

Tara L Spires-Jones

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

148
papers

13,493
citations

58
h-index

115
g-index

195
ext. papers

16,015
ext. citations

8.6
avg, IF

6.47
L-index

#	Paper	IF	Citations
148	Reactive astrocytes acquire neuroprotective as well as deleterious signatures in response to Tau and A β pathology.. <i>Nature Communications</i> , 2022 , 13, 135	17.4	4
147	Reducing voltage-dependent potassium channel Kv3.4 levels ameliorates synapse loss in a mouse model of Alzheimer's disease.. <i>Brain and Neuroscience Advances</i> , 2022 , 6, 23982128221086464	4	0
146	Loss of SORCS2 is Associated with Neuronal DNA Double-Strand Breaks. <i>Cellular and Molecular Neurobiology</i> , 2021 , 1	4.6	0
145	Novel genetic variants in MAPT and alterations in tau phosphorylation in amyotrophic lateral sclerosis post-mortem motor cortex and cerebrospinal fluid. <i>Brain Pathology</i> , 2021 , e13035	6	1
144	Targeting Tau Mitigates Mitochondrial Fragmentation and Oxidative Stress in Amyotrophic Lateral Sclerosis. <i>Molecular Neurobiology</i> , 2021 , 1	6.2	4
143	Toward a holistic model of Alzheimer's MIT Press, 2021. 272 pp. <i>Science</i> , 2021 , 374, 267	33.3	0
142	Lowering Synaptogyrin-3 expression rescues Tau-induced memory defects and synaptic loss in the presence of microglial activation. <i>Neuron</i> , 2021 , 109, 767-777.e5	13.9	9
141	Epigenetic predictors of lifestyle traits applied to the blood and brain. <i>Brain Communications</i> , 2021 , 3, fcab082	4.5	1
140	MRI-guided histology of TDP-43 knock-in mice implicates parvalbumin interneuron loss, impaired neurogenesis and aberrant neurodevelopment in amyotrophic lateral sclerosis-frontotemporal dementia. <i>Brain Communications</i> , 2021 , 3, fcab114	4.5	2
139	An epigenetic predictor of death captures multi-modal measures of brain health. <i>Molecular Psychiatry</i> , 2021 , 26, 3806-3816	15.1	31
138	Maintained memory and long-term potentiation in a mouse model of Alzheimer's disease with both amyloid pathology and human tau. <i>European Journal of Neuroscience</i> , 2021 , 53, 637-648	3.5	1
137	Microglial contribution to synaptic uptake in the prefrontal cortex in schizophrenia. <i>Neuropathology and Applied Neurobiology</i> , 2021 , 47, 346-351	5.2	3
136	Creating and Validating a DNA Methylation-Based Proxy for Interleukin-6. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 2284-2292	6.4	1
135	Potential neurobiological links between social isolation and Alzheimer's disease risk. <i>European Journal of Neuroscience</i> , 2021 ,	3.5	2
134	Inhibitory synapse loss and accumulation of amyloid beta in inhibitory presynaptic terminals in Alzheimer's disease. <i>European Journal of Neurology</i> , 2021 ,	6	4
133	Dysregulation in Subcellular Localization of Myelin Basic Protein mRNA Does Not Result in Altered Myelination in Amyotrophic Lateral Sclerosis. <i>Frontiers in Neuroscience</i> , 2021 , 15, 705306	5.1	0
132	Selective vulnerability of inhibitory networks in multiple sclerosis. <i>Acta Neuropathologica</i> , 2021 , 141, 415-429	14.3	11

131	Preclinical and clinical biomarker studies of CT1812: A novel approach to Alzheimer's disease modification. <i>Alzheimer's and Dementia</i> , 2021 , 17, 1365-1382	1.2	11
130	TMEM97 is a potential amyloid beta receptor in human Alzheimer's disease synapses. <i>Alzheimer's and Dementia</i> , 2020 , 16, e041782	1.2	
129	The clinical promise of biomarkers of synapse damage or loss in Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2020 , 12, 21	9	69
128	Generation of twenty four induced pluripotent stem cell lines from twenty four members of the Lothian Birth Cohort 1936. <i>Stem Cell Research</i> , 2020 , 46, 101851	1.6	6
127	High neural activity accelerates the decline of cognitive plasticity with age in. <i>ELife</i> , 2020 , 9,	8.9	3
126	PrP is a central player in toxicity mediated by soluble aggregates of neurodegeneration-causing proteins. <i>Acta Neuropathologica</i> , 2020 , 139, 503-526	14.3	55
125	The physiological roles of tau and A β implications for Alzheimer's disease pathology and therapeutics. <i>Acta Neuropathologica</i> , 2020 , 140, 417-447	14.3	88
124	Characterisation of an inflammation-related epigenetic score and its association with cognitive ability. <i>Clinical Epigenetics</i> , 2020 , 12, 113	7.7	15
123	Non-Invasive RF Technique for Detecting Different Stages of Alzheimer's Disease and Imaging Beta-Amyloid Plaques and Tau Tangles in the Brain. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 4060-4070	11.7	7
122	Reflections on the past two decades of neuroscience. <i>Nature Reviews Neuroscience</i> , 2020 , 21, 524-534	13.5	15
121	Clusterin accumulates in synapses in Alzheimer's disease and is increased in apolipoprotein E4 carriers. <i>Brain Communications</i> , 2019 , 1, fcz003	4.5	20
120	New terminology for a common TDP-43 proteinopathy. <i>Lancet Neurology</i> , 2019 , 18, 714-715	24.1	
119	Nanoscale structure of amyloid- β plaques in Alzheimer's disease. <i>Scientific Reports</i> , 2019 , 9, 5181	4.9	28
118	Tackling gaps in developing life-changing treatments for dementia. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019 , 5, 241-253	6	11
117	Opposing Roles of apolipoprotein E in aging and neurodegeneration. <i>Life Science Alliance</i> , 2019 , 2,	5.8	13
116	Sleep well to slow Alzheimer's progression?. <i>Science</i> , 2019 , 363, 813-814	33.3	11
115	Childhood intelligence attenuates the association between biological ageing and health outcomes in later life. <i>Translational Psychiatry</i> , 2019 , 9, 323	8.6	8
114	Comparative profiling of the synaptic proteome from Alzheimer's disease patients with focus on the APOE genotype. <i>Acta Neuropathologica Communications</i> , 2019 , 7, 214	7.3	20

113	Amyloid Beta and Tau Cooperate to Cause Reversible Behavioral and Transcriptional Deficits in a Model of Alzheimer's Disease. <i>Cell Reports</i> , 2019 , 29, 3592-3604.e5	10.6	56
112	Invited Review: APOE at the interface of inflammation, neurodegeneration and pathological protein spread in Alzheimer's disease. <i>Neuropathology and Applied Neurobiology</i> , 2019 , 45, 327-346	5.2	53
111	Changes in Synaptic Proteins Precede Neurodegeneration Markers in Preclinical Alzheimer's Disease Cerebrospinal Fluid. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 546-560	7.6	66
110	Beyond the neuron-cellular interactions early in Alzheimer disease pathogenesis. <i>Nature Reviews Neuroscience</i> , 2019 , 20, 94-108	13.5	142
109	sAPP ^L and sAPP ^H increase structural complexity and E/I input ratio in primary hippocampal neurons and alter Ca homeostasis and CREB1-signaling. <i>Experimental Neurology</i> , 2018 , 304, 1-13	5.7	7
108	Synaptogyrin-3 Mediates Presynaptic Dysfunction Induced by Tau. <i>Neuron</i> , 2018 , 97, 823-835.e8	13.9	80
107	Synapse loss in the prefrontal cortex is associated with cognitive decline in amyotrophic lateral sclerosis. <i>Acta Neuropathologica</i> , 2018 , 135, 213-226	14.3	45
106	Antidiabetic Polypill Improves Central Pathology and Cognitive Impairment in a Mixed Model of Alzheimer's Disease and Type 2 Diabetes. <i>Molecular Neurobiology</i> , 2018 , 55, 6130-6144	6.2	21
105	Complementing Tau: New Data Show that the Complement System Is Involved in Degeneration in Tauopathies. <i>Neuron</i> , 2018 , 100, 1267-1269	13.9	6
104	Trajectories of inflammatory biomarkers over the eighth decade and their associations with immune cell profiles and epigenetic ageing. <i>Clinical Epigenetics</i> , 2018 , 10, 159	7.7	17
103	Region-specific depletion of synaptic mitochondria in the brains of patients with Alzheimer's disease. <i>Acta Neuropathologica</i> , 2018 , 136, 747-757	14.3	50
102	A brain boost to fight Alzheimer's disease. <i>Science</i> , 2018 , 361, 975-976	33.3	6
101	Modeling Alzheimer's disease brains in vitro. <i>Nature Neuroscience</i> , 2018 , 21, 899-900	25.5	10
100	Progressive Neuronal Pathology and Synaptic Loss Induced by Prediabetes and Type 2 Diabetes in a Mouse Model of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2017 , 54, 3428-3438	6.2	38
99	Spread of tau down neural circuits precedes synapse and neuronal loss in the rTgTauEC mouse model of early Alzheimer's disease. <i>Synapse</i> , 2017 , 71, e21965	2.4	34
98	Interactions of pathological proteins in neurodegenerative diseases. <i>Acta Neuropathologica</i> , 2017 , 134, 187-205	14.3	193
97	Tau association with synaptic vesicles causes presynaptic dysfunction. <i>Nature Communications</i> , 2017 , 8, 15295	17.4	168
96	Human Brain-Derived A β Oligomers Bind to Synapses and Disrupt Synaptic Activity in a Manner That Requires APP. <i>Journal of Neuroscience</i> , 2017 , 37, 11947-11966	6.6	72

95	TDP-43 Depletion in Microglia Promotes Amyloid Clearance but Also Induces Synapse Loss. <i>Neuron</i> , 2017 , 95, 297-308.e6	13.9	115
94	Synaptic phosphorylated β synuclein in dementia with Lewy bodies. <i>Brain</i> , 2017 , 140, 3204-3214	11.2	64
93	Conditional Deletion of PDK1 in the Forebrain Causes Neuron Loss and Increased Apoptosis during Cortical Development. <i>Frontiers in Cellular Neuroscience</i> , 2017 , 11, 330	6.1	13
92	Non-Fibrillar Oligomeric Amyloid- β within Synapses. <i>Journal of Alzheimer's Disease</i> , 2016 , 53, 787-800	4.3	43
91	Human tau increases amyloid β plaque size but not amyloid β mediated synapse loss in a novel mouse model of Alzheimer's disease. <i>European Journal of Neuroscience</i> , 2016 , 44, 3056-3066	3.5	57
90	Amyloid-beta oligomerization is associated with the generation of a typical peptide fragment fingerprint. <i>Alzheimer's and Dementia</i> , 2016 , 12, 996-1013	1.2	10
89	Synaptic pathology: A shared mechanism in neurological disease. <i>Ageing Research Reviews</i> , 2016 , 28, 72-84	12	86
88	Pathological tau disrupts ongoing network activity. <i>Neuron</i> , 2015 , 85, 959-66	13.9	109
87	Amyloid accelerates tau propagation and toxicity in a model of early Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2015 , 3, 14	7.3	122
86	Post-mortem brain analyses of the Lothian Birth Cohort 1936: extending lifetime cognitive and brain phenotyping to the level of the synapse. <i>Acta Neuropathologica Communications</i> , 2015 , 3, 53	7.3	19
85	Carboxy terminus heat shock protein 70 interacting protein reduces tau-associated degenerative changes. <i>Journal of Alzheimer's Disease</i> , 2015 , 44, 937-47	4.3	18
84	Removing endogenous tau does not prevent tau propagation yet reduces its neurotoxicity. <i>EMBO Journal</i> , 2015 , 34, 3028-41	13	80
83	Methylene blue does not reverse existing neurofibrillary tangle pathology in the rTg4510 mouse model of tauopathy. <i>Neuroscience Letters</i> , 2014 , 562, 63-8	3.3	29
82	Soluble pathological tau in the entorhinal cortex leads to presynaptic deficits in an early Alzheimer's disease model. <i>Acta Neuropathologica</i> , 2014 , 127, 257-70	14.3	70
81	The intersection of amyloid beta and tau at synapses in Alzheimer's disease. <i>Neuron</i> , 2014 , 82, 756-71	13.9	610
80	Endogenous tau aggregates in oligodendrocytes of rTg4510 mice induced by human P301L tau. <i>Journal of Alzheimer's Disease</i> , 2014 , 38, 589-600	4.3	11
79	Alzheimer's therapeutics targeting amyloid beta 1-42 oligomers II: Sigma-2/PGRMC1 receptors mediate Abeta 42 oligomer binding and synaptotoxicity. <i>PLoS ONE</i> , 2014 , 9, e111899	3.7	115
78	Frequent and symmetric deposition of misfolded tau oligomers within presynaptic and postsynaptic terminals in Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2014 , 2, 146	7.3	64

77	Neurofibrillary tangle-bearing neurons are functionally integrated in cortical circuits in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 510-4	11.5	125
76	Tau pathology does not affect experience-driven single-neuron and network-wide Arc/Arg3.1 responses. <i>Acta Neuropathologica Communications</i> , 2014 , 2, 63	7.3	15
75	The calcium-binding protein EFhd2 modulates synapse formation in vitro and is linked to human dementia. <i>Journal of Neuropathology and Experimental Neurology</i> , 2014 , 73, 1166-82	3.1	20
74	Analyzing Alzheimer's Disease-Related Protein Deposition In Vivo By Multiphoton Laser Scanning Microscopy 2014 , 97-104		
73	Synapse density and dendritic complexity are reduced in the prefrontal cortex following seven days of forced abstinence from cocaine self-administration. <i>PLoS ONE</i> , 2014 , 9, e102524	3.7	24
72	Frequent and symmetric deposition of misfolded tau oligomers within presynaptic and postsynaptic terminals in Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2014 , 2, 146	7.3	40
71	Studying synapses in human brain with array tomography and electron microscopy. <i>Nature Protocols</i> , 2013 , 8, 1366-80	18.8	63
70	Reversal of neurofibrillary tangles and tau-associated phenotype in the rTgTauEC model of early Alzheimer's disease. <i>Journal of Neuroscience</i> , 2013 , 33, 13300-11	6.6	35
69	Gene transfer of human Apoe isoforms results in differential modulation of amyloid deposition and neurotoxicity in mouse brain. <i>Science Translational Medicine</i> , 2013 , 5, 212ra161	17.5	108
68	Tau-amyloid interactions in the rTgTauEC model of early Alzheimer's disease suggest amyloid-induced disruption of axonal projections and exacerbated axonal pathology. <i>Journal of Comparative Neurology</i> , 2013 , 521, 4236-48	3.4	14
67	O20101: Neurofibrillary tangles remain functionally integrated in cortical networks 2013 , 9, P314-P314		
66	The intersection of amyloid β and tau in glutamatergic synaptic dysfunction and collapse in Alzheimer's disease. <i>Ageing Research Reviews</i> , 2013 , 12, 757-63	12	101
65	Synaptic alterations in the rTg4510 mouse model of tauopathy. <i>Journal of Comparative Neurology</i> , 2013 , 521, 1334-53	3.4	75
64	Brain interstitial oligomeric amyloid β increases with age and is resistant to clearance from brain in a mouse model of Alzheimer's disease. <i>FASEB Journal</i> , 2013 , 27, 3239-48	0.9	48
63	Differential central pathology and cognitive impairment in pre-diabetic and diabetic mice. <i>Psychoneuroendocrinology</i> , 2013 , 38, 2462-75	5	94
62	Propagation of tau pathology in Alzheimer's disease: identification of novel therapeutic targets. <i>Alzheimer's Research and Therapy</i> , 2013 , 5, 49	9	65
61	Rapid β amyloid deposition and cognitive impairment after cholinergic denervation in APP/PS1 mice. <i>Journal of Neuropathology and Experimental Neurology</i> , 2013 , 72, 272-85	3.1	58
60	Tau causes synapse loss without disrupting calcium homeostasis in the rTg4510 model of tauopathy. <i>PLoS ONE</i> , 2013 , 8, e80834	3.7	28

59	Propagation of tau pathology in a model of early Alzheimer's disease. <i>Neuron</i> , 2012 , 73, 685-97	13.9	969
58	Apolipoprotein E, especially apolipoprotein E4, increases the oligomerization of amyloid β peptide. <i>Journal of Neuroscience</i> , 2012 , 32, 15181-92	6.6	176
57	Orchestrated experience-driven Arc responses are disrupted in a mouse model of Alzheimer's disease. <i>Nature Neuroscience</i> , 2012 , 15, 1422-9	25.5	75
56	Soluble forms of tau are toxic in Alzheimer's disease. <i>Translational Neuroscience</i> , 2012 , 3, 223-233	1.2	133
55	Propagation of Tau Pathology in a Model of Early Alzheimer's Disease. <i>Neuron</i> , 2012 , 76, 461	13.9	3
54	The synaptic accumulation of hyperphosphorylated tau oligomers in Alzheimer disease is associated with dysfunction of the ubiquitin-proteasome system. <i>American Journal of Pathology</i> , 2012 , 181, 1426-35	5.8	278
53	Inhibition of Sirtuin 2 with Sulfobenzoic Acid Derivative AK1 is Non-Toxic and Potentially Neuroprotective in a Mouse Model of Frontotemporal Dementia. <i>Frontiers in Pharmacology</i> , 2012 , 3, 42	5.6	35
52	Inhibition of the NFAT pathway alleviates amyloid β neurotoxicity in a mouse model of Alzheimer's disease. <i>Journal of Neuroscience</i> , 2012 , 32, 3176-92	6.6	75
51	Apolipoprotein E4 effects in Alzheimer's disease are mediated by synaptotoxic oligomeric amyloid β . <i>Brain</i> , 2012 , 135, 2155-68	11.2	195
50	Spines, plasticity, and cognition in Alzheimer's model mice. <i>Neural Plasticity</i> , 2012 , 2012, 319836	3.3	100
49	Tau accumulation causes mitochondrial distribution deficits in neurons in a mouse model of tauopathy and in human Alzheimer's disease brain. <i>American Journal of Pathology</i> , 2011 , 179, 2071-82	5.8	169
48	Calcineurin inhibition with systemic FK506 treatment increases dendritic branching and dendritic spine density in healthy adult mouse brain. <i>Neuroscience Letters</i> , 2011 , 487, 260-3	3.3	37
47	Monitoring protein aggregation and toxicity in Alzheimer's disease mouse models using in vivo imaging. <i>Methods</i> , 2011 , 53, 201-7	4.6	21
46	O1-05-01: APOE4 plays a role in Abeta-mediated synapse loss in Alzheimer's disease 2011 , 7, S103-S104		
45	Apolipoprotein E: isoform specific differences in tertiary structure and interaction with amyloid β in human Alzheimer brain. <i>PLoS ONE</i> , 2011 , 6, e14586	3.7	54
44	Soluble tau species, not neurofibrillary aggregates, disrupt neural system integration in a tau transgenic model. <i>Journal of Neuropathology and Experimental Neurology</i> , 2011 , 70, 588-95	3.1	61
43	Calcineurin inhibition with FK506 ameliorates dendritic spine density deficits in plaque-bearing Alzheimer model mice. <i>Neurobiology of Disease</i> , 2011 , 41, 650-4	7.5	62
42	Are tangles as toxic as they look?. <i>Journal of Molecular Neuroscience</i> , 2011 , 45, 438-44	3.3	83

41	T cell mediated cerebral hemorrhages and microhemorrhages during passive A β immunization in APPPS1 transgenic mice. <i>Molecular Neurodegeneration</i> , 2011 , 6, 22	19	11
40	Alzheimer's disease: synapses gone cold. <i>Molecular Neurodegeneration</i> , 2011 , 6, 63	19	186
39	Nanoparticles enhance brain delivery of blood-brain barrier-impermeable probes for in vivo optical and magnetic resonance imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 18837-42	11.5	192
38	Caspase activation precedes and leads to tangles. <i>Nature</i> , 2010 , 464, 1201-4	50.4	393
37	PL-05-01: A transgenic model of the earliest stage of Alzheimer's disease 2010 , 6, S165-S165		
36	Amyloid beta induces the morphological neurodegenerative triad of spine loss, dendritic simplification, and neuritic dystrophies through calcineurin activation. <i>Journal of Neuroscience</i> , 2010 , 30, 2636-49	6.6	269
35	Environmental enrichment reduces neuronal intranuclear inclusion load but has no effect on messenger RNA expression in a mouse model of Huntington disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2010 , 69, 817-27	3.1	28
34	A reporter of local dendritic translocation shows plaque-related loss of neural system function in APP-transgenic mice. <i>Journal of Neuroscience</i> , 2009 , 29, 12636-40	6.6	48
33	Tangle-bearing neurons survive despite disruption of membrane integrity in a mouse model of tauopathy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009 , 68, 757-61	3.1	51
32	Oligomeric amyloid beta associates with postsynaptic densities and correlates with excitatory synapse loss near senile plaques. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 4012-7	11.5	603
31	Passive immunotherapy rapidly increases structural plasticity in a mouse model of Alzheimer disease. <i>Neurobiology of Disease</i> , 2009 , 33, 213-20	7.5	53
30	A single dose of passive immunotherapy has extended benefits on synapses and neurites in an Alzheimer's disease mouse model. <i>Brain Research</i> , 2009 , 1280, 178-85	3.7	19
29	Differential effect of three-repeat and four-repeat tau on mitochondrial axonal transport. <i>Journal of Neurochemistry</i> , 2009 , 111, 417-27	6	114
28	Tau pathophysiology in neurodegeneration: a tangled issue. <i>Trends in Neurosciences</i> , 2009 , 32, 150-9	13.3	243
27	Rapid appearance and local toxicity of amyloid-beta plaques in a mouse model of Alzheimer's disease. <i>Nature</i> , 2008 , 451, 720-4	50.4	774
26	Wheel running from a juvenile age delays onset of specific motor deficits but does not alter protein aggregate density in a mouse model of Huntington's disease. <i>BMC Neuroscience</i> , 2008 , 9, 34	3.2	88
25	Neuropathology of Alzheimer's disease. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2008 , 89, 233-43	3	33
24	In vivo imaging reveals dissociation between caspase activation and acute neuronal death in tangle-bearing neurons. <i>Journal of Neuroscience</i> , 2008 , 28, 862-7	6.6	121

23	Two postprocessing techniques for the elimination of background autofluorescence for fluorescence lifetime imaging microscopy. <i>Journal of Biomedical Optics</i> , 2008 , 13, 014008	3.5	12
22	TAR-DNA binding protein 43 in Pick disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008 , 67, 62-7	3.1	64
21	Abnormal bundling and accumulation of F-actin mediates tau-induced neuronal degeneration in vivo. <i>Nature Cell Biology</i> , 2007 , 9, 139-48	23.4	339
20	Molecular mechanisms mediating pathological plasticity in Huntington's disease and Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2007 , 100, 874-82	6	22
19	Spine tingling polymorphisms--is apolipoprotein E involved in dendritic shape and plasticity?. <i>Neurobiology of Aging</i> , 2007 , 28, 687-8; discussion 704-6	5.6	
18	Impaired spine stability underlies plaque-related spine loss in an Alzheimer's disease mouse model. <i>American Journal of Pathology</i> , 2007 , 171, 1304-11	5.8	144
17	Region-specific dissociation of neuronal loss and neurofibrillary pathology in a mouse model of tauopathy. <i>American Journal of Pathology</i> , 2006 , 168, 1598-607	5.8	300
16	Transgenic models of Alzheimer's disease: learning from animals. <i>NeuroRx</i> , 2005 , 2, 423-37		154
15	Nature, nurture and neurology: gene-environment interactions in neurodegenerative disease. FEBS Anniversary Prize Lecture delivered on 27 June 2004 at the 29th FEBS Congress in Warsaw. <i>FEBS Journal</i> , 2005 , 272, 2347-61	5.7	78
14	Dendritic spine abnormalities in amyloid precursor protein transgenic mice demonstrated by gene transfer and intravital multiphoton microscopy. <i>Journal of Neuroscience</i> , 2005 , 25, 7278-87	6.6	458
13	Tau suppression in a neurodegenerative mouse model improves memory function. <i>Science</i> , 2005 , 309, 476-81	33.3	1478
12	Environmental enrichment rescues protein deficits in a mouse model of Huntington's disease, indicating a possible disease mechanism. <i>Journal of Neuroscience</i> , 2004 , 24, 2270-6	6.6	305
11	Neuronal structure is altered by amyloid plaques. <i>Reviews in the Neurosciences</i> , 2004 , 15, 267-78	4.7	85
10	Dendritic spine pathology and deficits in experience-dependent dendritic plasticity in R6/1 Huntington's disease transgenic mice. <i>European Journal of Neuroscience</i> , 2004 , 19, 2799-807	3.5	150
9	The synthesis of megatubes: new dimensions in carbon materials. <i>Inorganic Chemistry</i> , 2001 , 40, 2751-5	5.1	14
8	Assessing amyloid- β , tau, and glial features in Lothian Birth Cohort 1936 participants post-mortem. <i>Matters</i> ,	0	1
7	Childhood intelligence attenuates the association between biological ageing and health outcomes in later		2
6	Creating and validating a DNA methylation-based proxy for Interleukin-6		2

5	A comparison of blood and brain-derived ageing and inflammation-related DNA methylation signatures and their association with microglial burdens	1
4	Characterisation of an inflammation-related epigenetic score and its association with cognitive ability	1
3	Activated iPSC-microglia from C9orf72 ALS/FTD patients exhibit endosomal-lysosomal dysfunction	4
2	An epigenetic predictor of death captures multi-modal measures of brain health	8
1	Altered synaptic ingestion by human microglia in Alzheimer's disease	7