Vivianna M Van Deerlin

List of Publications by Citations

116 papers	11,398 citations	48 h-index	106 g-index
127 ext. papers	15,061 ext. citations	12.8 avg, IF	5.14 L-index

#	Paper	IF	Citations
116	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
115	Frequency of the C9orf72 hexanucleotide repeat expansion in patients with amyotrophic lateral sclerosis and frontotemporal dementia: a cross-sectional study. *Lancet Neurology, The*, **2012**, 11, 323-30	24.1	830
114	Analysis of shared heritability in common disorders of the brain. *Science*, **2018**, 360,	33.3	666
113	Exome sequencing in amyotrophic lateral sclerosis identifies risk genes and pathways. *Science*, **2015**, 347, 1436-41	33.3	642
112	Stages of pTDP-43 pathology in amyotrophic lateral sclerosis. *Annals of Neurology*, **2013**, 74, 20-38	9.4	588
111	TARDBP mutations in amyotrophic lateral sclerosis with TDP-43 neuropathology: a genetic and histopathological analysis. *Lancet Neurology, The*, **2008**, 7, 409-16	24.1	542
110	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
109	Common variants at 7p21 are associated with frontotemporal lobar degeneration with TDP-43 inclusions. *Nature Genetics*, **2010**, 42, 234-9	36.3	361
108	Genome-wide association analyses identify new risk variants and the genetic architecture of amyotrophic lateral sclerosis. *Nature Genetics*, **2016**, 48, 1043-8	36.3	328
107	Genome-wide Analyses Identify KIF5A as a Novel ALS Gene. *Neuron*, **2018**, 97, 1268-1283.e6	13.9	296
106	Neuropathological and genetic correlates of survival and dementia onset in synucleinopathies: a retrospective analysis. *Lancet Neurology, The*, **2017**, 16, 55-65	24.1	273
105	Trial of Transplantation of HCV-Infected Kidneys into Uninfected Recipients. *New England Journal of Medicine*, **2017**, 376, 2394-2395	59.2	251
104	Neurodegenerative disease concomitant proteinopathies are prevalent, age-related and APOE4-associated. *Brain*, **2018**, 141, 2181-2193	11.2	245
103	Frontotemporal dementia and its subtypes: a genome-wide association study. *Lancet Neurology, The*, **2014**, 13, 686-99	24.1	207
102	Sequential distribution of pTDP-43 pathology in behavioral variant frontotemporal dementia (bvFTD). *Acta Neuropathologica*, **2014**, 127, 423-439	14.3	183
101	Evidence for a role of the rare p.A152T variant in MAPT in increasing the risk for FTD-spectrum and Alzheimer's diseases. *Human Molecular Genetics*, **2012**, 21, 3500-12	5.6	174
100	Frontotemporal lobar degeneration: defining phenotypic diversity through personalized medicine. *Acta Neuropathologica*, **2015**, 129, 469-91	14.3	165

99	Loss of brain tau defines novel sporadic and familial tauopathies with frontotemporal dementia. *Annals of Neurology*, **2001**, 49, 165-75	9.4	146
98	Diagnosis of Parkinson's disease on the basis of clinical and genetic classification: a population-based modelling study. *Lancet Neurology, The*, **2015**, 14, 1002-9	24.1	141
97	Twelve-Month Outcomes After Transplant of Hepatitis C-Infected Kidneys Into Uninfected Recipients: A Single-Group Trial. *Annals of Internal Medicine*, **2018**, 169, 273-281	8	139
96	CSF biomarkers associated with disease heterogeneity in early Parkinson's disease: the Parkinson's Progression Markers Initiative study. *Acta Neuropathologica*, **2016**, 131, 935-49	14.3	138
95	APOE, MAPT, and SNCA genes and cognitive performance in Parkinson disease. *JAMA Neurology*, **2014**, 71, 1405-12	17.2	135
94	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
93	The role of TREM2 R47H as a risk factor for Alzheimer's disease, frontotemporal lobar degeneration, amyotrophic lateral sclerosis, and Parkinson's disease. *Alzheimer's and Dementia*, **2015**, 11, 1407-1416	1.2	126
92	Investigating the genetic architecture of dementia with Lewy bodies: a two-stage genome-wide association study. *Lancet Neurology, The*, **2018**, 17, 64-74	24.1	121
91	Association of GBA Mutations and the E326K Polymorphism With Motor and Cognitive Progression in Parkinson Disease. *JAMA Neurology*, **2016**, 73, 1217-1224	17.2	120
90	Genome-wide association study of corticobasal degeneration identifies risk variants shared with progressive supranuclear palsy. *Nature Communications*, **2015**, 6, 7247	17.4	118
89	A platform for discovery: The University of Pennsylvania Integrated Neurodegenerative Disease Biobank. *Alzheimer's and Dementia*, **2014**, 10, 477-484.e1	1.2	118
88	GBA Variants are associated with a distinct pattern of cognitive deficits in Parkinson's disease. *Movement Disorders*, **2016**, 31, 95-102	7	113
87	Cognitive decline and reduced survival in C9orf72 expansion frontotemporal degeneration and amyotrophic lateral sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2013**, 84, 163-9	5.5	112
86	Graft-versus-tumor induction with donor leukocyte infusions as primary therapy for patients with malignancies. *Journal of Clinical Oncology*, **1999**, 17, 1234	2.2	110
85	Genome-wide association study identifies four novel loci associated with Alzheimer's endophenotypes and disease modifiers. *Acta Neuropathologica*, **2017**, 133, 839-856	14.3	107
84	Deep clinical and neuropathological phenotyping of Pick disease. *Annals of Neurology*, **2016**, 79, 272-87	9.4	106
83	Expansion of the classification of FTLD-TDP: distinct pathology associated with rapidly progressive frontotemporal degeneration. *Acta Neuropathologica*, **2017**, 134, 65-78	14.3	96
82	Age at symptom onset and death and disease duration in genetic frontotemporal dementia: an international retrospective cohort study. *Lancet Neurology, The*, **2020**, 19, 145-156	24.1	90

81	Development and validation of pedigree classification criteria for frontotemporal lobar degeneration. *JAMA Neurology*, **2013**, 70, 1411-7	17.2	87
80	Risk genotypes at TMEM106B are associated with cognitive impairment in amyotrophic lateral sclerosis. *Acta Neuropathologica*, **2011**, 121, 373-80	14.3	82
79	Postmortem Cortex Samples Identify Distinct Molecular Subtypes of ALS: Retrotransposon Activation, Oxidative Stress, and Activated Glia. *Cell Reports*, **2019**, 29, 1164-1177.e5	10.6	78
78	C9ORF72 repeat expansions in cases with previously identified pathogenic mutations. *Neurology*, **2013**, 81, 1332-41	6.5	75
77	Clinical marker for Alzheimer disease pathology in logopenic primary progressive aphasia. *Neurology*, **2017**, 88, 2276-2284	6.5	72
76	Shared polygenic risk and causal inferences in amyotrophic lateral sclerosis. *Annals of Neurology*, **2019**, 85, 470-481	9.4	72
75	Transplanting hepatitis C virus-infected hearts into uninfected recipients: A single-arm trial. *American Journal of Transplantation*, **2019**, 19, 2533-2542	8.7	64
74	C9orf72 and UNC13A are shared risk loci for amyotrophic lateral sclerosis and frontotemporal dementia: a genome-wide meta-analysis. *Annals of Neurology*, **2014**, 76, 120-33	9.4	61
73	Potential genetic modifiers of disease risk and age at onset in patients with frontotemporal lobar degeneration and GRN mutations: a genome-wide association study. *Lancet Neurology, The*, **2018**, 17, 548-558	24.1	60
72	Selective Genetic Overlap Between Amyotrophic Lateral Sclerosis and Diseases of the Frontotemporal Dementia Spectrum. *JAMA Neurology*, **2018**, 75, 860-875	17.2	56
71	Identification of evolutionarily conserved gene networks mediating neurodegenerative dementia. *Nature Medicine*, **2019**, 25, 152-164	50.5	55
70	Semi-automated quantification of C9orf72 expansion size reveals inverse correlation between hexanucleotide repeat number and disease duration in frontotemporal degeneration. *Acta Neuropathologica*, **2015**, 130, 363-72	14.3	53
69	Genome-wide analyses as part of the international FTLD-TDP whole-genome sequencing consortium reveals novel disease risk factors and increases support for immune dysfunction in FTLD. *Acta Neuropathologica*, **2019**, 137, 879-899	14.3	50
68	Sex-specific genetic predictors of Alzheimer's disease biomarkers. *Acta Neuropathologica*, **2018**, 136, 857-872	14.3	48
67	Clinical, genetic, and pathologic characteristics of patients with frontotemporal dementia and progranulin mutations. *Archives of Neurology*, **2007**, 64, 1148-53		47
66	TDP-43 Promotes Neurodegeneration by Impairing Chromatin Remodeling. *Current Biology*, **2017**, 27, 3579-3590.e6	6.3	43
65	Genome-wide, high-content siRNA screening identifies the Alzheimer's genetic risk factor FERMT2 as a major modulator of APP metabolism. *Acta Neuropathologica*, **2017**, 133, 955-966	14.3	40
64	Early donor chimerism levels predict relapse and survival after allogeneic stem cell transplantation with reduced-intensity conditioning. *Biology of Blood and Marrow Transplantation*, **2014**, 20, 1758-66	4.7	39

63	Genetic and neuroanatomic associations in sporadic frontotemporal lobar degeneration. *Neurobiology of Aging*, **2014**, 35, 1473-82	5.6	38
62	PARK10 is a major locus for sporadic neuropathologically confirmed Parkinson disease. *Neurology*, **2015**, 84, 972-80	6.5	38
61	Asymmetry of post-mortem neuropathology in behavioural-variant frontotemporal dementia. *Brain* , **2018**, 141, 288-301	11.2	34
60	ALS-Plus syndrome: non-pyramidal features in a large ALS cohort. *Journal of the Neurological Sciences*, **2014**, 345, 118-24	3.2	34
59	C9orf72 intermediate repeats are associated with corticobasal degeneration, increased C9orf72 expression and disruption of autophagy. *Acta Neuropathologica*, **2019**, 138, 795-811	14.3	33
58	A 2-Step Cerebrospinal Algorithm for the Selection of Frontotemporal Lobar Degeneration Subtypes. *JAMA Neurology*, **2018**, 75, 738-745	17.2	32
57	APOE and TREM2 regulate amyloid-responsive microglia in Alzheimer's disease. *Acta Neuropathologica*, **2020**, 140, 477-493	14.3	31
56	Genome sequencing analysis identifies new loci associated with Lewy body dementia and provides insights into its genetic architecture. *Nature Genetics*, **2021**, 53, 294-303	36.3	31
55	Lower plasma apolipoprotein A1 levels are found in Parkinson's disease and associate with apolipoprotein A1 genotype. *Movement Disorders*, **2015**, 30, 805-12	7	29
54	Cognitive reserve in frontotemporal degeneration: Neuroanatomic and neuropsychological evidence. *Neurology*, **2016**, 87, 1813-1819	6.5	28
53	Autosomal dominant VCP hypomorph mutation impairs disaggregation of PHF-tau. *Science*, **2020**, 370,	33.3	27
52	Aberrant activation of non-coding RNA targets of transcriptional elongation complexes contributes to TDP-43 toxicity. *Nature Communications*, **2018**, 9, 4406	17.4	26
51	Regional brain amyloid-β accumulation associates with domain-specific cognitive performance in Parkinson disease without dementia. *PLoS ONE*, **2017**, 12, e0177924	3.7	25
50	A C6orf10/LOC101929163 locus is associated with age of onset in C9orf72 carriers. *Brain*, **2018**, 141, 2895-2907	11.2	25
49	Large-scale exploratory genetic analysis of cognitive impairment in Parkinson's disease. *Neurobiology of Aging*, **2017**, 56, 211.e1-211.e7	5.6	24
48	APOE, thought disorder, and SPARE-AD predict cognitive decline in established Parkinson's disease. *Movement Disorders*, **2018**, 33, 289-297	7	24
47	Alzheimer's Disease and Frontotemporal Dementia: The Current State of Genetics and Genetic Testing Since the Advent of Next-Generation Sequencing. *Molecular Diagnosis and Therapy*, **2018**, 22, 505-513	4.5	24
46	TMEM106B Effect on cognition in Parkinson disease and frontotemporal dementia. *Annals of Neurology*, **2019**, 85, 801-811	9.4	23

45	Lack of evidence for Lrrk2 in -synuclein pathological inclusions. *Annals of Neurology*, **2006**, 60, 618-619	9.4	23
44	Transcriptomic Changes Due to Cytoplasmic TDP-43 Expression Reveal Dysregulation of Histone Transcripts and Nuclear Chromatin. *PLoS ONE*, **2015**, 10, e0141836	3.7	23
43	Neuron loss and degeneration in the progression of TDP-43 in frontotemporal lobar degeneration. *Acta Neuropathologica Communications*, **2017**, 5, 68	7.3	20
42	Pathogenic Huntingtin Repeat Expansions in Patients with Frontotemporal Dementia and Amyotrophic Lateral Sclerosis. *Neuron*, **2021**, 109, 448-460.e4	13.9	20
41	Familial frontotemporal dementia: from gene discovery to clinical molecular diagnostics. *Clinical Chemistry*, **2003**, 49, 1717-25	5.5	19
40	Common and rare variant association analyses in amyotrophic lateral sclerosis identify 15 risk loci with distinct genetic architectures and neuron-specific biology. *Nature Genetics*, **2021**, 53, 1636-1648	36.3	19
39	UNC13A polymorphism contributes to frontotemporal disease in sporadic amyotrophic lateral sclerosis. *Neurobiology of Aging*, **2019**, 73, 190-199	5.6	19
38	TDP-43 pathology in a case of hereditary spastic paraplegia with a NIPA1/SPG6 mutation. *Acta Neuropathologica*, **2012**, 124, 285-91	14.3	18
37	Myelin oligodendrocyte basic protein and prognosis in behavioral-variant frontotemporal dementia. *Neurology*, **2014**, 83, 502-9	6.5	17
36	Differences in the Presentation and Progression of Parkinson's Disease by Sex. *Movement Disorders* , **2021**, 36, 106-117	7	16
35	Converging Patterns of -Synuclein Pathology in Multiple System Atrophy. *Journal of Neuropathology and Experimental Neurology*, **2018**, 77, 1005-1016	3.1	16
34	Longitudinal structural gray matter and white matter MRI changes in presymptomatic progranulin mutation carriers. *NeuroImage: Clinical*, **2018**, 19, 497-506	5.3	16
33	Heritability and genetic variance of dementia with Lewy bodies. *Neurobiology of Disease*, **2019**, 127, 492-501	7.9	15
32	Analysis of neurodegenerative disease-causing genes in dementia with Lewy bodies. *Acta Neuropathologica Communications*, **2020**, 8, 5	7.3	15
31	The development and convergence of co-pathologies in Alzheimer's disease. *Brain*, **2021**, 144, 953-962	11.2	14
30	Preemptive Treatment With Elbasvir and Grazoprevir for Hepatitis C-Viremic Donor to Uninfected Recipient Kidney Transplantation. *Kidney International Reports*, **2020**, 5, 459-467	4.1	12
29	Primary Tau Pathology, Not Copathology, Correlates With Clinical Symptoms in PSP and CBD. *Journal of Neuropathology and Experimental Neurology*, **2020**, 79, 296-304	3.1	12
28	Analysis of C9orf72 repeat expansions in a large international cohort of dementia with Lewy bodies. *Neurobiology of Aging*, **2017**, 49, 214.e13-214.e15	5.6	10

27	A comprehensive screening of copy number variability in dementia with Lewy bodies. *Neurobiology of Aging*, **2019**, 75, 223.e1-223.e10	5.6	10
26	Early emergence of anti-HCV antibody implicates donor origin in recipients of an HCV-infected organ. *American Journal of Transplantation*, **2019**, 19, 2525-2532	8.7	9
25	Validation of a Long-Read PCR Assay for Sensitive Detection and Sizing of C9orf72 Hexanucleotide Repeat Expansions. *Journal of Molecular Diagnostics*, **2018**, 20, 871-882	5.1	9
24	Biochemical and pathological characterization of frontotemporal dementia due to a Leu266Val mutation in microtubule-associated protein tau in an African American individual. *Acta Neuropathologica*, **2007**, 113, 471-9	14.3	9
23	Genomewide Association Studies of LRRK2 Modifiers of Parkinson's Disease. *Annals of Neurology*, **2021**, 90, 76-88	9.4	9
22	Common neuropathological features underlie distinct clinical presentations in three siblings with hereditary diffuse leukoencephalopathy with spheroids caused by CSF1R p.Arg782His. *Acta Neuropathologica Communications*, **2015**, 3, 42	7.3	8
21	Tau immunotherapy is associated with glial responses in FTLD-tau. *Acta Neuropathologica*, **2021**, 142, 243-257	14.3	8
20	Hepatitis C virus genotyping of organ donor samples to aid in transplantation of HCV-positive organs. *Clinical Transplantation*, **2018**, 32, e13172	3.8	8
19	Genetic predictors of survival in behavioral variant frontotemporal degeneration. *Neurology*, **2019**, 93, e1707-e1714	6.5	6
18	Frontotemporal lobar degeneration proteinopathies have disparate microscopic patterns of white and grey matter pathology. *Acta Neuropathologica Communications*, **2021**, 9, 30	7.3	6
17	Degeneration of the locus coeruleus is a common feature of tauopathies and distinct from TDP-43 proteinopathies in the frontotemporal lobar degeneration spectrum. *Acta Neuropathologica*, **2020**, 140, 675-693	14.3	5
16	Association of Variants in the SPTLC1 Gene With Juvenile Amyotrophic Lateral Sclerosis. *JAMA Neurology*, **2021**, 78, 1236-1248	17.2	5
15	Machine learning suggests polygenic risk for cognitive dysfunction in amyotrophic lateral sclerosis. *EMBO Molecular Medicine*, **2021**, 13, e12595	12	3
14	ADNC-RS, a clinical-genetic risk score, predicts Alzheimer's pathology in autopsy-confirmed Parkinson's disease and Dementia with Lewy bodies. *Acta Neuropathologica*, **2020**, 140, 449-461	14.3	3
13	TMEM106B modifies TDP-43 pathology in human ALS brain and cell-based models of TDP-43 proteinopathy. *Acta Neuropathologica*, **2021**, 142, 629-642	14.3	3
12	Distinct characteristics of limbic-predominant age-related TDP-43 encephalopathy in Lewy body disease. *Acta Neuropathologica*, **2021**, 143, 15	14.3	2
11	Machine learning suggests polygenic contribution to cognitive dysfunction in amyotrophic lateral sclerosis		1
10	Whole Clinic Research Enrollment in Parkinson's Disease: The Molecular Integration in Neurological Diagnosis (MIND) Study. *Journal of Parkinson's Disease*, **2021**, 11, 757-765	5.3	1

9	TMEM106B deficiency impairs cerebellar myelination and synaptic integrity with Purkinje cell loss.. *Acta Neuropathologica Communications*, **2022**, 10, 33	7.3	1
8	Signature laminar distributions of pathology in frontotemporal lobar degeneration.. *Acta Neuropathologica*, **2022**, 143, 363	14.3	0
7	Common genetic variation is associated with longitudinal decline and network features in behavioral variant frontotemporal degeneration. *Neurobiology of Aging*, **2021**, 108, 16-23	5.6	0
6	O2-10-05: Cerebrospinal Fluid Levels of Amyloid Beta and Tau as Endophenotypes Reveal Novel Variants Potentially Informative for Alzheimer's Disease **2016**, 12, P252-P252		
5	[P3□072]: MULTI-SITE EVALUATION OF THE AMPLIDEX□ PCR/CE TOMM40 KIT FOR RAPID AND ACCURATE GENOTYPING OF POLY-T LENGTH POLYMORPHISMS AT RS10524523 OF THE TOMM40 GENE **2017**, 13, P959-P959		
4	A Robust Xenotransplantation Model for Acute Myeloid Leukemia. *Blood*, **2008**, 112, 2939-2939	2.2	
3	Association of Mitochondrial DNA Genomic Variation With Risk of Pick Disease. *Neurology*, **2021**, 96, e1755-e1760	6.5	
2	P1-139: THE CONTRIBUTION OF SEX-SPECIFIC ASSOCIATIONS IN GENETIC STUDIES OF ALZHEIMER'S DISEASE PATHOLOGY **2018**, 14, P327-P328		
1	Mapping tau burden and neuronal loss in MAPT-associated frontotemporal lobar degeneration.. *Alzheimer's and Dementia*, **2021**, 17 Suppl 3, e054141	1.2	