Claire Troakes

List of Publications by Year in descending order

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104 papers	9,754 citations	46918 47 h-index	42291 92 g-index
109 all docs	109 docs citations	109 times ranked	13890 citing authors

#	Article	IF	Citations
1	Clinical diagnosis of progressive supranuclear palsy: The movement disorder society criteria. Movement Disorders, 2017, 32, 853-864.	2.2	1,402
2	Genome-wide Analyses Identify KIF5A as a Novel ALS Gene. Neuron, 2018, 97, 1268-1283.e6.	3.8	517
3	Methylomic profiling implicates cortical deregulation of ANK1 in Alzheimer's disease. Nature Neuroscience, 2014, 17, 1164-1170.	7.1	488
4	Hexanucleotide Repeats in ALS/FTD Form Length-Dependent RNA Foci, Sequester RNA Binding Proteins, and Are Neurotoxic. Cell Reports, 2013, 5, 1178-1186.	2.9	419
5	The genetics and neuropathology of amyotrophic lateral sclerosis. Acta Neuropathologica, 2012, 124, 339-352.	3.9	346
6	Exome-wide Rare Variant Analysis Identifies TUBA4A Mutations Associated with Familial ALS. Neuron, 2014, 84, 324-331.	3.8	308
7	Methylation QTLs in the developing brain and their enrichment in schizophrenia risk loci. Nature Neuroscience, 2016, 19, 48-54.	7.1	306
8	Plasma p-tau231: a new biomarker for incipient Alzheimerâ€™s disease pathology. Acta Neuropathologica, 2021, 141, 709-724.	3.9	285
9	NEK1 variants confer susceptibility to amyotrophic lateral sclerosis. Nature Genetics, 2016, 48, 1037-1042.	9.4	218
10	Distribution patterns of tau pathology in progressive supranuclear palsy. Acta Neuropathologica, 2020, 140, 99-119.	3.9	210
11	Plasma p-tau181 accurately predicts Alzheimerâ€™s disease pathology at least 8Âyears prior to post-mortem and improves the clinical characterisation of cognitive decline. Acta Neuropathologica, 2020, 140, 267-278.	3.9	209
12	The C9ORF72 expansion mutation is a common cause of ALS+/â€’FTD in Europe and has a single founder. European Journal of Human Genetics, 2013, 21, 102-108.	1.4	201
13	Genome sequencing analysis identifies new loci associated with Lewy body dementia and provides insights into its genetic architecture. Nature Genetics, 2021, 53, 294-303.	9.4	198
14	Investigating the genetic architecture of dementia with Lewy bodies: a two-stage genome-wide association study. Lancet Neurology, The, 2018, 17, 64-74.	4.9	195
15	Aluminium in brain tissue in familial Alzheimerâ€™s disease. Journal of Trace Elements in Medicine and Biology, 2017, 40, 30-36.	1.5	182
16	Genetic analysis implicates APOE, SNCA and suggests lysosomal dysfunction in the etiology of dementia with Lewy bodies. Human Molecular Genetics, 2014, 23, 6139-6146.	1.4	178
17	Elevated DNA methylation across a 48â€kb region spanning the HOXA gene cluster is associated with Alzheimer's disease neuropathology. Alzheimer's and Dementia, 2018, 14, 1580-1588.	0.4	138
18	A histone acetylome-wide association study of Alzheimerâ€™s disease identifies disease-associated H3K27ac differences in the entorhinal cortex. Nature Neuroscience, 2018, 21, 1618-1627.	7.1	138

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19	Mutations in the vesicular trafficking protein annexin A11 are associated with amyotrophic lateral sclerosis. Science Translational Medicine, 2017, 9, .	5.8	129
20	Increased plasma neurofilament light chain concentration correlates with severity of post-mortem neurofibrillary tangle pathology and neurodegeneration. Acta Neuropathologica Communications, 2019, 7, 5.	2.4	125
21	Which ante mortem clinical features predict progressive supranuclear palsy pathology?. Movement Disorders, 2017, 32, 995-1005.	2.2	121
22	In vitro prion-like behaviour of TDP-43 in ALS. Neurobiology of Disease, 2016, 96, 236-247.	2.1	118
23	Cross-region reduction in 5-hydroxymethylcytosine in Alzheimer's disease brain. Neurobiology of Aging, 2014, 35, 1850-1854.	1.5	114
24	An MND/ALS phenotype associated with C9orf72 repeat expansion: Abundant p62â€positive, TDPâ€43â€negative inclusions in cerebral cortex, hippocampus and cerebellum but without associated cognitive decline. Neuropathology, 2012, 32, 505-514.	0.7	110
25	Upregulation of calpain activity precedes tau phosphorylation and loss of synaptic proteins in Alzheimerâ€™s disease brain. Acta Neuropathologica Communications, 2016, 4, 34.	2.4	100
26	Invited Review: The spectrum of neuropathology in COVIDâ€19. Neuropathology and Applied Neurobiology, 2021, 47, 3-16.	1.8	99
27	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.	4.9	97
28	How to apply the movement disorder society criteria for diagnosis of progressive supranuclear palsy. Movement Disorders, 2019, 34, 1228-1232.	2.2	93
29	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.	3.9	90
30	Novel mutations support a role for Profilin 1 in the pathogenesis of ALS. Neurobiology of Aging, 2015, 36, 1602.e17-1602.e27.	1.5	87
31	ATXN2 trinucleotide repeat length correlates with risk of ALS. Neurobiology of Aging, 2017, 51, 178.e1-178.e9.	1.5	86
32	Parallel profiling of DNA methylation and hydroxymethylation highlights neuropathology-associated epigenetic variation in Alzheimerâ€™s disease. Clinical Epigenetics, 2019, 11, 52.	1.8	84
33	Variation in 5-hydroxymethylcytosine across human cortex and cerebellum. Genome Biology, 2016, 17, 27.	3.8	83
34	Mitochondrial DNA point mutations and relative copy number in 1363 disease and control human brains. Acta Neuropathologica Communications, 2017, 5, 13.	2.4	83
35	Dipeptide repeat protein inclusions are rare in the spinal cord and almost absent from motor neurons in C9ORF72 mutant amyotrophic lateral sclerosis and are unlikely to cause their degeneration. Acta Neuropathologica Communications, 2015, 3, 38.	2.4	80
36	Genome-wide analysis of genetic correlation in dementia with Lewy bodies, Parkinson's and Alzheimer's diseases. Neurobiology of Aging, 2016, 38, 214.e7-214.e10.	1.5	78

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37	Amyotrophic lateral sclerosis-like superoxide dismutase 1 proteinopathy is associated with neuronal loss in Parkinsonâ€™s disease brain. Acta Neuropathologica, 2017, 134, 113-127.	3.9	78
38	A feedback loop between dipeptide-repeat protein, TDP-43 and karyopherin-Î± mediates C9orf72-related neurodegeneration. Brain, 2018, 141, 2908-2924.	3.7	75
39	Schizophrenia-associated methylomic variation: molecular signatures of disease and polygenic risk burden across multiple brain regions. Human Molecular Genetics, 2017, 26, ddw373.	1.4	74
40	Transcriptomic analysis of probable asymptomatic and symptomatic alzheimer brains. Brain, Behavior, and Immunity, 2019, 80, 644-656.	2.0	72
41	Genome-wide DNA methylation profiling identifies convergent molecular signatures associated with idiopathic and syndromic autism in post-mortem human brain tissue. Human Molecular Genetics, 2019, 28, 2201-2211.	1.4	70
42	C9orf72 poly GA RAN-translated protein plays a key role in amyotrophic lateral sclerosis via aggregation and toxicity. Human Molecular Genetics, 2017, 26, 4765-4777.	1.4	64
43	Neurodegeneration in frontotemporal lobar degeneration and motor neurone disease associated with expansions in C9orf72 is linked to TDPâ€43 pathology and not associated with aggregated forms of dipeptide repeat proteins. Neuropathology and Applied Neurobiology, 2016, 42, 242-254.	1.8	61
44	A cross-brain regions study of ANK1 DNA methylation in different neurodegenerative diseases. Neurobiology of Aging, 2019, 74, 70-76.	1.5	58
45	On the identification of low allele frequency mosaic mutations in the brains of Alzheimer's disease patients. Alzheimer's and Dementia, 2015, 11, 1265-1276.	0.4	57
46	Neuropathology of the hippocampus in FTLDâ€Tau with Pick bodies: a study of the BrainNet Europe Consortium. Neuropathology and Applied Neurobiology, 2013, 39, 166-178.	1.8	54
47	Epigenomic and transcriptomic signatures of a Klinefelter syndrome (47,XXY) karyotype in the brain. Epigenetics, 2014, 9, 587-599.	1.3	53
48	Proteomic analyses reveal that loss of TDP-43 affects RNA processing and intracellular transport. Neuroscience, 2015, 293, 157-170.	1.1	52
49	Alzheimer-related decrease in CYFIP2 links amyloid production to tau hyperphosphorylation and memory loss. Brain, 2016, 139, 2751-2765.	3.7	52
50	C9orf72 intermediate repeats are associated with corticobasal degeneration, increased C9orf72 expression and disruption of autophagy. Acta Neuropathologica, 2019, 138, 795-811.	3.9	50
51	The Identification of Aluminum in Human Brain Tissue Using Lumogallion and Fluorescence Microscopy. Journal of Alzheimer's Disease, 2016, 54, 1333-1338.	1.2	48
52	Copathology in Progressive Supranuclear Palsy: Does It Matter?. Movement Disorders, 2020, 35, 984-993.	2.2	48
53	Retention of hexanucleotide repeat-containing intron in C9orf72 mRNA: implications for the pathogenesis of ALS/FTD. Acta Neuropathologica Communications, 2016, 4, 18.	2.4	46
54	Genetic compendium of 1511 human brains available through the UK Medical Research Council Brain Banks Network Resource. Genome Research, 2017, 27, 165-173.	2.4	44

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55	The Increased Densities, But Different Distributions, of Both C3 and S100A10 Immunopositive Astrocyte-Like Cells in Alzheimerâ€™s Disease Brains Suggest Possible Roles for Both A1 and A2 Astrocytes in the Disease Pathogenesis. Brain Sciences, 2020, 10, 503.	1.1	43
56	The Psychiatric Risk Gene NT5C2 Regulates Adenosine Monophosphate-Activated Protein Kinase Signaling and Protein Translation in Human Neural Progenitor Cells. Biological Psychiatry, 2019, 86, 120-130.	0.7	42
57	Genomeâ€wide significant schizophrenia risk variation on chromosome 10q24 is associated with altered cisâ€regulation of BORCS7, AS3MT, and NT5C2 in the human brain. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2016, 171, 806-814.	1.1	41
58	Disruption of endoplasmic reticulum-mitochondria tethering proteins in post-mortem Alzheimer's disease brain. Neurobiology of Disease, 2020, 143, 105020.	2.1	41
59	ABCA7 p.G215S as potential protective factor for Alzheimer's disease. Neurobiology of Aging, 2016, 46, 235.e1-235.e9.	1.5	37
60	Validation of the Movement Disorder Society Criteria for the Diagnosis of 4â€Repeat Tauopathies. Movement Disorders, 2020, 35, 171-176.	2.2	37
61	Symmetric dimethylation of poly-GR correlates with disease duration in C9orf72 FTLD and ALS and reduces poly-GR phase separation and toxicity. Acta Neuropathologica, 2020, 139, 407-410.	3.9	36
62	Evidence that the presynaptic vesicle protein CSPalpha is a key player in synaptic degeneration and protection in Alzheimerâ€™s disease. Molecular Brain, 2015, 8, 6.	1.3	34
63	Tau deposition patterns are associated with functional connectivity in primary tauopathies. Nature Communications, 2022, 13, 1362.	5.8	34
64	Comparison of clinical and neuropathological diagnoses of neurodegenerative diseases in two centres from the Brains for Dementia Research (BDR) cohort. Journal of Neural Transmission, 2019, 126, 327-337.	1.4	33
65	Tissue-specific patterns of allelically-skewed DNA methylation. Epigenetics, 2016, 11, 24-35.	1.3	32
66	Heritability and genetic variance of dementia with Lewy bodies. Neurobiology of Disease, 2019, 127, 492-501.	2.1	29
67	Exome sequencing identifies 2 novel presenilin 1 mutations (p.L166V and p.S230R) in British early-onset Alzheimer's disease. Neurobiology of Aging, 2014, 35, 2422.e13-2422.e16.	1.5	28
68	Transportin 1 colocalization with Fused in Sarcoma (FUS) inclusions is not characteristic for amyotrophic lateral sclerosisâ€FUS confirming disrupted nuclear import of mutant FUS and distinguishing it from frontotemporal lobar degeneration with FUS inclusions. Neuropathology and Applied Neurobiology, 2013, 39, 553-561.	1.8	27
69	Analysis of neurodegenerative disease-causing genes in dementia with Lewy bodies. Acta Neuropathologica Communications, 2020, 8, 5.	2.4	27
70	Clusterin expression is upregulated following acute head injury and localizes to astrocytes in old head injury. Neuropathology, 2017, 37, 12-24.	0.7	24
71	ALS-FUS pathology revisited: singleton FUS mutations and an unusual case with both a FUS and TARDBP mutation. Acta Neuropathologica Communications, 2015, 3, 62.	2.4	22
72	The Neuropathological Diagnosis of Alzheimerâ€™s Diseaseâ€”The Challenges of Pathological Mimics and Concomitant Pathology. Brain Sciences, 2020, 10, 479.	1.1	22

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73	Clinical Conditions â€œSuggestive of Progressive Supranuclear Palsyâ€â€”Diagnostic Performance. Movement Disorders, 2020, 35, 2301-2313.	2.2	22
74	Gammaâ€synuclein pathology in amyotrophic lateral sclerosis. Annals of Clinical and Translational Neurology, 2015, 2, 29-37.	1.7	21
75	Frequency and signature of somatic variants in 1461 human brain exomes. Genetics in Medicine, 2019, 21, 904-912.	1.1	20
76	The CHCHD10 P34S variant is not associated with ALS in a UK cohort of familial and sporadic patients. Neurobiology of Aging, 2015, 36, 2908.e17-2908.e18.	1.5	19
77	Extended post-mortem delay times should not be viewed as a deterrent to the scientific investigation of human brain tissue: a study from the Brains for Dementia Research Network Neuropathology Study Group, UK. Acta Neuropathologica, 2016, 132, 753-755.	3.9	18
78	Bridging integrator 1 protein loss in Alzheimerâ€™s disease promotes synaptic tau accumulation and disrupts tau release. Brain Communications, 2020, 2, .	1.5	18
79	A comparison of mitochondrial DNA isolation methods in frozen post-mortem human brain tissueâ€”applications for studies of mitochondrial genetics in brain disorders. BioTechniques, 2015, 59, 241-246.	0.8	17
80	Oligogenic genetic variation of neurodegenerative disease genes in 980 postmortem human brains. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 813-816.	0.9	17
81	Genetic evaluation of dementia with Lewy bodies implicates distinct disease subgroups. Brain, 2022, 145, 1757-1762.	3.7	17
82	Assessment of the degree of asymmetry of pathological features in neurodegenerative diseases. What is the significance for brain banks?. Journal of Neural Transmission, 2015, 122, 1499-1508.	1.4	16
83	Striking phenotypic variation in a family with the P506S UBQLN2 mutation including amyotrophic lateral sclerosis, spastic paraplegia, and frontotemporal dementia. Neurobiology of Aging, 2019, 73, 229.e5-229.e9.	1.5	16
84	Multisystem screening reveals <scp>SARSâ€CoV</scp>â€2 in neurons of the myenteric plexus and in megakaryocytes. Journal of Pathology, 2022, 257, 198-217.	2.1	16
85	Astrocytic Câ€“Xâ€“C motif chemokine ligand-1 mediates Î²-amyloid-induced synaptotoxicity. Journal of Neuroinflammation, 2021, 18, 306.	3.1	16
86	Cytoplasmic TDP-43 is involved in cell fate during stress recovery. Human Molecular Genetics, 2021, 31, 166-175.	1.4	15
87	SCFD1 expression quantitative trait loci in amyotrophic lateral sclerosis are differentially expressed. Brain Communications, 2021, 3, fcab236.	1.5	14
88	Heterogeneous Nuclear Ribonucleoprotein E2 (hnRNP E2) Is a Component of TDP-43 Aggregates Specifically in the A and C Pathological Subtypes of Frontotemporal Lobar Degeneration. Frontiers in Neuroscience, 2019, 13, 551.	1.4	13
89	A comprehensive screening of copy number variability in dementia with Lewy bodies. Neurobiology of Aging, 2019, 75, 223.e1-223.e10.	1.5	13
90	A HML6 endogenous retrovirus on chromosome 3 is upregulated in amyotrophic lateral sclerosis motor cortex. Scientific Reports, 2021, 11, 14283.	1.6	13

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91	Analysis of C9orf72 repeat expansions in a large international cohort of dementia with Lewy bodies. Neurobiology of Aging, 2017, 49, 214.e13-214.e15.	1.5	12
92	<scp>APOE</scp> Îµ4 is also required in <scp>TREM</scp>2 R47H variant carriers for Alzheimer's disease to develop. Neuropathology and Applied Neurobiology, 2019, 45, 183-186.	1.8	12
93	The histone modification H3K4me3 is altered at the ANK1 locus in Alzheimer's disease brain. Future Science OA, 2021, 7, FSO665.	0.9	10
94	Lack of association between TDP-43 pathology and tau mis-splicing in Alzheimer's disease. Neurobiology of Aging, 2016, 37, 45-46.	1.5	8
95	Unusual neuropathological features and increased brain aluminium in a resident of Camelford, UK. Neuropathology and Applied Neurobiology, 2017, 43, 537-541.	1.8	8
96	Spinal cord injury as an indicator of abuse in forensic assessment of abusive head trauma (AHT). International Journal of Legal Medicine, 2021, 135, 1481-1498.	1.2	8
97	Frequency and methylation status of selected retrotransposition competent L1 loci in amyotrophic lateral sclerosis. Molecular Brain, 2020, 13, 154.	1.3	7
98	No Effect of Genome-Wide Significant Schizophrenia Risk Variation at the <i>DRD2</i> Locus on the Allelic Expression of <i>DRD2</i> in Postmortem Striatum. Molecular Neuropsychiatry, 2019, 5, 212-217.	3.0	4
99	Axonal injury is detected by Î²APP immunohistochemistry in rapid death from head injury following road traffic collision. International Journal of Legal Medicine, 2022, 136, 1321-1339.	1.2	3
100	A pathologically confirmed case of combined amyotrophic lateral sclerosis with C9orf72 mutation and multiple system atrophy. Neuropathology, 0, , .	0.7	3
101	Plasma pâ€tau181 accurately predicts Alzheimerâ€™s disease pathology at least 8 years prior to postâ€mortem and improves the clinical characterisation of cognitive decline. Alzheimer's and Dementia, 2020, 16, e047539.	0.4	2
102	O3-04-03: CROSS-TISSUE METHYLOMIC PROFILING IN ALZHEIMER'S DISEASE. , 2014, 10, P215-P215.		0
103	P1-211: Genetic influences on amyloid angiopathy and white matter pathology in familial Alzheimer's disease: A comparison of app and PSEN1 mutations. , 2015, 11, P431-P431.		0
104	P1â€155: Postâ€Mortem Brain Tissue Characterisation of Inflammatory and Pathological Hallmarks of Alzheimerâ€™s Disease During Disease Progression. Alzheimer's and Dementia, 2016, 12, P462.	0.4	0