

Christine Fennema-Notestine

List of Publications by Citations

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134
papers

10,543
citations

49
h-index

101
g-index

151
ext. papers

12,101
ext. citations

5.2
avg, IF

5.44
L-index

#	Paper	IF	Citations
134	HIV-associated neurocognitive disorders before and during the era of combination antiretroviral therapy: differences in rates, nature, and predictors. <i>Journal of NeuroVirology</i> , 2011 , 17, 3-16	3.9	1092
133	Distinct genetic influences on cortical surface area and cortical thickness. <i>Cerebral Cortex</i> , 2009 , 19, 2728-35	5.35	862
132	Effects of age on tissues and regions of the cerebrum and cerebellum. <i>Neurobiology of Aging</i> , 2001 , 22, 581-94	5.6	711
131	One-year brain atrophy evident in healthy aging. <i>Journal of Neuroscience</i> , 2009 , 29, 15223-31	6.6	418
130	Bilingualism affects picture naming but not picture classification. <i>Memory and Cognition</i> , 2005 , 33, 1220-34	3.4	353
129	Cortical thickness and subcortical volumes in schizophrenia and bipolar disorder. <i>Biological Psychiatry</i> , 2010 , 68, 41-50	7.9	332
128	Heritability of brain ventricle volume: converging evidence from inconsistent results. <i>Neurobiology of Aging</i> , 2012 , 33, 1-8	5.6	273
127	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	20.5	252
126	Neurocognitive change in the era of HIV combination antiretroviral therapy: the longitudinal CHARTER study. <i>Clinical Infectious Diseases</i> , 2015 , 60, 473-80	11.6	247
125	Effects of methamphetamine dependence and HIV infection on cerebral morphology. <i>American Journal of Psychiatry</i> , 2005 , 162, 1461-72	11.9	224
124	Cortical volume, surface area, and thickness in schizophrenia and bipolar disorder. <i>Biological Psychiatry</i> , 2012 , 71, 552-60	7.9	223
123	Hierarchical genetic organization of human cortical surface area. <i>Science</i> , 2012 , 335, 1634-6	33.3	214
122	Brain morphometry in female victims of intimate partner violence with and without posttraumatic stress disorder. <i>Biological Psychiatry</i> , 2002 , 52, 1089-101	7.9	203
121	Asymptomatic HIV-associated neurocognitive impairment increases risk for symptomatic decline. <i>Neurology</i> , 2014 , 82, 2055-62	6.5	201
120	Genetic and environmental influences on the size of specific brain regions in midlife: the VETSA MRI study. <i>NeuroImage</i> , 2010 , 49, 1213-23	7.9	174
119	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, 20954-9	11.5	173
118	Structural MRI biomarkers for preclinical and mild Alzheimer's disease. <i>Human Brain Mapping</i> , 2009 , 30, 3238-53	5.9	172

117	CSF biomarkers in prediction of cerebral and clinical change in mild cognitive impairment and Alzheimer's disease. <i>Journal of Neuroscience</i> , 2010 , 30, 2088-101	6.6	164
116	Genetic topography of brain morphology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 17089-94	11.5	143
115	In vivo evidence of cerebellar atrophy and cerebral white matter loss in Huntington disease. <i>Neurology</i> , 2004 , 63, 989-95	6.5	138
114	Clinical factors related to brain structure in HIV: the CHARTER study. <i>Journal of NeuroVirology</i> , 2011 , 17, 248-57	3.9	133
113	Quantitative evaluation of automated skull-stripping methods applied to contemporary and legacy images: effects of diagnosis, bias correction, and slice location. <i>Human Brain Mapping</i> , 2006 , 27, 99-113	5.9	131
112	Regional shape abnormalities in mild cognitive impairment and Alzheimer's disease. <i>NeuroImage</i> , 2009 , 45, 656-61	7.9	127
111	The NIFSTD and BIRNLex vocabularies: building comprehensive ontologies for neuroscience. <i>Neuroinformatics</i> , 2008 , 6, 175-94	3.2	111
110	Cortical thickness is influenced by regionally specific genetic factors. <i>Biological Psychiatry</i> , 2010 , 67, 493-99	9.9	109
109	The bilingual effect on Boston Naming Test performance. <i>Journal of the International Neuropsychological Society</i> , 2007 , 13, 197-208	3.1	106
108	Magnetic resonance imaging in Alzheimer's Disease Neuroimaging Initiative 2. <i>Alzheimer's and Dementia</i> , 2015 , 11, 740-56	1.2	101
107	Genetic influences on cortical regionalization in the human brain. <i>Neuron</i> , 2011 , 72, 537-44	13.9	99
106	Brain atrophy in healthy aging is related to CSF levels of A β -42. <i>Cerebral Cortex</i> , 2010 , 20, 2069-79	5.1	96
105	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, 1305-13	5.1	95
104	Relative capability of MR imaging and FDG PET to depict changes associated with prodromal and early Alzheimer disease. <i>Radiology</i> , 2010 , 256, 932-42	20.5	93
103	Correlation of in vivo neuroimaging abnormalities with postmortem human immunodeficiency virus encephalitis and dendritic loss. <i>Archives of Neurology</i> , 2004 , 61, 369-76		93
102	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. <i>Twin Research and Human Genetics</i> , 2012 , 15, 304-14	2.2	89
101	Left hippocampal volume loss in Alzheimer's disease is reflected in performance on odor identification: a structural MRI study. <i>Journal of the International Neuropsychological Society</i> , 2003 , 9, 459-71	3.1	86
100	A technique for the deidentification of structural brain MR images. <i>Human Brain Mapping</i> , 2007 , 28, 892-903	9.03	84

99	Feasibility of multi-site clinical structural neuroimaging studies of aging using legacy data. <i>Neuroinformatics</i> , 2007 , 5, 235-45	3.2	82
98	Mild cognitive impairment: baseline and longitudinal structural MR imaging measures improve predictive prognosis. <i>Radiology</i> , 2011 , 259, 834-43	20.5	80
97	Genetic and environmental contributions to regional cortical surface area in humans: a magnetic resonance imaging twin study. <i>Cerebral Cortex</i> , 2011 , 21, 2313-21	5.1	78
96	Salivary cortisol and prefrontal cortical thickness in middle-aged men: A twin study. <i>NeuroImage</i> , 2010 , 53, 1093-102	7.9	72
95	Relationship between regional atrophy rates and cognitive decline in mild cognitive impairment. <i>Neurobiology of Aging</i> , 2012 , 33, 242-53	5.6	67
94	More "mapping" in brain mapping: statistical comparison of effects. <i>Human Brain Mapping</i> , 2003 , 19, 90-5	5.9	64
93	Altered brain response to reward and punishment in adolescents with Anorexia nervosa. <i>Psychiatry Research - Neuroimaging</i> , 2013 , 214, 331-40	2.9	63
92	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, 2127-37	5.1	61
91	Progressive impairment on neuropsychological tasks in a longitudinal study of preclinical Alzheimer's disease. <i>Neuropsychology</i> , 2007 , 21, 696-705	3.8	61
90	Presence of ApoE ϵ 4 allele associated with thinner frontal cortex in middle age. <i>Journal of Alzheimer's Disease</i> , 2011 , 26 Suppl 3, 49-60	4.3	60
89	Brain substrates of learning and retention in mild cognitive impairment diagnosis and progression to Alzheimer's disease. <i>Neuropsychologia</i> , 2010 , 48, 1237-47	3.2	55
88	Does amygdalar perfusion correlate with antidepressant response to partial sleep deprivation in major depression?. <i>Psychiatry Research - Neuroimaging</i> , 2006 , 146, 43-51	2.9	50
87	Repetition priming with nonverbal stimuli in patients with dementia of the Alzheimer type.. <i>Neuropsychology</i> , 1998 , 12, 43-51	3.8	50
86	Altered BOLD response during inhibitory and error processing in adolescents with anorexia nervosa. <i>PLoS ONE</i> , 2014 , 9, e92017	3.7	49
85	White matter damage, neuroinflammation, and neuronal integrity in HAND. <i>Journal of NeuroVirology</i> , 2019 , 25, 32-41	3.9	49
84	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	11.5	46
83	Hypertension-related alterations in white matter microstructure detectable in middle age. <i>Hypertension</i> , 2015 , 66, 317-23	8.5	44
82	Genetic patterns of correlation among subcortical volumes in humans: results from a magnetic resonance imaging twin study. <i>Human Brain Mapping</i> , 2011 , 32, 641-53	5.9	42

81	Alterations in white matter microstructure in women recovered from anorexia nervosa. <i>International Journal of Eating Disorders</i> , 2013 , 46, 701-8	6.3	41
80	Neuroimaging enrichment strategy for secondary prevention trials in Alzheimer disease. <i>Alzheimer Disease and Associated Disorders</i> , 2010 , 24, 269-77	2.5	38
79	Federated web-accessible clinical data management within an extensible neuroimaging database. <i>Neuroinformatics</i> , 2010 , 8, 231-49	3.2	38
78	Structural Neuroimaging in the Detection and Prognosis of Pre-Clinical and Early AD. <i>Behavioural Neurology</i> , 2009 , 21, 3-12	3	38
77	Conceptual and data-based investigation of genetic influences and brain asymmetry: a twin study of multiple structural phenotypes. <i>Journal of Cognitive Neuroscience</i> , 2014 , 26, 1100-17	3.1	36
76	Genetics of brain structure: contributions from the Vietnam Era Twin Study of Aging. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2013 , 162B, 751-61	3.5	36
75	Neurocognitive functioning in acute or early HIV infection. <i>Journal of NeuroVirology</i> , 2011 , 17, 50-7	3.9	36
74	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	4.3	35
73	Effects of HIV and childhood trauma on brain morphometry and neurocognitive function. <i>Journal of NeuroVirology</i> , 2016 , 22, 149-58	3.9	35
72	Increases in brain white matter abnormalities and subcortical gray matter are linked to CD4 recovery in HIV infection. <i>Journal of NeuroVirology</i> , 2013 , 19, 393-401	3.9	33
71	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	5.9	31
70	CSF biomarkers of monocyte activation and chemotaxis correlate with magnetic resonance spectroscopy metabolites during chronic HIV disease. <i>Journal of NeuroVirology</i> , 2015 , 21, 559-67	3.9	31
69	Mental health outcomes in HIV and childhood maltreatment: a systematic review. <i>Systematic Reviews</i> , 2012 , 1, 30	3	30
68	Changes in cognitive function in women with HIV infection and early life stress. <i>AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV</i> , 2017 , 29, 14-23	2.2	29
67	Mesial temporal, diencephalic, and striatal contributions to deficits in single word reading, word priming, and recognition memory. <i>Journal of the International Neuropsychological Society</i> , 2001 , 7, 63-78 ^{3.1}	3.1	29
66	APOE interacts with age to modify rate of decline in cognitive and brain changes in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2014 , 10, 336-48	1.2	27
65	Task-evoked pupil dilation and BOLD variance as indicators of locus coeruleus dysfunction. <i>Cortex</i> , 2017 , 97, 60-69	3.8	26
64	Is bigger always better? The importance of cortical configuration with respect to cognitive ability. <i>NeuroImage</i> , 2016 , 129, 356-366	7.9	25

63	Cognitive reserve moderates the association between hippocampal volume and episodic memory in middle age. <i>Neuropsychologia</i> , 2013 , 51, 1124-31	3.2	25
62	Cognitive deficits associated with combined HIV gp120 expression and chronic methamphetamine exposure in mice. <i>European Neuropsychopharmacology</i> , 2015 , 25, 141-50	1.2	25
61	Genetic and environmental influences of white and gray matter signal contrast: a new phenotype for imaging genetics?. <i>NeuroImage</i> , 2012 , 60, 1686-95	7.9	25
60	Shorter telomere length - A potential susceptibility factor for HIV-associated neurocognitive impairments in South African women [corrected]. <i>PLoS ONE</i> , 2013 , 8, e58351	3.7	25
59	Does degree of gyrification underlie the phenotypic and genetic associations between cortical surface area and cognitive ability?. <i>NeuroImage</i> , 2015 , 106, 154-60	7.9	24
58	Health-Related Everyday Functioning in the Internet Age: HIV-Associated Neurocognitive Disorders Disrupt Online Pharmacy and Health Chart Navigation Skills. <i>Archives of Clinical Neuropsychology</i> , 2016 , 31, 176-85	2.7	24
57	Etravirine in CSF is highly protein bound. <i>Journal of Antimicrobial Chemotherapy</i> , 2013 , 68, 1161-8	5.1	24
56	White matter mapping is needed. <i>Neurobiology of Aging</i> , 2004 , 25, 37-9	5.6	24
55	Mitochondrial DNA Haplogroups and Neurocognitive Impairment During HIV Infection. <i>Clinical Infectious Diseases</i> , 2015 , 61, 1476-84	11.6	23
54	Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hyperintensities. <i>Stroke</i> , 2020 , 51, 2111-2121	6.7	23
53	Evaluating the accuracy of self-report for the diagnosis of HIV-associated neurocognitive disorder (HAND): defining "symptomatic" versus "asymptomatic" HAND. <i>Journal of NeuroVirology</i> , 2017 , 23, 67-78	3.9	23
52	Negative fateful life events in midlife and advanced predicted brain aging. <i>Neurobiology of Aging</i> , 2018 , 67, 1-9	5.6	22
51	HIV-associated distal neuropathic pain is associated with smaller total cerebral cortical gray matter. <i>Journal of NeuroVirology</i> , 2014 , 20, 209-18	3.9	21
50	Genetic and environmental influences on cortical mean diffusivity. <i>NeuroImage</i> , 2017 , 146, 90-99	7.9	21
49	Structural neuroimaging in the detection and prognosis of pre-clinical and early AD. <i>Behavioural Neurology</i> , 2009 , 21, 3-12	3	21
48	Effects of comorbidity burden and age on brain integrity in HIV. <i>Aids</i> , 2019 , 33, 1175-1185	3.5	21
47	Alcohol intake and brain white matter in middle aged men: Microscopic and macroscopic differences. <i>NeuroImage: Clinical</i> , 2018 , 18, 390-398	5.3	18
46	Genetic influences on hippocampal volume differ as a function of testosterone level in middle-aged men. <i>NeuroImage</i> , 2012 , 59, 1123-31	7.9	17

45	White matter disease in midlife is heritable, related to hypertension, and shares some genetic influence with systolic blood pressure. <i>NeuroImage: Clinical</i> , 2016 , 12, 737-745	5.3	17
44	Genetic and environmental contributions to the relationships between brain structure and average lifetime cigarette use. <i>Behavior Genetics</i> , 2015 , 45, 157-70	3.2	16
43	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, 925-35	2.1	16
42	Testing associations between cannabis use and subcortical volumes in two large population-based samples. <i>Addiction</i> , 2018 , 113, 1661	4.6	15
41	Self-predictions of prospective memory in HIV-associated neurocognitive disorders: evidence of a metamemory deficit. <i>Archives of Clinical Neuropsychology</i> , 2014 , 29, 818-27	2.7	15
40	Effects of HIV Infection, methamphetamine dependence and age on cortical thickness, area and volume. <i>NeuroImage: Clinical</i> , 2018 , 20, 1044-1052	5.3	15
39	Hippocampal atrophy varies by neuropsychologically defined MCI among men in their 50s. <i>American Journal of Geriatric Psychiatry</i> , 2015 , 23, 456-65	6.5	14
38	Body mass trajectories and cortical thickness in middle-aged men: a 42-year longitudinal study starting in young adulthood. <i>Neurobiology of Aging</i> , 2019 , 79, 11-21	5.6	12
37	Genetic network properties of the human cortex based on regional thickness and surface area measures. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 440	3.3	12
36	Brain structure mediates the association between height and cognitive ability. <i>Brain Structure and Function</i> , 2018 , 223, 3487-3494	4	12
35	Impact of childhood trauma on functionality and quality of life in HIV-infected women. <i>Health and Quality of Life Outcomes</i> , 2011 , 9, 84	3	11
34	Effects of traumatic brain injury on cognitive functioning and cerebral metabolites in HIV-infected individuals. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2011 , 33, 326-34	2.1	11
33	Enabling public data sharing: encouraging scientific discovery and education. <i>Methods in Molecular Biology</i> , 2009 , 569, 25-32	1.4	11
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	5.9	10
31	Cognitive Phenotypes, Brain Morphometry and the Detection of Cognitive Decline in Preclinical AD. <i>Behavioural Neurology</i> , 2009 , 21, 29-37	3	10
30	Semantic homophone priming in patients with dementia of the Alzheimer's type.. <i>Neuropsychology</i> , 1994 , 8, 579-587	3.8	10
29	HIV Distal Neuropathic Pain Is Associated with Smaller Ventral Posterior Cingulate Cortex. <i>Pain Medicine</i> , 2017 , 18, 428-440	2.8	10
28	Correlates of HIV RNA concentrations in cerebrospinal fluid during antiretroviral therapy: a longitudinal cohort study. <i>Lancet HIV, the</i> , 2019 , 6, e456-e462	7.8	9

27	Functional interactions of HIV-infection and methamphetamine dependence during motor programming. <i>Psychiatry Research - Neuroimaging</i> , 2012 , 202, 46-52	2.9	9
26	Pill Burden Influences the Association Between Time-Based Prospective Memory and Antiretroviral Therapy Adherence in Younger But Not Older HIV-Infected Adults. <i>Journal of the Association of Nurses in AIDS Care</i> , 2016 , 27, 595-607	1.6	9
25	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	5.9	9
24	Predominantly global genetic influences on individual white matter tract microstructure. <i>NeuroImage</i> , 2019 , 184, 871-880	7.9	9
23	Emotion regulation mediates the relationship between verbal learning and internalizing, trauma-related and externalizing symptoms among early-onset, persistently delinquent adolescents. <i>Learning and Individual Differences</i> , 2019 , 70, 201-215	3.1	9
22	Cumulative trauma, adversity and grief symptoms associated with fronto-temporal regions in life-course persistent delinquent boys. <i>Psychiatry Research - Neuroimaging</i> , 2016 , 254, 92-102	2.9	8
21	Apolipoprotein E ϵ genotype status is not associated with neuroimaging outcomes in a large cohort of HIV+ individuals. <i>Journal of NeuroVirology</i> , 2016 , 22, 607-614	3.9	8
20	Genetic and environmental influences on mean diffusivity and volume in subcortical brain regions. <i>Human Brain Mapping</i> , 2017 , 38, 2589-2598	5.9	7
19	Posttraumatic stress symptom persistence across 24 years: association with brain structures. <i>Brain Imaging and Behavior</i> , 2020 , 14, 1208-1220	4.1	7
18	Use of Neuroimaging to Inform Optimal Neurocognitive Criteria for Detecting HIV-Associated Brain Abnormalities. <i>Journal of the International Neuropsychological Society</i> , 2020 , 26, 147-162	3.1	7
17	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	1.2	7
16	Lexical and sentential priming in competition: Implications for two-stage theories of lexical access. <i>Applied Psycholinguistics</i> , 2001 , 22, 191-215	1.4	5
15	The Cerebral Blood Flow Biomedical Informatics Research Network (CBFBIRN) data repository. <i>NeuroImage</i> , 2016 , 124, 1202-1207	7.9	4
14	Cognitive phenotypes, brain morphometry and the detection of cognitive decline in preclinical AD. <i>Behavioural Neurology</i> , 2009 , 21, 29-37	3	4
13	Associations between depression and cardiometabolic health: A 27-year longitudinal study. <i>Psychological Medicine</i> , 2021 , 1-11	6.9	3
12	What is it about bilingualism that affects Boston Naming Test performance? A reply to commentaries. <i>Journal of the International Neuropsychological Society</i> , 2007 , 13,	3.1	2
11	12-year prediction of mild cognitive impairment aided by Alzheimer's brain signatures at mean age 56. <i>Brain Communications</i> , 2021 , 3, fcab167	4.5	2
10	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	5.6	2

9	Psychotic-spectrum symptoms, cumulative adversity exposure and substance use among high-risk girls. <i>Microbial Biotechnology</i> , 2018 , 12, 74-86	3.3	1
8	Long-term associations of cigarette smoking in early mid-life with predicted brain aging from mid- to late life. <i>Addiction</i> , 2021 ,	4.6	1
7	Iron-regulatory genes are associated with Neuroimaging measures in HIV infection. <i>Brain Imaging and Behavior</i> , 2020 , 14, 2037-2049	4.1	1
6	Paradoxical cognitive trajectories in men from earlier to later adulthood. <i>Neurobiology of Aging</i> , 2021 , 109, 229-238	5.6	0
5	Periventricular and deep abnormal white matter differ in associations with cognitive performance at midlife. <i>Neuropsychology</i> , 2021 , 35, 252-264	3.8	0
4	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	5.3	0
3	Data-Driven Exploration of Brain Structure Using Statistical Machine Learning: Validity of Derived Diagnostic Patterns in Alcohol Use Disorder and Human Immunodeficiency Virus Infection. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019 , 4, 508-509	3.4	
2	Reply to Haddow et al. <i>Clinical Infectious Diseases</i> , 2015 , 60, 1442-3	11.6	
1	Identification of Youthful Neurocognitive Trajectories in Adults Aging with HIV: A Latent Growth Mixture Model. <i>AIDS and Behavior</i> , 2021 , 1	4.3	