

# Thor D Stein

## List of Publications by Year in descending order

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Version: 2024-02-01

125  
papers

12,123  
citations

61984

43  
h-index

27406

106  
g-index

139  
all docs

139  
docs citations

139  
times ranked

10705  
citing authors

#	ARTICLE	IF	CITATIONS
1	The spectrum of disease in chronic traumatic encephalopathy. <i>Brain</i> , 2013, 136, 43-64.	7.6	1,690
2	Primary age-related tauopathy (PART): a common pathology associated with human aging. <i>Acta Neuropathologica</i> , 2014, 128, 755-766.	7.7	1,060
3	Clinicopathological Evaluation of Chronic Traumatic Encephalopathy in Players of American Football. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 360.	7.4	771
4	The first NINDS/NIBIB consensus meeting to define neuropathological criteria for the diagnosis of chronic traumatic encephalopathy. <i>Acta Neuropathologica</i> , 2016, 131, 75-86.	7.7	708
5	Chronic Traumatic Encephalopathy in Blast-Exposed Military Veterans and a Blast Neurotrauma Mouse Model. <i>Science Translational Medicine</i> , 2012, 4, 134ra60.	12.4	684
6	Nrf2, a multi-organ protector?. <i>FASEB Journal</i> , 2005, 19, 1061-1066.	0.5	468
7	Clinical presentation of chronic traumatic encephalopathy. <i>Neurology</i> , 2013, 81, 1122-1129.	1.1	459
8	The Neuropathology of Chronic Traumatic Encephalopathy. <i>Brain Pathology</i> , 2015, 25, 350-364.	4.1	411
9	The neuropathology of sport. <i>Acta Neuropathologica</i> , 2014, 127, 29-51.	7.7	348
10	Concussion, microvascular injury, and early tauopathy in young athletes after impact head injury and an impact concussion mouse model. <i>Brain</i> , 2018, 141, 422-458.	7.6	315
11	Dissecting phenotypic traits linked to human resilience to Alzheimer's pathology. <i>Brain</i> , 2013, 136, 2510-2526.	7.6	294
12	Lack of Neurodegeneration in Transgenic Mice Overexpressing Mutant Amyloid Precursor Protein Is Associated with Increased Levels of Transthyretin and the Activation of Cell Survival Pathways. <i>Journal of Neuroscience</i> , 2002, 22, 7380-7388.	3.6	265
13	Neutralization of Transthyretin Reverses the Neuroprotective Effects of Secreted Amyloid Precursor Protein (APP) in APP <sup>Sw</sup> Mice Resulting in Tau Phosphorylation and Loss of Hippocampal Neurons: Support for the Amyloid Hypothesis. <i>Journal of Neuroscience</i> , 2004, 24, 7707-7717.	3.6	243
14	Beta-amyloid deposition in chronic traumatic encephalopathy. <i>Acta Neuropathologica</i> , 2015, 130, 21-34.	7.7	234
15	Microglial neuroinflammation contributes to tau accumulation in chronic traumatic encephalopathy. <i>Acta Neuropathologica Communications</i> , 2016, 4, 112.	5.2	206
16	Chronic traumatic encephalopathy: a spectrum of neuropathological changes following repetitive brain trauma in athletes and military personnel. <i>Alzheimer's Research and Therapy</i> , 2014, 6, 4.	6.2	195
17	Association of Chronic Low-grade Inflammation With Risk of Alzheimer Disease in ApoE4 Carriers. <i>JAMA Network Open</i> , 2018, 1, e183597.	5.9	145
18	Genetic dissection of systemic autoimmune disease in Nrf2-deficient mice. <i>Physiological Genomics</i> , 2004, 18, 261-272.	2.3	136

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19	Duration of American Football Play and Chronic Traumatic Encephalopathy. <i>Annals of Neurology</i> , 2020, 87, 116-131.	5.3	136
20	Concussion in Chronic Traumatic Encephalopathy. <i>Current Pain and Headache Reports</i> , 2015, 19, 47.	2.9	129
21	Diagnostic value of lobar microbleeds in individuals without intracerebral hemorrhage. <i>Alzheimer's and Dementia</i> , 2015, 11, 1480-1488.	0.8	119
22	The Second NINDS/NIBIB Consensus Meeting to Define Neuropathological Criteria for the Diagnosis of Chronic Traumatic Encephalopathy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021, 80, 210-219.	1.7	111
23	Post-traumatic neurodegeneration and chronic traumatic encephalopathy. <i>Molecular and Cellular Neurosciences</i> , 2015, 66, 81-90.	2.2	108
24	Altered metabotropic glutamate receptor 5 markers in PTSD: In vivo and postmortem evidence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8390-8395.	7.1	107
25	Age of first exposure to tackle football and chronic traumatic encephalopathy. <i>Annals of Neurology</i> , 2018, 83, 886-901.	5.3	106
26	Assessing clinicopathological correlation in chronic traumatic encephalopathy: rationale and methods for the UNITE study. <i>Alzheimer's Research and Therapy</i> , 2015, 7, 62.	6.2	99
27	Cerebrospinal fluid tau, A $\beta$ <sup>2</sup> , and sTREM2 in Former National Football League Players: Modeling the relationship between repetitive head impacts, microglial activation, and neurodegeneration. <i>Alzheimer's and Dementia</i> , 2018, 14, 1159-1170.	0.8	96
28	Chronic Traumatic Encephalopathy: Historical Origins and Current Perspective. <i>Annual Review of Clinical Psychology</i> , 2015, 11, 309-330.	12.3	92
29	Characterization of Early Pathological Tau Conformations and Phosphorylation in Chronic Traumatic Encephalopathy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016, 75, 19-34.	1.7	86
30	Artificial intelligence in neuropathology: deep learning-based assessment of tauopathy. <i>Laboratory Investigation</i> , 2019, 99, 1019-1029.	3.7	79
31	Lewy Body Pathology and Chronic Traumatic Encephalopathy Associated With Contact Sports. <i>Journal of Neuropathology and Experimental Neurology</i> , 2018, 77, 757-768.	1.7	74
32	Association of White Matter Rarefaction, Arteriolosclerosis, and Tau With Dementia in Chronic Traumatic Encephalopathy. <i>JAMA Neurology</i> , 2019, 76, 1298.	9.0	67
33	The neuropathology of chronic traumatic encephalopathy. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 158, 297-307.	1.8	66
34	Characterizing tau deposition in chronic traumatic encephalopathy (CTE): utility of the McKee CTE staging scheme. <i>Acta Neuropathologica</i> , 2020, 140, 495-512.	7.7	66
35	Axonal disruption in white matter underlying cortical sulcus tau pathology in chronic traumatic encephalopathy. <i>Acta Neuropathologica</i> , 2017, 133, 367-380.	7.7	62
36	Potential Long-Term Consequences of Concussive and Subconcussive Injury. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2016, 27, 503-511.	1.3	61

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37	CCL11 is increased in the CNS in chronic traumatic encephalopathy but not in Alzheimer's disease. <i>PLoS ONE</i> , 2017, 12, e0185541.	2.5	56
38	Pathogenic Huntingtin Repeat Expansions in Patients with Frontotemporal Dementia and Amyotrophic Lateral Sclerosis. <i>Neuron</i> , 2021, 109, 448-460.e4.	8.1	56
39	A Clinicopathological Investigation of White Matter Hyperintensities and Alzheimer's Disease Neuropathology. <i>Journal of Alzheimer's Disease</i> , 2018, 63, 1347-1360.	2.6	55
40	Epigenome signatures landscaped by histone H3K9me3 are associated with the synaptic dysfunction in Alzheimer's disease. <i>Aging Cell</i> , 2020, 19, e13153.	6.7	53
41	Failure to detect an association between self-reported traumatic brain injury and Alzheimer's disease neuropathology and dementia. <i>Alzheimer's and Dementia</i> , 2019, 15, 686-698.	0.8	52
42	Astrocytic degeneration in chronic traumatic encephalopathy. <i>Acta Neuropathologica</i> , 2018, 136, 955-972.	7.7	51
43	Independent effects of white matter hyperintensities on cognitive, neuropsychiatric, and functional decline: a longitudinal investigation using the National Alzheimer's Coordinating Center Uniform Data Set. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 64.	6.2	47
44	Circulating Autoantibodies Recognize and Bind Dying Neurons Following Injury to the Brain. <i>Journal of Neuropathology and Experimental Neurology</i> , 2002, 61, 1100-1108.	1.7	43
45	Transcriptome analyses of chronic traumatic encephalopathy show alterations in protein phosphatase expression associated with tauopathy. <i>Experimental and Molecular Medicine</i> , 2017, 49, e333-e333.	7.7	41
46	Validity of the 2014 traumatic encephalopathy syndrome criteria for CTE pathology. <i>Alzheimer's and Dementia</i> , 2021, 17, 1709-1724.	0.8	41
47	Common proteomic profiles of induced pluripotent stem cell-derived three-dimensional neurons and brain tissue from Alzheimer patients. <i>Journal of Proteomics</i> , 2018, 182, 21-33.	2.4	40
48	CCL2 is associated with microglia and macrophage recruitment in chronic traumatic encephalopathy. <i>Journal of Neuroinflammation</i> , 2020, 17, 370.	7.2	40
49	Associations between brain inflammatory profiles and human neuropathology are altered based on apolipoprotein E $\epsilon$ 4 genotype. <i>Scientific Reports</i> , 2020, 10, 2924.	3.3	40
50	Pathologically Confirmed Chronic Traumatic Encephalopathy in a 25-Year-Old Former College Football Player. <i>JAMA Neurology</i> , 2016, 73, 353.	9.0	39
51	Variation in TMEM106B in chronic traumatic encephalopathy. <i>Acta Neuropathologica Communications</i> , 2018, 6, 115.	5.2	38
52	Evolution of neuronal and glial tau isoforms in chronic traumatic encephalopathy. <i>Brain Pathology</i> , 2020, 30, 913-925.	4.1	38
53	Tau isoforms are differentially expressed across the hippocampus in chronic traumatic encephalopathy and Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2021, 9, 86.	5.2	38
54	Late contributions of repetitive head impacts and TBI to depression symptoms and cognition. <i>Neurology</i> , 2020, 95, e793-e804.	1.1	37

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55	A longitudinal examination of plasma neurofilament light and total tau for the clinical detection and monitoring of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2020, 94, 60-70.	3.1	35
56	Early Selective Vulnerability of the CA2 Hippocampal Subfield in Primary Age-Related Tauopathy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021, 80, 102-111.	1.7	35
57	Incidence of and Mortality From Amyotrophic Lateral Sclerosis in National Football League Athletes. <i>JAMA Network Open</i> , 2021, 4, e2138801.	5.9	35
58	Amylin receptor ligands reduce the pathological cascade of Alzheimer's disease. <i>Neuropharmacology</i> , 2017, 119, 170-181.	4.1	34
59	Traumatic injury compromises nucleocytoplasmic transport and leads to TDP-43 pathology. <i>ELife</i> , 2021, 10, .	6.0	33
60	Cognitive Reserve as a Modifier of Clinical Expression in Chronic Traumatic Encephalopathy: A Preliminary Examination. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2017, 29, 6-12.	1.8	32
61	Chronic Traumatic Encephalopathy Within an Amyotrophic Lateral Sclerosis Brain Bank Cohort. <i>Journal of Neuropathology and Experimental Neurology</i> , 2018, 77, 1091-1100.	1.7	32
62	Predictors of cognitive impairment in primary age-related tauopathy: an autopsy study. <i>Acta Neuropathologica Communications</i> , 2021, 9, 134.	5.2	32
63	Quantitative validation of a nonlinear histology-MRI coregistration method using generalized Q-sampling imaging in complex human cortical white matter. <i>NeuroImage</i> , 2017, 153, 152-167.	4.2	31
64	Reduced interleukin 1A gene expression in the dorsolateral prefrontal cortex of individuals with PTSD and depression. <i>Neuroscience Letters</i> , 2019, 692, 204-209.	2.1	30
65	Cell-type-specific expression quantitative trait loci associated with Alzheimer disease in blood and brain tissue. <i>Translational Psychiatry</i> , 2021, 11, 250.	4.8	29
66	Integrative brain transcriptome analysis links complement component 4 and HSPA2 to the APOE $\epsilon$ 2 protective effect in Alzheimer disease. <i>Molecular Psychiatry</i> , 2021, 26, 6054-6064.	7.9	27
67	Association of <i>APOE</i> Genotypes and Chronic Traumatic Encephalopathy. <i>JAMA Neurology</i> , 2022, 79, 787.	9.0	27
68	Contact sport participation and chronic traumatic encephalopathy are associated with altered severity and distribution of cerebral amyloid angiopathy. <i>Acta Neuropathologica</i> , 2019, 138, 401-413.	7.7	26
69	Altered oligodendroglia and astroglia in chronic traumatic encephalopathy. <i>Acta Neuropathologica</i> , 2021, 142, 295-321.	7.7	26
70	Monomeric C-reactive protein via endothelial CD31 for neurovascular inflammation in an ApoE genotype-dependent pattern: A risk factor for Alzheimer's disease?. <i>Aging Cell</i> , 2021, 20, e13501.	6.7	25
71	Genetic Programming by the Proteolytic Fragments of the Amyloid Precursor Protein: Somewhere Between Confusion and Clarity. <i>Reviews in the Neurosciences</i> , 2003, 14, 317-41.	2.9	23
72	Cytokine Levels in Human Vitreous in Proliferative Diabetic Retinopathy. <i>Cells</i> , 2021, 10, 1069.	4.1	23

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73	Association of Cognitive Function with Amyloid- $\beta^2$ and Tau Proteins in the Vitreous Humor. <i>Journal of Alzheimer's Disease</i> , 2019, 68, 1429-1438.	2.6	22
74	Tau phosphorylation sites serine202 and serine396 are differently altered in chronic traumatic encephalopathy and Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2022, 18, 1511-1522.	0.8	22
75	Structural MRI profiles and tau correlates of atrophy in autopsy-confirmed CTE. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 193.	6.2	22
76	Entorhinal verrucae geometry is coincident and correlates with Alzheimer's lesions: a combined neuropathology and high-resolution ex vivo MRI analysis. <i>Acta Neuropathologica</i> , 2012, 123, 85-96.	7.7	21
77	Progression of tau pathology within cholinergic nucleus basalis neurons in chronic traumatic encephalopathy: A chronic effects of neurotrauma consortium study. <i>Brain Injury</i> , 2016, 30, 1399-1413.	1.2	21
78	Gene Profiling of Nucleus Basalis Tau Containing Neurons in Chronic Traumatic Encephalopathy: A Chronic Effects of Neurotrauma Consortium Study. <i>Journal of Neurotrauma</i> , 2018, 35, 1260-1271.	3.4	21
79	Characterization of Detergent Insoluble Proteome in Chronic Traumatic Encephalopathy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2018, 77, 40-49.	1.7	19
80	Association of probable REM sleep behavior disorder with pathology and years of contact sports play in chronic traumatic encephalopathy. <i>Acta Neuropathologica</i> , 2020, 140, 851-862.	7.7	19
81	Genome-wide association study and functional validation implicates JADE1 in tauopathy. <i>Acta Neuropathologica</i> , 2022, 143, 33-53.	7.7	19
82	Mid-life and late-life vascular risk factor burden and neuropathology in old age. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 2403-2412.	3.7	18
83	Plasma p-tau <sub>181</sub> shows stronger network association to Alzheimer's disease dementia than neurofilament light and total tau. <i>Alzheimer's and Dementia</i> , 2022, 18, 1523-1536.	0.8	18
84	A comparison between tau and amyloid- $\beta^2$ cerebrospinal fluid biomarkers in chronic traumatic encephalopathy and Alzheimer disease. <i>Alzheimer's Research and Therapy</i> , 2022, 14, 28.	6.2	16
85	The Department of Veterans Affairs Biorepository Brain Bank: A national resource for amyotrophic lateral sclerosis research. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2013, 14, 591-597.	1.7	15
86	Neuropathological profile of long-duration amyotrophic lateral sclerosis in military Veterans. <i>Brain Pathology</i> , 2020, 30, 1028-1040.	4.1	15
87	Ante-mortem plasma phosphorylated tau (181) predicts Alzheimer's disease neuropathology and regional tau at autopsy. <i>Brain</i> , 2022, 145, 3546-3557.	7.6	15
88	Alterations of transcriptome signatures in head trauma-related neurodegenerative disorders. <i>Scientific Reports</i> , 2020, 10, 8811.	3.3	14
89	Association Between Antemortem FLAIR White Matter Hyperintensities and Neuropathology in Brain Donors Exposed to Repetitive Head Impacts. <i>Neurology</i> , 2022, 98, .	1.1	14
90	Upregulation of Lysyl Oxidase Expression in Vitreous of Diabetic Subjects: Implications for Diabetic Retinopathy. <i>Cells</i> , 2019, 8, 1122.	4.1	13

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91	Neurofilament light chain in the vitreous humor of the eye. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 111.	6.2	13
92	Practical Considerations in the Diagnosis of Mild Chronic Traumatic Encephalopathy and Distinction From Age-Related Tau Astroglipathy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020, 79, 921-924.	1.7	12
93	Cortical degeneration in chronic traumatic encephalopathy and Alzheimer's disease neuropathologic change. <i>Neurological Sciences</i> , 2019, 40, 529-533.	1.9	10
94	Chronic Traumatic Encephalopathy and Neuropathological Comorbidities. <i>Seminars in Neurology</i> , 2020, 40, 384-393.	1.4	10
95	Protein and Imaging Biomarkers in the Eye for Early Detection of Alzheimer's Disease. <i>Journal of Alzheimer's Disease Reports</i> , 2021, 5, 375-387.	2.2	10
96	Trajectories of Cognitive Decline in Brain Donors With Autopsy-Confirmed Alzheimer Disease and Cerebrovascular Disease. <i>Neurology</i> , 2022, 98, .	1.1	10
97	Case 40-2011. <i>New England Journal of Medicine</i> , 2011, 365, 2520-2530.	27.0	9
98	The Role of Substance P in Pulmonary Clearance of Bacteria in Comparative Injury Models. <i>American Journal of Pathology</i> , 2016, 186, 3236-3245.	3.8	8
99	Authors' Response. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021, 80, 1008-1010.	1.7	8
100	Interface astrogliosis in contact sport head impacts and military blast exposure. <i>Acta Neuropathologica Communications</i> , 2022, 10, 52.	5.2	8
101	MicroRNA Alterations in Chronic Traumatic Encephalopathy and Amyotrophic Lateral Sclerosis. <i>Frontiers in Neuroscience</i> , 2022, 16, .	2.8	8
102	Pathological mechanism of lumbar disc herniation resulting in neurogenic muscle hypertrophy. <i>Journal of Clinical Neuroscience</i> , 2011, 18, 1682-1684.	1.5	6
103	Loss of MINAR2 impairs motor function and causes Parkinson's disease-like symptoms in mice. <i>Brain Communications</i> , 2020, 2, fcaa047.	3.3	6
104	Putative dendritic correlates of chronic traumatic encephalopathy: A preliminary quantitative Golgi exploration. <i>Journal of Comparative Neurology</i> , 2021, 529, 1308-1326.	1.6	6
105	A 34-Year-Old Man with Bitemporal Hemianopsia. <i>Brain Pathology</i> , 2014, 24, 107-110.	4.1	4
106	Revised Framingham Stroke Risk Profile: Association with Cognitive Status and MRI-Derived Volumetric Measures. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 1393-1408.	2.6	4
107	Glioblastoma and malignant melanoma: Serendipitous or anticipated association?. <i>Neuropathology</i> , 2021, 41, 65-71.	1.2	4
108	A proteomic network approach resolves stage-specific molecular phenotypes in chronic traumatic encephalopathy. <i>Molecular Neurodegeneration</i> , 2021, 16, 40.	10.8	4

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109	Re: The Second NINDS/NIBIB Consensus Meeting to Define Neuropathological Criteria for the Diagnosis of Chronic Traumatic Encephalopathy. J Neuropathol Exp Neurol 2021;80(3):210-219. Journal of Neuropathology and Experimental Neurology, 2021, 80, 1007-1008.	1.7	3
110	Pathology of Chronic Traumatic Encephalopathy. , 2018, , 19-38.		2
111	Reply to "Chronic Traumatic Encephalopathy and Primary Age-Related Tauopathy". Annals of Neurology, 2020, 88, 1052-1053.	5.3	2
112	The Department of Veterans Affairs Gulf War Veterans' Illnesses Biorepository: Supporting Research on Gulf War Veterans' Illnesses. Brain Sciences, 2021, 11, 1349.	2.3	2
113	Differential gene expression in the cortical sulcus compared to the gyral crest within the early stages of chronic traumatic encephalopathy. Free Neuropathology, 2021, 2, .	3.0	1
114	Effect of 6-fluoro-m-tyrosine on dopamine release and metabolism in rat striatum using in vivo microdialysis. Brain Research, 2000, 884, 192-195.	2.2	0
115	P2-034: Mechanistic pathobiology of acute concussion, traumatic brain injury, and chronic traumatic encephalopathy in mouse models of blast neurotrauma and impact concussion. , 2015, 11, P494-P494.		0
116	O5-03-06: The unite study: Understanding chronic traumatic encephalopathy through clinico-pathological correlation - methods and instructive cases. , 2015, 11, P321-P321.		0
117	P2-055: Early Chronic Traumatic Encephalopathy in Young Athletes After Concussive Closed-Head Impact Injury and Mouse Model of Impact Concussion. Alzheimer's and Dementia, 2016, 12, P628.	0.8	0
118	P3-297: CVD is Pathologically Associated with Greater Alzheimer's Disease in Non-Demented Older Adults. , 2016, 12, P954-P955.		0
119	[P3-127]: CONCUSSION, MICROVASCULAR INJURY, AND EARLY TAUOPATHY IN YOUNG ATHLETES AFTER IMPACT HEAD INJURY AND AN IMPACT CONCUSSION MOUSE MODE. Alzheimer's and Dementia, 2017, 13, P983.	0.8	0
120	Comorbid Pathology in Chronic Traumatic Encephalopathy. , 2018, , 91-99.		0
121	Alzheimer's disease heterogeneity explained by polygenic risk scores based on brain transcriptomic profiles. Alzheimer's and Dementia, 2021, 17, .	0.8	0
122	A comparison between tau and amyloid- $\beta$ cerebrospinal fluid biomarkers in chronic traumatic encephalopathy and Alzheimer disease. Alzheimer's and Dementia, 2021, 17, .	0.8	0
123	Domain specific cognitive functions predict neuropathological traits in the Framingham Heart Study.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e054249.	0.8	0
124	The relationship between first-degree family history of dementia, tau pathology and functional impairment among brain donors at risk for chronic traumatic encephalopathy.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e056349.	0.8	0
125	Utility of the <sc>ALSFRS</sc> for predicting <sc>ALS</sc> and comorbid disease neuropathology: The Veterans Affairs Biorepository Brain Bank. Muscle and Nerve, 2022, , .	2.2	0