, 2016, 124, 1202-1207.	4.2	5
126	Iron-regulatory genes are associated with Neuroimaging measures in HIV infection. Brain Imaging and Behavior, 2020, 14, 2037-2049.	2.1	5

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127	Cognitive phenotypes, brain morphometry and the detection of cognitive decline in preclinical AD. Behavioural Neurology, 2009, 21, 29-37.	2.1	5
128	Psychoticâ€spectrum symptoms, cumulative adversity exposure and substance use among highâ€risk girls. Microbial Biotechnology, 2018, 12, 74-86.	1.7	3
129	Periventricular and deep abnormal white matter differ in associations with cognitive performance at midlife Neuropsychology, 2021, 35, 252-264.	1.3	3
130	The Impact of Genes and Environment on Brain Ageing in Males Aged 51 to 72 Years. Frontiers in Aging Neuroscience, 2022, 14, 831002.	3.4	3
131	What is it about bilingualism that affects Boston Naming Test performance? A reply to commentaries. Journal of the International Neuropsychological Society, 2007, 13, .	1.8	2
132	Paradoxical cognitive trajectories in men from earlier to later adulthood. Neurobiology of Aging, 2021, 109, 229-238.	3.1	2
133	Identification of Youthful Neurocognitive Trajectories in Adults Aging with HIV: A Latent Growth Mixture Model. AIDS and Behavior, 2021, , 1.	2.7	1
134	Reply to Haddow, et al Clinical Infectious Diseases, 2015, 60, 1442-3.	5.8	0
135	Data-Driven Exploration of Brain Structure Using Statistical Machine Learning: Validity of Derived Diagnostic Patterns in Alcohol Use Disorder and Human Immunodeficiency Virus Infection. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 508-509.	1.5	O
136	Genetic and environmental influences on structural- and diffusion-based Alzheimer's disease neuroimaging signatures across midlife and early old age. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, , .	1.5	0