

Charles R Harrington

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94
papers

4,003
citations

33
h-index

62
g-index

107
ext. papers

4,599
ext. citations

6.8
avg, IF

5.04
L-index

#	Paper	IF	Citations
94	Selective inhibition of Alzheimer disease-like tau aggregation by phenothiazines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 11213-8	11.5	427
93	Tau Protein Hyperphosphorylation and Aggregation in Alzheimer's Disease and Other Tauopathies, and Possible Neuroprotective Strategies. <i>Biomolecules</i> , 2016 , 6, 6	5.9	348
92	Efficacy and safety of tau-aggregation inhibitor therapy in patients with mild or moderate Alzheimer's disease: a randomised, controlled, double-blind, parallel-arm, phase 3 trial. <i>Lancet, The</i> , 2016 , 388, 2873-2884	4.0	214
91	Tau-aggregation inhibitor therapy for Alzheimer's disease. <i>Biochemical Pharmacology</i> , 2014 , 88, 529-39	6	183
90	Tau aggregation inhibitor therapy: an exploratory phase 2 study in mild or moderate Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2015 , 44, 705-20	4.3	168
89	Staging of cytoskeletal and beta-amyloid changes in human isocortex reveals biphasic synaptic protein response during progression of Alzheimer's disease. <i>American Journal of Pathology</i> , 2000 , 157, 623-36	5.8	165
88	Monoaminergic neuropathology in Alzheimer's disease. <i>Progress in Neurobiology</i> , 2017 , 151, 101-138	10.9	137
87	Lack of an association of estrogen receptor alpha gene polymorphisms and transcriptional activity with Alzheimer disease. <i>Archives of Neurology</i> , 2000 , 57, 236-40		133
86	Alzheimer's-disease-like changes in tau protein processing: association with aluminium accumulation in brains of renal dialysis patients. <i>Lancet, The</i> , 1994 , 343, 993-7	4.0	112
85	Neuropathological findings in the very old. Results from the first 101 brains of a population-based longitudinal study of dementing disorders. <i>Annals of the New York Academy of Sciences</i> , 2000 , 903, 490-6	6.5	102
84	Staging the pathological assembly of truncated tau protein into paired helical filaments in Alzheimer's disease. <i>Acta Neuropathologica</i> , 1996 , 91, 633-41	14.3	101
83	Association between Alzheimer's disease and the NOS3 gene. <i>Annals of Neurology</i> , 1999 , 46, 664-7	9.4	94
82	Potential of Low Dose Leuco-Methylthioninium Bis(Hydromethanesulphonate) (LMTM) Monotherapy for Treatment of Mild Alzheimer's Disease: Cohort Analysis as Modified Primary Outcome in a Phase III Clinical Trial. <i>Journal of Alzheimer's Disease</i> , 2018 , 61, 435-457	4.3	91
81	Loss of synaptic but not cytoskeletal proteins in the cerebellum of chronic schizophrenics. <i>Neuroscience Letters</i> , 2002 , 317, 161-5	3.3	76
80	Complex disposition of methylthioninium redox forms determines efficacy in tau aggregation inhibitor therapy for Alzheimer's disease. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015 , 352, 110-8	4.7	75
79	Methylthioninium chloride reverses cognitive deficits induced by scopolamine: comparison with rivastigmine. <i>Psychopharmacology</i> , 2009 , 202, 53-65	4.7	72
78	Measurement of distinct immunochemical presentations of tau protein in Alzheimer disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 5842-6	11.5	68

77	Evolution of a homopurine-homopyrimidine pentanucleotide repeat sequence upstream of the human inducible nitric oxide synthase gene. <i>Gene</i> , 1997 , 204, 165-70	3.8	67
76	Lowry protein assay containing sodium dodecyl sulfate in microtiter plates for protein determinations on fractions from brain tissue. <i>Analytical Biochemistry</i> , 1990 , 186, 285-7	3.1	63
75	Two actin binding proteins, actin depolymerizing factor and cofilin, are associated with Hirano bodies. <i>NeuroReport</i> , 1995 , 6, 1985-8	1.7	61
74	Cellular Models of Aggregation-dependent Template-directed Proteolysis to Characterize Tau Aggregation Inhibitors for Treatment of Alzheimer Disease. <i>Journal of Biological Chemistry</i> , 2015 , 290, 10862-75	5.4	59
73	Examination of the validity of the hierarchical model of neuropathological staging in normal aging and Alzheimer's disease. <i>Acta Neuropathologica</i> , 1998 , 95, 154-8	14.3	57
72	Effects of oxidized and reduced forms of methylthionium in two transgenic mouse tauopathy models. <i>Behavioural Pharmacology</i> , 2015 , 26, 353-68	2.4	53
71	Quantitative analysis of tau protein in paired helical filament preparations: implications for the role of tau protein phosphorylation in PHF assembly in Alzheimer's disease. <i>Neurobiology of Aging</i> , 1995 , 16, 409-17; discussion 418-31	5.6	53
70	Evaluation of polymorphisms in the presenilin-1 gene and the butyrylcholinesterase gene as risk factors in sporadic Alzheimer's disease. <i>European Journal of Human Genetics</i> , 1999 , 7, 659-63	5.3	52
69	Accumulation of C-terminally truncated tau protein associated with vulnerability of the perforant pathway in early stages of neurofibrillary pathology in Alzheimer's disease. <i>Journal of Chemical Neuroanatomy</i> , 2001 , 22, 65-77	3.2	47
68	Alzheimer's Disease-like Paired Helical Filament Assembly from Truncated Tau Protein Is Independent of Disulfide Crosslinking. <i>Journal of Molecular Biology</i> , 2017 , 429, 3650-3665	6.5	40
67	The molecular pathology of Alzheimer's disease. <i>Neuroimaging Clinics of North America</i> , 2012 , 22, 11-22, vii	3	40
66	Examination of phosphorylated tau protein as a PHF-precursor at early stage Alzheimer's disease. <i>Neurobiology of Aging</i> , 1995 , 16, 433-45	5.6	36
65	Immunohistochemical staging of neurofibrillary degeneration in Alzheimer's disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 1994 , 53, 158-64	3.1	34
64	Biosynthesis of wall teichoic acids in <i>Staphylococcus aureus</i> H, <i>Micrococcus varians</i> and <i>Bacillus subtilis</i> W23. Involvement of lipid intermediates containing the disaccharide N-acetylmannosaminy N-acetylglucosamine. <i>FEBS Journal</i> , 1985 , 153, 639-45		34
63	The role of the Maillard reaction in other pathologies: Alzheimer's disease. <i>Nephrology Dialysis Transplantation</i> , 1996 , 11 Suppl 5, 7-12	4.3	33
62	Thiazin red as a neuropathological tool for the rapid diagnosis of Alzheimer's disease in tissue imprints. <i>Acta Neuropathologica</i> , 2008 , 116, 507-15	14.3	33
61	The relationship between truncation and phosphorylation at the C-terminus of tau protein in the paired helical filaments of Alzheimer's disease. <i>Frontiers in Neuroscience</i> , 2015 , 9, 33	5.1	32
60	The relationship between clinical dementia and neuropathological staging (Braak) in a very elderly community sample. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 1996 , 246, 132-6	5.1	31

59	Presenilin-1 intron 8 polymorphism is not associated with autopsy-confirmed late-onset Alzheimer's disease. <i>Neuroscience Letters</i> , 1997 , 222, 68-9	3.3	30
58	Lewy body variant of Alzheimer's disease: selective neocortical loss of t-SNARE proteins and loss of MAP2 and alpha-synuclein in medial temporal lobe. <i>Scientific World Journal, The</i> , 2009 , 9, 1463-75	2.2	28
57	Competitive ELISA for the measurement of tau protein in Alzheimer's disease. <i>Journal of Immunological Methods</i> , 1990 , 134, 261-71	2.5	27
56	Different pathways of molecular pathophysiology underlie cognitive and motor tauopathy phenotypes in transgenic models for Alzheimer's disease and frontotemporal lobar degeneration. <i>Cellular and Molecular Life Sciences</i> , 2015 , 72, 2199-222	10.3	26
55	Calcyclin binding protein and Siah-1 interacting protein in Alzheimer's disease pathology: neuronal localization and possible function. <i>Neurobiology of Aging</i> , 2013 , 34, 1380-8	5.6	25
54	The Neurovascular Unit Dysfunction in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	25
53	The CCTTT polymorphism in the NOS2A gene is associated with dementia with Lewy bodies. <i>NeuroReport</i> , 2000 , 11, 297-9	1.7	23
52	Glycation. <i>NeuroReport</i> , 1994 , 5, 859-861	1.7	23
51	Microsatellite polymorphism of the alpha 1-antichymotrypsin gene locus associated with sporadic Alzheimer's disease. <i>Human Genetics</i> , 1997 , 99, 27-31	6.3	22
50	Tau (297-391) forms filaments that structurally mimic the core of paired helical filaments in Alzheimer's disease brain. <i>FEBS Letters</i> , 2020 , 594, 944-950	3.8	22
49	Absence of abnormal hyperphosphorylation of tau in intracellular tangles in Alzheimer's disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 1995 , 54, 657-63	3.1	20
48	Modeling Prion-Like Processing of Tau Protein in Alzheimer's Disease for Pharmaceutical Development. <i>Journal of Alzheimer's Disease</i> , 2018 , 62, 1287-1303	4.3	18
47	A Protein Aggregation Inhibitor, Leuco-Methylthionium Bis(Hydromethanesulfonate), Decreases β Synuclein Inclusions in a Transgenic Mouse Model of Synucleinopathy. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 447	6.1	16
46	Cysteine-Independent Inhibition of Alzheimer's Disease-like Paired Helical Filament Assembly by Leuco-Methylthionium (LMT). <i>Journal of Molecular Biology</i> , 2018 , 430, 4119-4131	6.5	15
45	Alpha-Synuclein transgenic mice, h- β SynL62, display β Syn aggregation and a dopaminergic phenotype reminiscent of Parkinson's disease. <i>Behavioural Brain Research</i> , 2018 , 339, 153-168	3.4	15
44	Alterations in tau protein metabolism during normal aging. <i>Dementia and Geriatric Cognitive Disorders</i> , 1996 , 7, 95-103	2.6	14
43	Senile dementia of Lewy body type and Alzheimer type are biochemically distinct in terms of paired helical filaments and hyperphosphorylated tau protein. <i>Dementia and Geriatric Cognitive Disorders</i> , 1994 , 5, 215-28	2.6	14
42	Elucidating the Neuropathologic Mechanisms of SARS-CoV-2 Infection. <i>Frontiers in Neurology</i> , 2021 , 12, 660087	4.1	14

41	Absence of a Role for Phosphorylation in the Tau Pathology of Alzheimer's Disease. <i>Biomolecules</i> , 2016 , 6,	5.9	14
40	Concentration-Dependent Activity of Hydromethylthionine on Cognitive Decline and Brain Atrophy in Mild to Moderate Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019 , 72, 931-946	4.3	13
39	Apolipoprotein E genotype in the prediction of cognitive decline and dementia in a prospectively studied elderly population. <i>Dementia and Geriatric Cognitive Disorders</i> , 1996 , 7, 169-74	2.6	12
38	Concentration-Dependent Activity of Hydromethylthionine on Clinical Decline and Brain Atrophy in a Randomized Controlled Trial in Behavioral Variant Frontotemporal Dementia. <i>Journal of Alzheimer's Disease</i> , 2020 , 75, 501-519	4.3	11
37	Presence of the apolipoprotein E type epsilon 4 allele is not associated with neurofibrillary pathology or biochemical changes to tau protein. <i>Dementia and Geriatric Cognitive Disorders</i> , 1997 , 8, 288-95	2.6	11
36	Inhibitors of the Maillard Reaction. <i>CNS Drugs</i> , 1996 , 6, 167-177	6.7	8
35	Mechanisms of Anticholinesterase Interference with Tau Aggregation Inhibitor Activity in a Tau-Transgenic Mouse Model. <i>Current Alzheimer Research</i> , 2020 , 17, 285-296	3	7
34	PHF-Core Tau as the Potential Initiating Event for Tau Pathology in Alzheimer's Disease. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 247	6.1	7
33	Aluminium, tau protein, and Alzheimer's disease. <i>Lancet, The</i> , 1994 , 344, 204-5	4.0	6
32	Insoluble Vascular Amyloid Deposits Trigger Disruption of the Neurovascular Unit in Alzheimer's Disease Brains. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
31	Cholinergic and inflammatory phenotypes in transgenic tau mouse models of Alzheimer's disease and frontotemporal lobar degeneration. <i>Brain Communications</i> , 2020 , 2, fcaa033	4.5	5
30	Characteristics of neuronal lipofuscin in the superior temporal gyrus in Alzheimer's disease do not differ from non-diseased controls: a comparison with disease-related changes in the superior frontal gyrus. <i>Acta Neuropathologica</i> , 2005 , 109, 490-6	14.3	5
29	Aluminosilicate particulate and beta-amyloid in vitro interactions: a model of Alzheimer plaque formation. <i>Biochemical Society Transactions</i> , 1998 , 26, S251	5.1	5
28	Paired Helical Filament-Forming Region of Tau (297-391) Influences Endogenous Tau Protein and Accumulates in Acidic Compartments in Human Neuronal Cells. <i>Journal of Molecular Biology</i> , 2020 , 432, 4891-4907	6.5	5
27	Increased Cholinergic Response in Eynuclein Transgenic Mice (h-EynL62). <i>ACS Chemical Neuroscience</i> , 2019 , 10, 1915-1922	5.7	5
26	Phospho-Tau Protein Expression in the Cell Cycle of SH-SY5Y Neuroblastoma Cells: A Morphological Study. <i>Journal of Alzheimer's Disease</i> , 2019 , 71, 631-645	4.3	4
25	Characterisation of an epitope specific to the neuron-specific isoform of human enolase recognised by a monoclonal antibody raised against a synthetic peptide corresponding to the C-terminus of beta/A4-protein. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1993 , 1158, 120-8	4	4
24	Structure, biochemistry and molecular pathogenesis of paired helical filaments in Alzheimer's disease 1995 , 9-II		4

23	Assays for the Screening and Characterization of Tau Aggregation Inhibitors. <i>Methods in Molecular Biology</i> , 2017 , 1523, 129-140	1.4	3
22	Analysis of the Relationship Between Metalloprotease-9 and Tau Protein in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020 , 76, 553-569	4.3	3
21	Characterisation of an antibody relevant to the neuropathology of Alzheimer disease. <i>Alzheimer Disease and Associated Disorders</i> , 1995 , 9, 47-51	2.5	3
20	Oxidative Stress Conditions Result in Trapping of PHF-Core Tau (297-391) Intermediates. <i>Cells</i> , 2021 , 10,	7.9	3
19	O4-08-02: Phase 3 Trial of the TAU Aggregation Inhibitor Leuco-Methylthioninium-Bis (Hydromethanesulfonate) (Lmtm) in Mild to Moderate Alzheimer's Disease 2016 , 12, P351-P352		3
18	Stripline resonator and preamplifier for preclinical magnetic resonance imaging at 4.7 T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2011 , 24, 331-7	2.8	2
17	Chapter 11:Rationale for Tau-Aggregation Inhibitor Therapy in Alzheimer's Disease and Other Tauopathies. <i>RSC Drug Discovery Series</i> , 2010 , 210-232	0.6	2
16	Changes in a CSF antigen associated with dementia. <i>Dementia and Geriatric Cognitive Disorders</i> , 1995 , 6, 281-5	2.6	2
15	The impact of genetic and environmental factors on the pathobiology of Alzheimer's disease: a multifactorial disorder?. <i>International Review of Psychiatry</i> , 1995 , 7, 361-383	3.6	2
14	Authors' response to commentaries. <i>Neurobiology of Aging</i> , 1995 , 16, 423-431	5.6	2
13	Presence of axonal paired helical filament-tau in Alzheimer's disease: submicroscopic localization. <i>Journal of Neuroscience Research</i> , 1994 , 38, 664-9	4.4	2
12	Regional Distribution of Paired Helical Filaments and Normal Tau Proteins in Aging and in Alzheimer's Disease with and without Occipital Lobe Involvement. <i>Dementia and Geriatric Cognitive Disorders</i> , 1992 , 3, 61-69	2.6	2
11	Current Progress and Future Directions for Tau-Based Fluid Biomarker Diagnostics in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
10	Molecular Processing of Tau Protein in Progressive Supranuclear Palsy: Neuronal and Glial Degeneration. <i>Journal of Alzheimer's Disease</i> , 2021 , 79, 1517-1531	4.3	2
9	National Dementia BioBank: A Strategy for the Diagnosis and Study of Neurodegenerative Diseases in Mexico. <i>Journal of Alzheimer's Disease</i> , 2020 , 76, 853-862	4.3	1
8	Inhibition of Tau Aggregation as a Basis for Treatment and Prevention of Alzheimer's Disease 2016 , 385-436		1
7	The Aetiology of Alzheimer's Disease: Diverse Routes into a Common Tau Pathway 2001 , 97-132		1
6	Molecular determinants of paired helical filament assembly and its therapeutic implications in Alzheimer's disease. <i>International Review of Psychiatry</i> , 1995 , 7, 299-338	3.6	1

- 5 Differential compartmental processing and phosphorylation of pathogenic human tau and native mouse tau in the line 66 model of frontotemporal dementia. *Journal of Biological Chemistry*, **2020**, 295, 18508-18523 5.4 ○
- 4 Long-Term Hydromethylthionine Treatment Is Associated with Delayed Clinical Onset and Slowing of Cerebral Atrophy in a Pre-Symptomatic P301S MAPT Mutation Carrier. *Journal of Alzheimer's Disease*, **2021**, 83, 1017-1023 4.3 ○
- 3 Amyloid fibril formation. *Nature Biotechnology*, **1994**, 12, 848-849 44.5
- 2 Degeneration of basal and limbic networks is a core feature of behavioural variant frontotemporal dementia.. *Brain Communications*, **2021**, 3, fcab241 4.5
- 1 Tau Protein Phosphorylated at Threonine-231 is Expressed Abundantly in the Cerebellum in Prion Encephalopathies. *Journal of Alzheimer's Disease*, **2021**, 81, 769-785 4.3