

# Tara L Spires-Jones

## List of Publications by Citations

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148  
papers

13,493  
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58  
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g-index

195  
ext. papers

16,015  
ext. citations

8.6  
avg, IF

6.47  
L-index

#	Paper	IF	Citations
148	Tau suppression in a neurodegenerative mouse model improves memory function. <i>Science</i> , <b>2005</b> , 309, 476-81	33.3	1478
147	Propagation of tau pathology in a model of early Alzheimer's disease. <i>Neuron</i> , <b>2012</b> , 73, 685-97	13.9	969
146	Rapid appearance and local toxicity of amyloid-beta plaques in a mouse model of Alzheimer's disease. <i>Nature</i> , <b>2008</b> , 451, 720-4	50.4	774
145	The intersection of amyloid beta and tau at synapses in Alzheimer's disease. <i>Neuron</i> , <b>2014</b> , 82, 756-71	13.9	610
144	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> , <b>2009</b> , 106, 4012-7	11.5	603
143	Dendritic spine abnormalities in amyloid precursor protein transgenic mice demonstrated by gene transfer and intravital multiphoton microscopy. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 7278-87	6.6	458
142	Caspase activation precedes and leads to tangles. <i>Nature</i> , <b>2010</b> , 464, 1201-4	50.4	393
141	Abnormal bundling and accumulation of F-actin mediates tau-induced neuronal degeneration in vivo. <i>Nature Cell Biology</i> , <b>2007</b> , 9, 139-48	23.4	339
140	Environmental enrichment rescues protein deficits in a mouse model of Huntington's disease, indicating a possible disease mechanism. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 2270-6	6.6	305
139	Region-specific dissociation of neuronal loss and neurofibrillary pathology in a mouse model of tauopathy. <i>American Journal of Pathology</i> , <b>2006</b> , 168, 1598-607	5.8	300
138	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> , <b>2012</b> , 181, 1426-35	5.8	278
137	Amyloid beta induces the morphological neurodegenerative triad of spine loss, dendritic simplification, and neuritic dystrophies through calcineurin activation. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 2636-49	6.6	269
136	Tau pathophysiology in neurodegeneration: a tangled issue. <i>Trends in Neurosciences</i> , <b>2009</b> , 32, 150-9	13.3	243
135	Apolipoprotein E4 effects in Alzheimer's disease are mediated by synaptotoxic oligomeric amyloid- $\beta$ . <i>Brain</i> , <b>2012</b> , 135, 2155-68	11.2	195
134	Interactions of pathological proteins in neurodegenerative diseases. <i>Acta Neuropathologica</i> , <b>2017</b> , 134, 187-205	14.3	193
133	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> , <b>2011</b> , 108, 18837-42	11.5	192
132	Alzheimer's disease: synapses gone cold. <i>Molecular Neurodegeneration</i> , <b>2011</b> , 6, 63	19	186

131	Apolipoprotein E, especially apolipoprotein E4, increases the oligomerization of amyloid $\beta$ peptide. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 15181-92	6.6	176
130	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> , <b>2011</b> , 179, 2071-82	5.8	169
129	Tau association with synaptic vesicles causes presynaptic dysfunction. <i>Nature Communications</i> , <b>2017</b> , 8, 15295	17.4	168
128	Transgenic models of Alzheimer's disease: learning from animals. <i>NeuroRx</i> , <b>2005</b> , 2, 423-37		154
127	Dendritic spine pathology and deficits in experience-dependent dendritic plasticity in R6/1 Huntington's disease transgenic mice. <i>European Journal of Neuroscience</i> , <b>2004</b> , 19, 2799-807	3.5	150
126	Impaired spine stability underlies plaque-related spine loss in an Alzheimer's disease mouse model. <i>American Journal of Pathology</i> , <b>2007</b> , 171, 1304-11	5.8	144
125	Beyond the neuron-cellular interactions early in Alzheimer disease pathogenesis. <i>Nature Reviews Neuroscience</i> , <b>2019</b> , 20, 94-108	13.5	142
124	Soluble forms of tau are toxic in Alzheimer's disease. <i>Translational Neuroscience</i> , <b>2012</b> , 3, 223-233	1.2	133
123	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> , <b>2014</b> , 111, 510-4	11.5	125
122	Amyloid accelerates tau propagation and toxicity in a model of early Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , <b>2015</b> , 3, 14	7.3	122
121	In vivo imaging reveals dissociation between caspase activation and acute neuronal death in tangle-bearing neurons. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 862-7	6.6	121
120	TDP-43 Depletion in Microglia Promotes Amyloid Clearance but Also Induces Synapse Loss. <i>Neuron</i> , <b>2017</b> , 95, 297-308.e6	13.9	115
119	Alzheimer's therapeutics targeting amyloid beta 1-42 oligomers II: Sigma-2/PGRMC1 receptors mediate A $\beta$ 42 oligomer binding and synaptotoxicity. <i>PLoS ONE</i> , <b>2014</b> , 9, e111899	3.7	115
118	Differential effect of three-repeat and four-repeat tau on mitochondrial axonal transport. <i>Journal of Neurochemistry</i> , <b>2009</b> , 111, 417-27	6	114
117	Pathological tau disrupts ongoing network activity. <i>Neuron</i> , <b>2015</b> , 85, 959-66	13.9	109
116	Gene transfer of human Apoe isoforms results in differential modulation of amyloid deposition and neurotoxicity in mouse brain. <i>Science Translational Medicine</i> , <b>2013</b> , 5, 212ra161	17.5	108
115	The intersection of amyloid $\beta$ and tau in glutamatergic synaptic dysfunction and collapse in Alzheimer's disease. <i>Ageing Research Reviews</i> , <b>2013</b> , 12, 757-63	12	101
114	Spines, plasticity, and cognition in Alzheimer's model mice. <i>Neural Plasticity</i> , <b>2012</b> , 2012, 319836	3.3	100

113	Differential central pathology and cognitive impairment in pre-diabetic and diabetic mice. <i>Psychoneuroendocrinology</i> , <b>2013</b> , 38, 2462-75	5	94
112	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> , <b>2008</b> , 9, 34	3.2	88
111	The physiological roles of tau and A $\beta$ implications for Alzheimer's disease pathology and therapeutics. <i>Acta Neuropathologica</i> , <b>2020</b> , 140, 417-447	14.3	88
110	Synaptic pathology: A shared mechanism in neurological disease. <i>Ageing Research Reviews</i> , <b>2016</b> , 28, 72-84	12	86
109	Neuronal structure is altered by amyloid plaques. <i>Reviews in the Neurosciences</i> , <b>2004</b> , 15, 267-78	4.7	85
108	Are tangles as toxic as they look?. <i>Journal of Molecular Neuroscience</i> , <b>2011</b> , 45, 438-44	3.3	83
107	Synaptogyrin-3 Mediates Presynaptic Dysfunction Induced by Tau. <i>Neuron</i> , <b>2018</b> , 97, 823-835.e8	13.9	80
106	Removing endogenous tau does not prevent tau propagation yet reduces its neurotoxicity. <i>EMBO Journal</i> , <b>2015</b> , 34, 3028-41	13	80
105	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> , <b>2005</b> , 272, 2347-61	5.7	78
104	Orchestrated experience-driven Arc responses are disrupted in a mouse model of Alzheimer's disease. <i>Nature Neuroscience</i> , <b>2012</b> , 15, 1422-9	25.5	75
103	Inhibition of the NFAT pathway alleviates amyloid neurotoxicity in a mouse model of Alzheimer's disease. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 3176-92	6.6	75
102	Synaptic alterations in the rTg4510 mouse model of tauopathy. <i>Journal of Comparative Neurology</i> , <b>2013</b> , 521, 1334-53	3.4	75
101	Human Brain-Derived A $\beta$ Oligomers Bind to Synapses and Disrupt Synaptic Activity in a Manner That Requires APP. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 11947-11966	6.6	72
100	Soluble pathological tau in the entorhinal cortex leads to presynaptic deficits in an early Alzheimer's disease model. <i>Acta Neuropathologica</i> , <b>2014</b> , 127, 257-70	14.3	70
99	The clinical promise of biomarkers of synapse damage or loss in Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , <b>2020</b> , 12, 21	9	69
98	Changes in Synaptic Proteins Precede Neurodegeneration Markers in Preclinical Alzheimer's Disease Cerebrospinal Fluid. <i>Molecular and Cellular Proteomics</i> , <b>2019</b> , 18, 546-560	7.6	66
97	Propagation of tau pathology in Alzheimer's disease: identification of novel therapeutic targets. <i>Alzheimer's Research and Therapy</i> , <b>2013</b> , 5, 49	9	65
96	Synaptic phosphorylated $\beta$ -synuclein in dementia with Lewy bodies. <i>Brain</i> , <b>2017</b> , 140, 3204-3214	11.2	64

95	Frequent and symmetric deposition of misfolded tau oligomers within presynaptic and postsynaptic terminals in Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , <b>2014</b> , 2, 146	7.3	64
94	TAR-DNA binding protein 43 in Pick disease. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2008</b> , 67, 62-7	3.1	64
93	Studying synapses in human brain with array tomography and electron microscopy. <i>Nature Protocols</i> , <b>2013</b> , 8, 1366-80	18.8	63
92	Calcineurin inhibition with FK506 ameliorates dendritic spine density deficits in plaque-bearing Alzheimer model mice. <i>Neurobiology of Disease</i> , <b>2011</b> , 41, 650-4	7.5	62
91	Soluble tau species, not neurofibrillary aggregates, disrupt neural system integration in a tau transgenic model. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2011</b> , 70, 588-95	3.1	61
90	Rapid $\beta$ amyloid deposition and cognitive impairment after cholinergic denervation in APP/PS1 mice. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2013</b> , 72, 272-85	3.1	58
89	Human tau increases amyloid $\beta$ plaque size but not amyloid $\beta$ mediated synapse loss in a novel mouse model of Alzheimer's disease. <i>European Journal of Neuroscience</i> , <b>2016</b> , 44, 3056-3066	3.5	57
88	Amyloid Beta and Tau Cooperate to Cause Reversible Behavioral and Transcriptional Deficits in a Model of Alzheimer's Disease. <i>Cell Reports</i> , <b>2019</b> , 29, 3592-3604.e5	10.6	56
87	PrP is a central player in toxicity mediated by soluble aggregates of neurodegeneration-causing proteins. <i>Acta Neuropathologica</i> , <b>2020</b> , 139, 503-526	14.3	55
86	Apolipoprotein E: isoform specific differences in tertiary structure and interaction with amyloid- $\beta$ in human Alzheimer brain. <i>PLoS ONE</i> , <b>2011</b> , 6, e14586	3.7	54
85	Passive immunotherapy rapidly increases structural plasticity in a mouse model of Alzheimer disease. <i>Neurobiology of Disease</i> , <b>2009</b> , 33, 213-20	7.5	53
84	Invited Review: APOE at the interface of inflammation, neurodegeneration and pathological protein spread in Alzheimer's disease. <i>Neuropathology and Applied Neurobiology</i> , <b>2019</b> , 45, 327-346	5.2	53
83	Tangle-bearing neurons survive despite disruption of membrane integrity in a mouse model of tauopathy. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2009</b> , 68, 757-61	3.1	51
82	Region-specific depletion of synaptic mitochondria in the brains of patients with Alzheimer's disease. <i>Acta Neuropathologica</i> , <b>2018</b> , 136, 747-757	14.3	50
81	Brain interstitial oligomeric amyloid $\beta$ increases with age and is resistant to clearance from brain in a mouse model of Alzheimer's disease. <i>FASEB Journal</i> , <b>2013</b> , 27, 3239-48	0.9	48
80	A reporter of local dendritic translocation shows plaque-related loss of neural system function in APP-transgenic mice. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 12636-40	6.6	48
79	Synapse loss in the prefrontal cortex is associated with cognitive decline in amyotrophic lateral sclerosis. <i>Acta Neuropathologica</i> , <b>2018</b> , 135, 213-226	14.3	45
78	Non-Fibrillar Oligomeric Amyloid- $\beta$ within Synapses. <i>Journal of Alzheimer's Disease</i> , <b>2016</b> , 53, 787-800	4.3	43

77	Frequent and symmetric deposition of misfolded tau oligomers within presynaptic and postsynaptic terminals in Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , <b>2014</b> , 2, 146	7.3	40
76	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> , <b>2017</b> , 54, 3428-3438	6.2	38
75	Calcineurin inhibition with systemic FK506 treatment increases dendritic branching and dendritic spine density in healthy adult mouse brain. <i>Neuroscience Letters</i> , <b>2011</b> , 487, 260-3	3.3	37
74	Reversal of neurofibrillary tangles and tau-associated phenotype in the rTgTauEC model of early Alzheimer's disease. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 13300-11	6.6	35
73	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> , <b>2012</b> , 3, 42	5.6	35
72	Spread of tau down neural circuits precedes synapse and neuronal loss in the rTgTauEC mouse model of early Alzheimer's disease. <i>Synapse</i> , <b>2017</b> , 71, e21965	2.4	34
71	Neuropathology of Alzheimer's disease. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2008</b> , 89, 233-43	3	33
70	An epigenetic predictor of death captures multi-modal measures of brain health. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 3806-3816	15.1	31
69	Methylene blue does not reverse existing neurofibrillary tangle pathology in the rTg4510 mouse model of tauopathy. <i>Neuroscience Letters</i> , <b>2014</b> , 562, 63-8	3.3	29
68	Nanoscale structure of amyloid- $\beta$ plaques in Alzheimer's disease. <i>Scientific Reports</i> , <b>2019</b> , 9, 5181	4.9	28
67	Tau causes synapse loss without disrupting calcium homeostasis in the rTg4510 model of tauopathy. <i>PLoS ONE</i> , <b>2013</b> , 8, e80834	3.7	28
66	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> , <b>2010</b> , 69, 817-27	3.1	28
65	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> , <b>2014</b> , 9, e102524	3.7	24
64	Molecular mechanisms mediating pathological plasticity in Huntington's disease and Alzheimer's disease. <i>Journal of Neurochemistry</i> , <b>2007</b> , 100, 874-82	6	22
63	Monitoring protein aggregation and toxicity in Alzheimer's disease mouse models using in vivo imaging. <i>Methods</i> , <b>2011</b> , 53, 201-7	4.6	21
62	Antidiabetic Polypill Improves Central Pathology and Cognitive Impairment in a Mixed Model of Alzheimer's Disease and Type 2 Diabetes. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 6130-6144	6.2	21
61	Clusterin accumulates in synapses in Alzheimer's disease and is increased in apolipoprotein E4 carriers. <i>Brain Communications</i> , <b>2019</b> , 1, fcz003	4.5	20
60	The calcium-binding protein EFhd2 modulates synapse formation in vitro and is linked to human dementia. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2014</b> , 73, 1166-82	3.1	20

59	Comparative profiling of the synaptic proteome from Alzheimer's disease patients with focus on the APOE genotype. <i>Acta Neuropathologica Communications</i> , <b>2019</b> , 7, 214	7.3	20
58	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> , <b>2015</b> , 3, 53	7.3	19
57	A single dose of passive immunotherapy has extended benefits on synapses and neurites in an Alzheimer's disease mouse model. <i>Brain Research</i> , <b>2009</b> , 1280, 178-85	3.7	19
56	Carboxy terminus heat shock protein 70 interacting protein reduces tau-associated degenerative changes. <i>Journal of Alzheimer's Disease</i> , <b>2015</b> , 44, 937-47	4.3	18
55	Trajectories of inflammatory biomarkers over the eighth decade and their associations with immune cell profiles and epigenetic ageing. <i>Clinical Epigenetics</i> , <b>2018</b> , 10, 159	7.7	17
54	Tau pathology does not affect experience-driven single-neuron and network-wide Arc/Arg3.1 responses. <i>Acta Neuropathologica Communications</i> , <b>2014</b> , 2, 63	7.3	15
53	Characterisation of an inflammation-related epigenetic score and its association with cognitive ability. <i>Clinical Epigenetics</i> , <b>2020</b> , 12, 113	7.7	15
52	Reflections on the past two decades of neuroscience. <i>Nature Reviews Neuroscience</i> , <b>2020</b> , 21, 524-534	13.5	15
51	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> , <b>2013</b> , 521, 4236-48	3.4	14
50	The synthesis of megatubes: new dimensions in carbon materials. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 2751-5	5.1	14
49	Conditional Deletion of PDK1 in the Forebrain Causes Neuron Loss and Increased Apoptosis during Cortical Development. <i>Frontiers in Cellular Neuroscience</i> , <b>2017</b> , 11, 330	6.1	13
48	Opposing Roles of apolipoprotein E in aging and neurodegeneration. <i>Life Science Alliance</i> , <b>2019</b> , 2,	5.8	13
47	Two postprocessing techniques for the elimination of background autofluorescence for fluorescence lifetime imaging microscopy. <i>Journal of Biomedical Optics</i> , <b>2008</b> , 13, 014008	3.5	12
46	Tackling gaps in developing life-changing treatments for dementia. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , <b>2019</b> , 5, 241-253	6	11
45	Endogenous tau aggregates in oligodendrocytes of rTg4510 mice induced by human P301L tau. <i>Journal of Alzheimer's Disease</i> , <b>2014</b> , 38, 589-600	4.3	11
44	T cell mediated cerebral hemorrhages and microhemorrhages during passive A $\beta$ immunization in APPPS1 transgenic mice. <i>Molecular Neurodegeneration</i> , <b>2011</b> , 6, 22	19	11
43	Sleep well to slow Alzheimer's progression?. <i>Science</i> , <b>2019</b> , 363, 813-814	33.3	11
42	Selective vulnerability of inhibitory networks in multiple sclerosis. <i>Acta Neuropathologica</i> , <b>2021</b> , 141, 415-429	14.3	11



41	Preclinical and clinical biomarker studies of CT1812: A novel approach to Alzheimer's disease modification. <i>Alzheimer's and Dementia</i> , <b>2021</b> , 17, 1365-1382	1.2	11
40	Amyloid-beta oligomerization is associated with the generation of a typical peptide fragment fingerprint. <i>Alzheimer's and Dementia</i> , <b>2016</b> , 12, 996-1013	1.2	10
39	Modeling Alzheimer's disease brains in vitro. <i>Nature Neuroscience</i> , <b>2018</b> , 21, 899-900	25.5	10
38	Lowering Synaptogyrin-3 expression rescues Tau-induced memory defects and synaptic loss in the presence of microglial activation. <i>Neuron</i> , <b>2021</b> , 109, 767-777.e5	13.9	9
37	An epigenetic predictor of death captures multi-modal measures of brain health		8
36	Childhood intelligence attenuates the association between biological ageing and health outcomes in later life. <i>Translational Psychiatry</i> , <b>2019</b> , 9, 323	8.6	8
35	sAPP $\beta$ and sAPP $\alpha$ increase structural complexity and E/I input ratio in primary hippocampal neurons and alter Ca homeostasis and CREB1-signaling. <i>Experimental Neurology</i> , <b>2018</b> , 304, 1-13	5.7	7
34	Altered synaptic ingestion by human microglia in Alzheimer's disease		7
33	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> , <b>2020</b> , 39, 4060-4070	11.7	7
32	Generation of twenty four induced pluripotent stem cell lines from twenty four members of the Lothian Birth Cohort 1936. <i>Stem Cell Research</i> , <b>2020</b> , 46, 101851	1.6	6
31	Complementing Tau: New Data Show that the Complement System Is Involved in Degeneration in Tauopathies. <i>Neuron</i> , <b>2018</b> , 100, 1267-1269	13.9	6
30	A brain boost to fight Alzheimer's disease. <i>Science</i> , <b>2018</b> , 361, 975-976	33.3	6
29	Targeting Tau Mitigates Mitochondrial Fragmentation and Oxidative Stress in Amyotrophic Lateral Sclerosis. <i>Molecular Neurobiology</i> , <b>2021</b> , 1	6.2	4
28	Reactive astrocytes acquire neuroprotective as well as deleterious signatures in response to Tau and A $\beta$ pathology.. <i>Nature Communications</i> , <b>2022</b> , 13, 135	17.4	4
27	Activated iPSC-microglia from C9orf72 ALS/FTD patients exhibit endosomal-lysosomal dysfunction		4
26	Inhibitory synapse loss and accumulation of amyloid beta in inhibitory presynaptic terminals in Alzheimer's disease. <i>European Journal of Neurology</i> , <b>2021</b> ,	6	4
25	Propagation of Tau Pathology in a Model of Early Alzheimer's Disease. <i>Neuron</i> , <b>2012</b> , 76, 461	13.9	3
24	High neural activity accelerates the decline of cognitive plasticity with age in. <i>ELife</i> , <b>2020</b> , 9,	8.9	3



23	Microglial contribution to synaptic uptake in the prefrontal cortex in schizophrenia. <i>Neuropathology and Applied Neurobiology</i> , <b>2021</b> , 47, 346-351	5.2	3
22	Childhood intelligence attenuates the association between biological ageing and health outcomes in later		2
21	Creating and validating a DNA methylation-based proxy for Interleukin-6		2
20	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> , <b>2021</b> , 3, fcab114	4.5	2
19	Potential neurobiological links between social isolation and Alzheimer's disease risk. <i>European Journal of Neuroscience</i> , <b>2021</b> ,	3.5	2
18	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> , <b>2021</b> , e13035	6	1
17	Assessing amyloid- $\beta$ tau, and glial features in Lothian Birth Cohort 1936 participants post-mortem. <i>Matters</i> ,	0	1
16	A comparison of blood and brain-derived ageing and inflammation-related DNA methylation signatures and their association with microglial burdens		1
15	Characterisation of an inflammation-related epigenetic score and its association with cognitive ability		1
14	Epigenetic predictors of lifestyle traits applied to the blood and brain. <i>Brain Communications</i> , <b>2021</b> , 3, fcab082	4.5	1
13	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> , <b>2021</b> , 53, 637-648	3.5	1
12	Creating and Validating a DNA Methylation-Based Proxy for Interleukin-6. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2021</b> , 76, 2284-2292	6.4	1
11	Loss of SORCS2 is Associated with Neuronal DNA Double-Strand Breaks. <i>Cellular and Molecular Neurobiology</i> , <b>2021</b> , 1	4.6	0
10	Toward a holistic model of Alzheimer's MIT Press, 2021. 272 pp. <i>Science</i> , <b>2021</b> , 374, 267	33.3	0
9	Dysregulation in Subcellular Localization of Myelin Basic Protein mRNA Does Not Result in Altered Myelination in Amyotrophic Lateral Sclerosis. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 705306	5.1	0
8	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> , <b>2022</b> , 6, 23982128221086464	4	0
7	New terminology for a common TDP-43 proteinopathy. <i>Lancet Neurology, The</i> , <b>2019</b> , 18, 714-715	24.1	
6	TMEM97 is a potential amyloid beta receptor in human Alzheimer's disease synapses. <i>Alzheimer's and Dementia</i> , <b>2020</b> , 16, e041782	1.2	

5 O20101: Neurofibrillary tangles remain functionally integrated in cortical networks **2013**, 9, P314-P314

4 Analyzing Alzheimer's Disease-Related Protein Deposition In Vivo By Multiphoton Laser Scanning Microscopy **2014**, 97-104

3 O1-05-01: APOE4 plays a role in Abeta-mediated synapse loss in Alzheimer's disease **2011**, 7, S103-S104

2 PL-05-01: A transgenic model of the earliest stage of Alzheimer's disease **2010**, 6, S165-S165

1 Spine tingling polymorphisms--is apolipoprotein E involved in dendritic shape and plasticity?. *Neurobiology of Aging*, **2007**, 28, 687-8; discussion 704-6

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