

Virginia M-Y Lee

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8873922/virginia-m-y-lee-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

302
papers

55,505
citations

106
h-index

234
g-index

307
ext. papers

64,559
ext. citations

10.2
avg, IF

7.63
L-index

#	Paper	IF	Citations
302	Alpha-synuclein in Lewy bodies. <i>Nature</i> , 1997 , 388, 839-40	50.4	5889
301	Ubiquitinated TDP-43 in frontotemporal lobar degeneration and amyotrophic lateral sclerosis. <i>Science</i> , 2006 , 314, 130-3	33.3	4289
300	Neurodegenerative tauopathies. <i>Annual Review of Neuroscience</i> , 2001 , 24, 1121-59	17	2089
299	Diagnosis and management of dementia with Lewy bodies: Fourth consensus report of the DLB Consortium. <i>Neurology</i> , 2017 , 89, 88-100	6.5	1691
298	Tau-mediated neurodegeneration in Alzheimer's disease and related disorders. <i>Nature Reviews Neuroscience</i> , 2007 , 8, 663-72	13.5	1526
297	Pathological β -synuclein transmission initiates Parkinson-like neurodegeneration in nontransgenic mice. <i>Science</i> , 2012 , 338, 949-53	33.3	1524
296	Cerebrospinal fluid biomarker signature in Alzheimer's disease neuroimaging initiative subjects. <i>Annals of Neurology</i> , 2009 , 65, 403-13	9.4	1502
295	A68: a major subunit of paired helical filaments and derivatized forms of normal Tau. <i>Science</i> , 1991 , 251, 675-8	33.3	1316
294	Synapse loss and microglial activation precede tangles in a P301S tauopathy mouse model. <i>Neuron</i> , 2007 , 53, 337-51	13.9	1243
293	Exogenous β -synuclein fibrils induce Lewy body pathology leading to synaptic dysfunction and neuron death. <i>Neuron</i> , 2011 , 72, 57-71	13.9	931
292	Neuronal alpha-synucleinopathy with severe movement disorder in mice expressing A53T human alpha-synuclein. <i>Neuron</i> , 2002 , 34, 521-33	13.9	928
291	Intracerebral inoculation of pathological β -synuclein initiates a rapidly progressive neurodegenerative β -synucleinopathy in mice. <i>Journal of Experimental Medicine</i> , 2012 , 209, 975-86	16.6	727
290	Synucleins are developmentally expressed, and alpha-synuclein regulates the size of the presynaptic vesicular pool in primary hippocampal neurons. <i>Journal of Neuroscience</i> , 2000 , 20, 3214-20	6.6	721
289	A hydrophobic stretch of 12 amino acid residues in the middle of alpha-synuclein is essential for filament assembly. <i>Journal of Biological Chemistry</i> , 2001 , 276, 2380-6	5.4	704
288	Initiation and synergistic fibrillization of tau and alpha-synuclein. <i>Science</i> , 2003 , 300, 636-40	33.3	666
287	Exogenous alpha-synuclein fibrils seed the formation of Lewy body-like intracellular inclusions in cultured cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 20051-6	11.5	615
286	Stages of pTDP-43 pathology in amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , 2013 , 74, 20-38	9.4	588

285	Glial cytoplasmic inclusions in white matter oligodendrocytes of multiple system atrophy brains contain insoluble alpha-synuclein. <i>Annals of Neurology</i> , 1998 , 44, 415-22	9.4	572
284	Solid-state NMR structure of a pathogenic fibril of full-length human β synuclein. <i>Nature Structural and Molecular Biology</i> , 2016 , 23, 409-15	17.6	565
283	Age-dependent emergence and progression of a tauopathy in transgenic mice overexpressing the shortest human tau isoform. <i>Neuron</i> , 1999 , 24, 751-62	13.9	510
282	Parkinson α disease dementia: convergence of β synuclein, tau and amyloid- β pathologies. <i>Nature Reviews Neuroscience</i> , 2013 , 14, 626-36	13.5	495
281	Spreading of pathology in neurodegenerative diseases: a focus on human studies. <i>Nature Reviews Neuroscience</i> , 2015 , 16, 109-20	13.5	484
280	Distinct β synuclein strains differentially promote tau inclusions in neurons. <i>Cell</i> , 2013 , 154, 103-17	56.2	476
279	Gains or losses: molecular mechanisms of TDP43-mediated neurodegeneration. <i>Nature Reviews Neuroscience</i> , 2011 , 13, 38-50	13.5	450
278	Synthetic tau fibrils mediate transmission of neurofibrillary tangles in a transgenic mouse model of Alzheimer α -like tauopathy. <i>Journal of Neuroscience</i> , 2013 , 33, 1024-37	6.6	434
277	Cell-to-cell transmission of pathogenic proteins in neurodegenerative diseases. <i>Nature Medicine</i> , 2014 , 20, 130-8	50.5	422
276	The acetylation of tau inhibits its function and promotes pathological tau aggregation. <i>Nature Communications</i> , 2011 , 2, 252	17.4	418
275	Lewy bodies contain altered alpha-synuclein in brains of many familial Alzheimer α disease patients with mutations in presenilin and amyloid precursor protein genes. <i>American Journal of Pathology</i> , 1998 , 153, 1365-70	5.8	418
274	Seeding of normal Tau by pathological Tau conformers drives pathogenesis of Alzheimer-like tangles. <i>Journal of Biological Chemistry</i> , 2011 , 286, 15317-31	5.4	416
273	Disturbance of nuclear and cytoplasmic TAR DNA-binding protein (TDP-43) induces disease-like redistribution, sequestration, and aggregate formation. <i>Journal of Biological Chemistry</i> , 2008 , 283, 13302-9	5.4	408
272	Increased F2-isoprostanes in Alzheimer α disease: evidence for enhanced lipid peroxidation in vivo. <i>FASEB Journal</i> , 1998 , 12, 1777-83	0.9	365
271	Mechanisms of Parkinson α disease linked to pathological alpha-synuclein: new targets for drug discovery. <i>Neuron</i> , 2006 , 52, 33-8	13.9	360
270	Phosphorylation of S409/410 of TDP-43 is a consistent feature in all sporadic and familial forms of TDP-43 proteinopathies. <i>Acta Neuropathologica</i> , 2009 , 117, 137-49	14.3	358
269	TAR DNA-binding protein 43 in neurodegenerative disease. <i>Nature Reviews Neurology</i> , 2010 , 6, 211-20	15	322
268	Neuropathologic substrates of Parkinson disease dementia. <i>Annals of Neurology</i> , 2012 , 72, 587-98	9.4	316

267	Addition of exogenous β synuclein preformed fibrils to primary neuronal cultures to seed recruitment of endogenous β synuclein to Lewy body and Lewy neurite-like aggregates. <i>Nature Protocols</i> , 2014 , 9, 2135-46	18.8	306
266	Cellular milieu imparts distinct pathological β synuclein strains in β synucleinopathies. <i>Nature</i> , 2018 , 557, 558-563	50.4	287
265	Dysregulation of the ALS-associated gene TDP-43 leads to neuronal death and degeneration in mice. <i>Journal of Clinical Investigation</i> , 2011 , 121, 726-38	15.9	284
264	The microtubule-stabilizing agent, epothilone D, reduces axonal dysfunction, neurotoxicity, cognitive deficits, and Alzheimer-like pathology in an interventional study with aged tau transgenic mice. <i>Journal of Neuroscience</i> , 2012 , 32, 3601-11	6.6	281
263	Expression profile of transcripts in Alzheimer β disease tangle-bearing CA1 neurons. <i>Annals of Neurology</i> , 2000 , 48, 77-87	9.4	281
262	Role of alpha-synuclein carboxy-terminus on fibril formation in vitro. <i>Biochemistry</i> , 2003 , 42, 8530-40	3.2	276
261	Novel antibodies to synuclein show abundant striatal pathology in Lewy body diseases. <i>Annals of Neurology</i> , 2002 , 52, 205-10	9.4	270
260	Concomitant TAR-DNA-binding protein 43 pathology is present in Alzheimer disease and corticobasal degeneration but not in other tauopathies. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008 , 67, 555-64	3.1	268
259	Pathological heterogeneity of frontotemporal lobar degeneration with ubiquitin-positive inclusions delineated by ubiquitin immunohistochemistry and novel monoclonal antibodies. <i>American Journal of Pathology</i> , 2006 , 169, 1343-52	5.8	266
258	Antibodies to alpha-synuclein detect Lewy bodies in many Down β syndrome brains with Alzheimer β disease. <i>Annals of Neurology</i> , 1999 , 45, 353-7	9.4	266
257	Tau in cerebrospinal fluid: a potential diagnostic marker in Alzheimer β disease. <i>Annals of Neurology</i> , 1995 , 38, 649-52	9.4	266
256	Amyloid- β plaques enhance Alzheimer β brain tau-seeded pathologies by facilitating neuritic plaque tau aggregation. <i>Nature Medicine</i> , 2018 , 24, 29-38	50.5	265
255	Expression of TDP-43 C-terminal Fragments in Vitro Recapitulates Pathological Features of TDP-43 Proteinopathies. <i>Journal of Biological Chemistry</i> , 2009 , 284, 8516-24	5.4	262
254	Therapeutic modulation of eIF2 β phosphorylation rescues TDP-43 toxicity in amyotrophic lateral sclerosis disease models. <i>Nature Genetics</i> , 2014 , 46, 152-60	36.3	256
253	In vivo microdialysis reveals age-dependent decrease of brain interstitial fluid tau levels in P301S human tau transgenic mice. <i>Journal of Neuroscience</i> , 2011 , 31, 13110-7	6.6	256
252	Mouse model of multiple system atrophy alpha-synuclein expression in oligodendrocytes causes glial and neuronal degeneration. <i>Neuron</i> , 2005 , 45, 847-59	13.9	256
251	Neurofilaments and orthograde transport are reduced in ventral root axons of transgenic mice that express human SOD1 with a G93A mutation. <i>Journal of Cell Biology</i> , 1997 , 139, 1307-15	7.3	247
250	Neuropathology of synuclein aggregates. <i>Journal of Neuroscience Research</i> , 2000 , 61, 121-7	4.4	247

249	Neurodegenerative disease concomitant proteinopathies are prevalent, age-related and APOE4-associated. <i>Brain</i> , 2018 , 141, 2181-2193	11.2	245
248	Loss of murine TDP-43 disrupts motor function and plays an essential role in embryogenesis. <i>Acta Neuropathologica</i> , 2010 , 119, 409-19	14.3	240
247	Fatal attractions: abnormal protein aggregation and neuron death in Parkinson disease and Lewy body dementia. <i>Cell Death and Differentiation</i> , 1998 , 5, 832-7	12.7	240
246	β-synuclein immunotherapy blocks uptake and templated propagation of misfolded β-synuclein and neurodegeneration. <i>Cell Reports</i> , 2014 , 7, 2054-65	10.6	237
245	Widespread transneuronal propagation of β-synucleinopathy triggered in olfactory bulb mimics prodromal Parkinson disease. <i>Journal of Experimental Medicine</i> , 2016 , 213, 1759-78	16.6	232
244	Selective clearance of aberrant tau proteins and rescue of neurotoxicity by transcription factor EB. <i>EMBO Molecular Medicine</i> , 2014 , 6, 1142-60	12	227
243	Enrichment of C-terminal fragments in TAR DNA-binding protein-43 cytoplasmic inclusions in brain but not in spinal cord of frontotemporal lobar degeneration and amyotrophic lateral sclerosis. <i>American Journal of Pathology</i> , 2008 , 173, 182-94	5.8	225
242	Qualification of the analytical and clinical performance of CSF biomarker analyses in ADNI. <i>Acta Neuropathologica</i> , 2011 , 121, 597-609	14.3	220
241	Evidence of multisystem disorder in whole-brain map of pathological TDP-43 in amyotrophic lateral sclerosis. <i>Archives of Neurology</i> , 2008 , 65, 636-41		216
240	Altered tau and neurofilament proteins in neuro-degenerative diseases: diagnostic implications for Alzheimer disease and Lewy body dementias. <i>Brain Pathology</i> , 1993 , 3, 45-54	6	211
239	Lewy body-like β-synuclein aggregates resist degradation and impair macroautophagy. <i>Journal of Biological Chemistry</i> , 2013 , 288, 15194-210	5.4	209
238	Update on the biomarker core of the Alzheimer Disease Neuroimaging Initiative subjects. <i>Alzheimer's and Dementia</i> , 2010 , 6, 230-8	1.2	209
237	Unique pathological tau conformers from Alzheimer brains transmit tau pathology in nontransgenic mice. <i>Journal of Experimental Medicine</i> , 2016 , 213, 2635-2654	16.6	208
236	Pathological Tau Strains from Human Brains Recapitulate the Diversity of Tauopathies in Nontransgenic Mouse Brain. <i>Journal of Neuroscience</i> , 2017 , 37, 11406-11423	6.6	197
235	Parahippocampal tau pathology in healthy aging, mild cognitive impairment, and early Alzheimer disease. <i>Annals of Neurology</i> , 2002 , 51, 182-9	9.4	195
234	Clinical and pathological continuum of multisystem TDP-43 proteinopathies. <i>Archives of Neurology</i> , 2009 , 66, 180-9		192
233	Sequential distribution of pTDP-43 pathology in behavioral variant frontotemporal dementia (bvFTD). <i>Acta Neuropathologica</i> , 2014 , 127, 423-439	14.3	183
232	Acetylated tau, a novel pathological signature in Alzheimer disease and other tauopathies. <i>Brain</i> , 2012 , 135, 807-18	11.2	171

231	Oxidative post-translational modifications of alpha-synuclein in the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) mouse model of Parkinson's disease. <i>Journal of Neurochemistry</i> , 2001 , 76, 637-40	6	166
230	Frontotemporal lobar degeneration: defining phenotypic diversity through personalized medicine. <i>Acta Neuropathologica</i> , 2015 , 129, 469-91	14.3	165
229	Transplanted human neurons derived from a teratocarcinoma cell line (NTera-2) mature, integrate, and survive for over 1 year in the nude mouse brain. <i>Journal of Comparative Neurology</i> , 1995 , 357, 618-32	3.4	162
228	Protein transmission in neurodegenerative disease. <i>Nature Reviews Neurology</i> , 2020 , 16, 199-212	15	153
227	Differential induction and spread of tau pathology in young PS19 tau transgenic mice following intracerebral injections of pathological tau from Alzheimer's disease or corticobasal degeneration brains. <i>Acta Neuropathologica</i> , 2015 , 129, 221-37	14.3	152
226	Formation of β -synuclein Lewy neurite-like aggregates in axons impedes the transport of distinct endosomes. <i>Molecular Biology of the Cell</i> , 2014 , 25, 4010-23	3.5	152
225	More than just two peas in a pod: common amyloidogenic properties of tau and alpha-synuclein in neurodegenerative diseases. <i>Trends in Neurosciences</i> , 2004 , 27, 129-34	13.3	152
224	Pattern of ubiquilin pathology in ALS and FTLN indicates presence of C9ORF72 hexanucleotide expansion. <i>Acta Neuropathologica</i> , 2012 , 123, 825-39	14.3	148
223	Loss of brain tau defines novel sporadic and familial tauopathies with frontotemporal dementia. <i>Annals of Neurology</i> , 2001 , 49, 165-75	9.4	146
222	Calcium entry and β -synuclein inclusions elevate dendritic mitochondrial oxidant stress in dopaminergic neurons. <i>Journal of Neuroscience</i> , 2013 , 33, 10154-64	6.6	144
221	Unique Alzheimer's disease paired helical filament specific epitopes involve double phosphorylation at specific sites. <i>Biochemistry</i> , 1997 , 36, 8114-24	3.2	144
220	Microglia-mediated recovery from ALS-relevant motor neuron degeneration in a mouse model of TDP-43 proteinopathy. <i>Nature Neuroscience</i> , 2018 , 21, 329-340	25.5	142
219	A β accelerates the spatiotemporal progression of tau pathology and augments tau amyloidosis in an Alzheimer mouse model. <i>American Journal of Pathology</i> , 2010 , 177, 1977-88	5.8	140
218	Evaluation of potential infectivity of Alzheimer and Parkinson disease proteins in recipients of cadaver-derived human growth hormone. <i>JAMA Neurology</i> , 2013 , 70, 462-8	17.2	139
217	Tau pathology spread in PS19 tau transgenic mice following locus coeruleus (LC) injections of synthetic tau fibrils is determined by the LC afferent and efferent connections. <i>Acta Neuropathologica</i> , 2015 , 130, 349-62	14.3	133
216	Sporadic Pick's disease: a tauopathy characterized by a spectrum of pathological tau isoforms in gray and white matter. <i>Annals of Neurology</i> , 2002 , 51, 730-9	9.4	130
215	Functional recovery in new mouse models of ALS/FTLD after clearance of pathological cytoplasmic TDP-43. <i>Acta Neuropathologica</i> , 2015 , 130, 643-60	14.3	129
214	"Fatal attractions" of proteins. A comprehensive hypothetical mechanism underlying Alzheimer's disease and other neurodegenerative disorders. <i>Annals of the New York Academy of Sciences</i> , 2000 , 924, 62-7	6.5	129

213	Characterization of two VQIXXK motifs for tau fibrillization in vitro. <i>Biochemistry</i> , 2006 , 45, 15692-701	3.2	126
212	Distinct binding of PET ligands PBB3 and AV-1451 to tau fibril strains in neurodegenerative tauopathies. <i>Brain</i> , 2017 , 140, 764-780	11.2	125
211	Functional synapses are formed between human NTera2 (NT2N, hNT) neurons grown on astrocytes. <i>Journal of Comparative Neurology</i> , 1999 , 407, 1-10	3.4	122
210	Immunohistochemical and biochemical studies demonstrate a distinct profile of alpha-synuclein permutations in multiple system atrophy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2000 , 59, 830-41	3.1	121
209	Sequestration of RNA in Alzheimer's disease neurofibrillary tangles and senile plaques. <i>Annals of Neurology</i> , 1997 , 41, 200-9	9.4	120
208	Intracerebral injection of preformed synthetic tau fibrils initiates widespread tauopathy and neuronal loss in the brains of tau transgenic mice. <i>Neurobiology of Disease</i> , 2015 , 73, 83-95	7.5	119
207	Ubiquitination of alpha-synuclein is not required for formation of pathological inclusions in alpha-synucleinopathies. <i>American Journal of Pathology</i> , 2003 , 163, 91-100	5.8	119
206	A platform for discovery: The University of Pennsylvania Integrated Neurodegenerative Disease Biobank. <i>Alzheimer's and Dementia</i> , 2014 , 10, 477-484.e1	1.2	118
205	From genotype to phenotype: a clinical pathological, and biochemical investigation of frontotemporal dementia and parkinsonism (FTDP-17) caused by the P301L tau mutation. <i>Annals of Neurology</i> , 1999 , 45, 704-15	9.4	118
204	Signature tau neuropathology in gray and white matter of corticobasal degeneration. <i>American Journal of Pathology</i> , 2002 , 160, 2045-53	5.8	116
203	TDP-43 Depletion in Microglia Promotes Amyloid Clearance but Also Induces Synapse Loss. <i>Neuron</i> , 2017 , 95, 297-308.e6	13.9	115
202	Synucleins are expressed in the majority of breast and ovarian carcinomas and in preneoplastic lesions of the ovary 2000 , 88, 2154-2163		113
201	alpha-synuclein is developmentally expressed in cultured rat brain oligodendrocytes. <i>Journal of Neuroscience Research</i> , 2000 , 62, 9-14	4.4	113
200	Predominance of neuronal mRNAs in individual Alzheimer's disease senile plaques. <i>Annals of Neurology</i> , 1999 , 45, 174-181	9.4	110
199	Lewy body pathology in Alzheimer's disease. <i>Journal of Molecular Neuroscience</i> , 2001 , 17, 225-32	3.3	108
198	Modeling Parkinson's disease pathology by combination of fibril seeds and synuclein overexpression in the rat brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8284-E8293	11.5	106
197	Deep clinical and neuropathological phenotyping of Pick disease. <i>Annals of Neurology</i> , 2016 , 79, 272-87	9.4	106
196	Molecular and Biological Compatibility with Host Alpha-Synuclein Influences Fibril Pathogenicity. <i>Cell Reports</i> , 2016 , 16, 3373-3387	10.6	105

195	Mechanisms of Cell-to-Cell Transmission of Pathological Tau: A Review. <i>JAMA Neurology</i> , 2019 , 76, 101-108	10.2	105
194	Human olfactory epithelium in normal aging, Alzheimer's disease, and other neurodegenerative disorders. <i>Journal of Comparative Neurology</i> , 1991 , 310, 365-76	3.4	102
193	Perforant path synaptic loss correlates with cognitive impairment and Alzheimer's disease in the oldest-old. <i>Brain</i> , 2014 , 137, 2578-87	11.2	101
192	RNA sequestration to pathological lesions of neurodegenerative diseases. <i>Acta Neuropathologica</i> , 1998 , 96, 487-94	14.3	101
191	TDP-43 proteinopathies: neurodegenerative protein misfolding diseases without amyloidosis. <i>NeuroSignals</i> , 2008 , 16, 41-51	1.9	101
190	Spread of β -synuclein pathology through the brain connectome is modulated by selective vulnerability and predicted by network analysis. <i>Nature Neuroscience</i> , 2019 , 22, 1248-1257	25.5	100
189	Therapeutic strategies for tau mediated neurodegeneration. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013 , 84, 784-95	5.5	100
188	Tau and axonopathy in neurodegenerative disorders. <i>NeuroMolecular Medicine</i> , 2002 , 2, 131-50	4.6	100
187	Passive immunization with phospho-tau antibodies reduces tau pathology and functional deficits in two distinct mouse tauopathy models. <i>PLoS ONE</i> , 2015 , 10, e0125614	3.7	99
186	Spread of aggregates after olfactory bulb injection of β -synuclein fibrils is associated with early neuronal loss and is reduced long term. <i>Acta Neuropathologica</i> , 2018 , 135, 65-83	14.3	98
185	Transgenic animal models of tauopathies. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005 , 1739, 251-9	6.9	97
184	Type I interferon response drives neuroinflammation and synapse loss in Alzheimer disease. <i>Journal of Clinical Investigation</i> , 2020 , 130, 1912-1930	15.9	97
183	Patient-derived frontotemporal lobar degeneration brain extracts induce formation and spreading of TDP-43 pathology in vivo. <i>Nature Communications</i> , 2018 , 9, 4220	17.4	96
182	TFEB enhances astroglial uptake of extracellular tau species and reduces tau spreading. <i>Journal of Experimental Medicine</i> , 2018 , 215, 2355-2377	16.6	94
181	Association of Cerebrospinal Fluid Neurofilament Light Protein Levels With Cognition in Patients With Dementia, Motor Neuron Disease, and Movement Disorders. <i>JAMA Neurology</i> , 2019 , 76, 318-325	17.2	94
180	TREM2 function impedes tau seeding in neuritic plaques. <i>Nature Neuroscience</i> , 2019 , 22, 1217-1222	25.5	92
179	Human and rodent Alzheimer beta-amyloid peptides acquire distinct conformations in membrane-mimicking solvents. <i>FEBS Journal</i> , 1993 , 211, 249-57		92
178	Frontotemporal dementia with novel tau pathology and a Glu342Val tau mutation. <i>Annals of Neurology</i> , 2000 , 48, 850-858	9.4	91

177	Selective imaging of internalized proteopathic β synuclein seeds in primary neurons reveals mechanistic insight into transmission of synucleinopathies. <i>Journal of Biological Chemistry</i> , 2017 , 292, 13482-13497	5.4	90
176	A "two-hit" hypothesis for inclusion formation by carboxyl-terminal fragments of TDP-43 protein linked to RNA depletion and impaired microtubule-dependent transport. <i>Journal of Biological Chemistry</i> , 2011 , 286, 18845-55	5.4	90
175	Cardiovascular risk factors, cortisol, and amyloid- β deposition in Alzheimer's Disease Neuroimaging Initiative. <i>Alzheimer's and Dementia</i> , 2012 , 8, 483-9	1.2	89
174	Molecular milestones that signal axonal maturation and the commitment of human spinal cord precursor cells to the neuronal or glial phenotype in development. <i>Journal of Comparative Neurology</i> , 1991 , 310, 285-99	3.4	88
173	Distinct β synuclein strains and implications for heterogeneity among β synucleinopathies. <i>Neurobiology of Disease</i> , 2018 , 109, 209-218	7.5	87
172	Expression of trk receptors in the developing and adult human central and peripheral nervous system. <i>Journal of Comparative Neurology</i> , 1995 , 356, 387-97	3.4	86
171	β synuclein pathology in Parkinson's disease and related β synucleinopathies. <i>Neuroscience Letters</i> , 2019 , 709, 134316	3.3	85
170	Modeling Lewy pathology propagation in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2014 , 20 Suppl 1, S85-7	3.6	85
169	Distribution patterns of tau pathology in progressive supranuclear palsy. <i>Acta Neuropathologica</i> , 2020 , 140, 99-119	14.3	84
168	Cerebrospinal fluid neurogranin concentration in neurodegeneration: relation to clinical phenotypes and neuropathology. <i>Acta Neuropathologica</i> , 2018 , 136, 363-376	14.3	83
167	Acetylated tau neuropathology in sporadic and hereditary tauopathies. <i>American Journal of Pathology</i> , 2013 , 183, 344-51	5.8	83
166	Developing therapeutic approaches to tau, selected kinases, and related neuronal protein targets. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2011 , 1, a006437	5.4	81
165	Best Practices for Generating and Using Alpha-Synuclein Pre-Formed Fibrils to Model Parkinson's Disease in Rodents. <i>Journal of Parkinson's Disease</i> , 2018 , 8, 303-322	5.3	80
164	Microglial activation and TDP-43 pathology correlate with executive dysfunction in amyotrophic lateral sclerosis. <i>Acta Neuropathologica</i> , 2012 , 123, 395-407	14.3	80
163	Non-Alzheimer's contributions to dementia and cognitive resilience in The 90+ Study. <i>Acta Neuropathologica</i> , 2018 , 136, 377-388	14.3	78
162	The fluorescent Congo red derivative, (trans, trans)-1-bromo-2,5-bis-(3-hydroxycarbonyl-4-hydroxy)styrylbenzene (BSB), labels diverse beta-pleated sheet structures in postmortem human neurodegenerative disease brains. <i>American Journal of Pathology</i> , 2011 , 178, 227-42	5.8	76
161	Twofold overexpression of human beta-amyloid precursor proteins in transgenic mice does not affect the neuromotor, cognitive, or neurodegenerative sequelae following experimental brain injury. <i>Journal of Comparative Neurology</i> , 1998 , 392, 428-38	3.4	74
160	Therapeutic strategies for the treatment of tauopathies: Hopes and challenges. <i>Alzheimer's and Dementia</i> , 2016 , 12, 1051-1065	1.2	73

159	Neurofibrillary tangle-like tau pathology induced by synthetic tau fibrils in primary neurons over-expressing mutant tau. <i>FEBS Letters</i> , 2013 , 587, 717-23	3.8	73
158	Microtubule-stabilizing agents as potential therapeutics for neurodegenerative disease. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 5040-9	3.4	72
157	Neuronal localization of the TNFalpha converting enzyme (TACE) in brain tissue and its correlation to amyloid plaques. <i>Journal of Neurobiology</i> , 2001 , 49, 40-6		72
156	Amyloid binding ligands as Alzheimer's disease therapies. <i>Neurobiology of Aging</i> , 2002 , 23, 1039-42	5.6	72
155	Evaluating the Patterns of Aging-Related Tau Astroglipathy Unravels Novel Insights Into Brain Aging and Neurodegenerative Diseases. <i>Journal of Neuropathology and Experimental Neurology</i> , 2017 , 76, 270-288	3.1	71
154	Brain Microvascular Pericytes in Vascular Cognitive Impairment and Dementia. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 80	5.3	71
153	A distinct ER/IC gamma-secretase competes with the proteasome for cleavage of APP. <i>Biochemistry</i> , 2000 , 39, 810-7	3.2	71
152	Amyloid-Beta (A β) Plaques Promote Seeding and Spreading of Alpha-Synuclein and Tau in a Mouse Model of Lewy Body Disorders with A β Pathology. <i>Neuron</i> , 2020 , 105, 260-275.e6	13.9	69
151	Differential β synuclein expression contributes to selective vulnerability of hippocampal neuron subpopulations to fibril-induced toxicity. <i>Acta Neuropathologica</i> , 2018 , 135, 855-875	14.3	67
150	Secretion and intracellular generation of truncated A β in beta-site amyloid-beta precursor protein-cleaving enzyme expressing human neurons. <i>Journal of Biological Chemistry</i> , 2003 , 278, 4458-66	5.4	67
149	Novel method to quantify neuropil threads in brains from elders with or without cognitive impairment. <i>Journal of Histochemistry and Cytochemistry</i> , 2000 , 48, 1627-38	3.4	66
148	Multimodal evaluation demonstrates in vivo F-AV-1451 uptake in autopsy-confirmed corticobasal degeneration. <i>Acta Neuropathologica</i> , 2016 , 132, 935-937	14.3	65
147	Aggregation of β synuclein in <i>S. cerevisiae</i> is associated with defects in endosomal trafficking and phospholipid biosynthesis. <i>Journal of Molecular Neuroscience</i> , 2011 , 43, 391-405	3.3	62
146	Phosphorylated tau as a candidate biomarker for amyotrophic lateral sclerosis. <i>JAMA Neurology</i> , 2014 , 71, 442-8	17.2	58
145	Tau phosphorylation in human, primate, and rat brain: evidence that a pool of tau is highly phosphorylated in vivo and is rapidly dephosphorylated in vitro. <i>Journal of Neurochemistry</i> , 1994 , 63, 2279-87	6	58
144	Transmission of tauopathy strains is independent of their isoform composition. <i>Nature Communications</i> , 2020 , 11, 7	17.4	58
143	Activation of HIPK2 Promotes ER Stress-Mediated Neurodegeneration in Amyotrophic Lateral Sclerosis. <i>Neuron</i> , 2016 , 91, 41-55	13.9	57
142	Calcium dysregulation contributes to neurodegeneration in FTLN patient iPSC-derived neurons. <i>Scientific Reports</i> , 2016 , 6, 34904	4.9	56

141	Altered microtubule dynamics in neurodegenerative disease: Therapeutic potential of microtubule-stabilizing drugs. <i>Neurobiology of Disease</i> , 2017 , 105, 328-335	7.5	54
140	Humanization of the entire murine gene provides a murine model of pathological human tau propagation. <i>Journal of Biological Chemistry</i> , 2019 , 294, 12754-12765	5.4	54
139	Transmission of β -synuclein seeds in neurodegenerative disease: recent developments. <i>Laboratory Investigation</i> , 2019 , 99, 971-981	5.9	53
138	High-Contrast In Vivo Imaging of Tau Pathologies in Alzheimer \otimes and Non-Alzheimer \otimes Disease Tauopathies. <i>Neuron</i> , 2021 , 109, 42-58.e8	13.9	53
137	Intrastriatal alpha-synuclein fibrils in monkeys: spreading, imaging and neuropathological changes. <i>Brain</i> , 2019 , 142, 3565-3579	11.2	50
136	Elevated CSF GAP-43 is Alzheimer \otimes disease specific and associated with tau and amyloid pathology. <i>Alzheimer's and Dementia</i> , 2019 , 15, 55-64	1.2	50
135	Sequential stages and distribution patterns of aging-related tau astroglipathy (ARTAG) in the human brain. <i>Acta Neuropathologica Communications</i> , 2018 , 6, 50	7.3	49
134	Cognitive, neuroimaging, and pathological studies in a patient with Pick \otimes disease. <i>Annals of Neurology</i> , 1998 , 43, 259-65	9.4	49
133	Sex-specific genetic predictors of Alzheimer \otimes disease biomarkers. <i>Acta Neuropathologica</i> , 2018 , 136, 857-872	14.3	48
132	TDP-43 immunoreactivity in anoxic, ischemic and neoplastic lesions of the central nervous system. <i>Acta Neuropathologica</i> , 2008 , 115, 305-11	14.3	47
131	Accumulation of intracellular amyloid-beta peptide (A beta 1-40) in mucopolysaccharidosis brains. <i>Journal of Neuropathology and Experimental Neurology</i> , 1999 , 58, 815-24	3.1	46
130	Alzheimer \otimes disease tau is a prominent pathology in LRRK2 Parkinson \otimes disease. <i>Acta Neuropathologica Communications</i> , 2019 , 7, 183	7.3	46
129	β -Synuclein (β Syn) Preformed Fibrils Induce Endogenous β Syn Aggregation, Compromise Synaptic Activity and Enhance Synapse Loss in Cultured Excitatory Hippocampal Neurons. <i>Journal of Neuroscience</i> , 2019 , 39, 5080-5094	6.6	45
128	In vivo measurement of glutamate loss is associated with synapse loss in a mouse model of tauopathy. <i>NeuroImage</i> , 2014 , 101, 185-92	7.9	45
127	Monoclonal antibodies to purified cortical Lewy bodies recognize the mid-size neurofilament subunit. <i>Annals of Neurology</i> , 1997 , 42, 595-603	9.4	44
126	TDP-43 Promotes Neurodegeneration by Impairing Chromatin Remodeling. <i>Current Biology</i> , 2017 , 27, 3579-3590.e6	6.3	43
125	Characterization of tau fibrillization in vitro. <i>Alzheimer's and Dementia</i> , 2010 , 6, 110-7	1.2	43
124	The Dynamics and Turnover of Tau Aggregates in Cultured Cells: INSIGHTS INTO THERAPIES FOR TAUOPATHIES. <i>Journal of Biological Chemistry</i> , 2016 , 291, 13175-93	5.4	43

123	Detection of Alzheimer Disease (AD)-Specific Tau Pathology in AD and NonAD Tauopathies by Immunohistochemistry With Novel Conformation-Selective Tau Antibodies. <i>Journal of Neuropathology and Experimental Neurology</i> , 2018 , 77, 216-228	3.1	42
122	Purification of paired helical filament tau and normal tau from human brain tissue. <i>Methods in Enzymology</i> , 1999 , 309, 81-9	1.7	42
121	Comparative survey of the topographical distribution of signature molecular lesions in major neurodegenerative diseases. <i>Journal of Comparative Neurology</i> , 2013 , 521, 4339-55	3.4	41
120	Cognitive and Pathological Influences of Tau Pathology in Lewy Body Disorders. <i>Annals of Neurology</i> , 2019 , 85, 259-271	9.4	41
119	Cell-to-Cell Transmission of Tau and β Synuclein. <i>Trends in Molecular Medicine</i> , 2020 , 26, 936-952	11.5	39
118	Selective Motor Neuron Resistance and Recovery in a New Inducible Mouse Model of TDP-43 Proteinopathy. <i>Journal of Neuroscience</i> , 2016 , 36, 7707-17	6.6	39
117	Human tau pathology transmits glial tau aggregates in the absence of neuronal tau. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	39
116	Glucocerebrosidase Activity Modulates Neuronal Susceptibility to Pathological β Synuclein Insult. <i>Neuron</i> , 2020 , 105, 822-836.e7	13.9	39
115	Novel conformation-selective alpha-synuclein antibodies raised against different in vitro fibril forms show distinct patterns of Lewy pathology in Parkinson α disease. <i>Neuropathology and Applied Neurobiology</i> , 2017 , 43, 604-620	5.2	38
114	Genetic and neuroanatomic associations in sporadic frontotemporal lobar degeneration. <i>Neurobiology of Aging</i> , 2014 , 35, 1473-82	5.6	38
113	Neurofilament sidearm proteolysis is a prominent early effect of axotomy in lamprey giant central neurons. <i>Journal of Comparative Neurology</i> , 1995 , 353, 38-49	3.4	37
112	Evaluation of the brain-penetrant microtubule-stabilizing agent, dictyostatin, in the PS19 tau transgenic mouse model of tauopathy. <i>Acta Neuropathologica Communications</i> , 2016 , 4, 106	7.3	36
111	Neurofilament reassembly in vitro: biochemical, morphological and immuno-electron microscopic studies employing monoclonal antibodies to defined epitopes. <i>Brain Research</i> , 1991 , 556, 181-95	3.7	36
110	Impact of TREM2 risk variants on brain region-specific immune activation and plaque microenvironment in Alzheimer α disease patient brain samples. <i>Acta Neuropathologica</i> , 2019 , 138, 613-630	14.3	35
109	Asymmetry of post-mortem neuropathology in behavioural-variant frontotemporal dementia. <i>Brain</i> , 2018 , 141, 288-301	11.2	34
108	Tau and 14-3-3 in glial cytoplasmic inclusions of multiple system atrophy. <i>Acta Neuropathologica</i> , 2003 , 106, 243-50	14.3	34
107	Inhibition of axonal development after injection of neurofilament antibodies into a <i>Xenopus laevis</i> embryo. <i>Journal of Comparative Neurology</i> , 1991 , 308, 576-85	3.4	34
106	An insoluble frontotemporal lobar degeneration-associated TDP-43 C-terminal fragment causes neurodegeneration and hippocampus pathology in transgenic mice. <i>Human Molecular Genetics</i> , 2015 , 24, 7241-54	5.6	33

105	C9orf72 intermediate repeats are associated with corticobasal degeneration, increased C9orf72 expression and disruption of autophagy. <i>Acta Neuropathologica</i> , 2019 , 138, 795-811	14.3	33
104	Differential effects of spinal cord gray and white matter on process outgrowth from grafted human NTERA2 neurons (NT2N, hNT). <i>Journal of Comparative Neurology</i> , 1999 , 415, 404-18	3.4	33
103	MT-Stabilizer, Dictyostatin, Exhibits Prolonged Brain Retention and Activity: Potential Therapeutic Implications. <i>ACS Medicinal Chemistry Letters</i> , 2013 , 4, 886-9	4.3	32
102	Individual neurofilament subunits reassembled in vitro exhibit unique biochemical, morphological and immunological properties. <i>Brain Research</i> , 1991 , 556, 196-208	3.7	32
101	Measurements of auto-antibodies to β synuclein in the serum and cerebral spinal fluids of patients with Parkinson's disease. <i>Journal of Neurochemistry</i> , 2018 , 145, 489-503	6	31
100	Dramatic increase of the RNA editing for glutamate receptor subunits during terminal differentiation of clonal human neurons. <i>Journal of Neurochemistry</i> , 1997 , 69, 43-52	6	31
99	Mice with disrupted midsize and heavy neurofilament genes lack axonal neurofilaments but have unaltered numbers of axonal microtubules. <i>Journal of Neuroscience Research</i> , 1999 , 57, 23-32	4.4	31
98	Neurotrophins and neuronal versus glial differentiation in medulloblastomas and other pediatric brain tumors. <i>Acta Neuropathologica</i> , 1998 , 95, 325-32	14.3	29
97	The differential role of protein kinase C isozymes in the rapid induction of neurofilament phosphorylation by nerve growth factor and phorbol esters in PC12 cells. <i>Journal of Neurochemistry</i> , 1991 , 57, 802-10	6	28
96	Cognitive reserve in frontotemporal degeneration: Neuroanatomic and neuropsychological evidence. <i>Neurology</i> , 2016 , 87, 1813-1819	6.5	28
95	Slow Progressive Accumulation of Oligodendroglial Alpha-Synuclein (β Syn) Pathology in Synthetic β Syn Fibril-Induced Mouse Models of Synucleinopathy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2019 , 78, 877-890	3.1	27
94	Drosha inclusions are new components of dipeptide-repeat protein aggregates in FTLD-TDP and ALS C9orf72 expansion cases. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015 , 74, 380-7	3.1	26
93	Aberrant activation of non-coding RNA targets of transcriptional elongation complexes contributes to TDP-43 toxicity. <i>Nature Communications</i> , 2018 , 9, 4406	17.4	26
92	LRRK2 activity does not dramatically alter β synuclein pathology in primary neurons. <i>Acta Neuropathologica Communications</i> , 2018 , 6, 45	7.3	25
91	Unbiased Proteomics of Early Lewy Body Formation Model Implicates Active Microtubule Affinity-Regulating Kinases (MARKs) in Synucleinopathies. <i>Journal of Neuroscience</i> , 2017 , 37, 5870-5884	6.6	24
90	Forebrain overexpression of alpha-synuclein leads to early postnatal hippocampal neuron loss and synaptic disruption. <i>Experimental Neurology</i> , 2010 , 221, 86-97	5.7	24
89	The effects of aspartic acid-bond isomerization on in vitro properties of the amyloid beta-peptide as modeled with N-terminal decapeptide fragments. <i>International Journal of Peptide and Protein Research</i> , 1996 , 47, 289-96		24
88	Tau immunophenotypes in chronic traumatic encephalopathy recapitulate those of ageing and Alzheimer's disease. <i>Brain</i> , 2020 , 143, 1572-1587	11.2	23

87	Comparison of strategies for non-perturbing labeling of β synuclein to study amyloidogenesis. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 1584-92	3.9	23
86	Transcriptomic Changes Due to Cytoplasmic TDP-43 Expression Reveal Dysregulation of Histone Transcripts and Nuclear Chromatin. <i>PLoS ONE</i> , 2015 , 10, e0141836	3.7	23
85	eIF4B and eIF4H mediate GR production from expanded G4C2 in a Drosophila model for C9orf72-associated ALS. <i>Acta Neuropathologica Communications</i> , 2019 , 7, 62	7.3	22
84	Evaluation of Oxetan-3-ol, Thietan-3-ol, and Derivatives Thereof as Bioisosteres of the Carboxylic Acid Functional Group. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 864-868	4.3	22
83	Frontotemporal dementia and tauopathy. <i>Current Neurology and Neuroscience Reports</i> , 2001 , 1, 413-21	6.6	22
82	A "Clickable" Photoconvertible Small Fluorescent Molecule as a Minimalist Probe for Tracking Individual Biomolecule Complexes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1893-1897	16.4	22
81	Neurotrophin signal transduction in medulloblastoma. <i>Journal of Neuroscience Research</i> , 1997 , 49, 522-7	4.4	21
80	LRRK2 inhibition does not impart protection from β synuclein pathology and neuron death in non-transgenic mice. <i>Acta Neuropathologica Communications</i> , 2019 , 7, 28	7.3	20
79	Neuron loss and degeneration in the progression of TDP-43 in frontotemporal lobar degeneration. <i>Acta Neuropathologica Communications</i> , 2017 , 5, 68	7.3	20
78	GFP-Mutant Human Tau Transgenic Mice Develop Tauopathy Following CNS Injections of Alzheimer β Brain-Derived Pathological Tau or Synthetic Mutant Human Tau Fibrils. <i>Journal of Neuroscience</i> , 2017 , 37, 11485-11494	6.6	19
77	The Sigma-2 Receptor/TMEM97, PGRMC1, and LDL Receptor Complex Are Responsible for the Cellular Uptake of A β 2 and Its Protein Aggregates. <i>Molecular Neurobiology</i> , 2020 , 57, 3803-3813	6.2	19
76	Novel monoclonal antibodies to normal and pathologically altered human TDP-43 proteins. <i>Acta Neuropathologica Communications</i> , 2014 , 2, 33	7.3	19
75	Modulating TRADD to restore cellular homeostasis and inhibit apoptosis. <i>Nature</i> , 2020 , 587, 133-138	50.4	19
74	UNC13A polymorphism contributes to frontotemporal disease in sporadic amyotrophic lateral sclerosis. <i>Neurobiology of Aging</i> , 2019 , 73, 190-199	5.6	19
73	Characterization of tau binding by gosuranemab. <i>Neurobiology of Disease</i> , 2020 , 146, 105120	7.5	18
72	Myelin oligodendrocyte basic protein and prognosis in behavioral-variant frontotemporal dementia. <i>Neurology</i> , 2014 , 83, 502-9	6.5	17
71	Neurofilament breakdown products in degenerating rat and human peripheral nerves. <i>Annals of Neurology</i> , 1984 , 16, 349-55	9.4	17
70	A brain-penetrant triazolopyrimidine enhances microtubule-stability, reduces axonal dysfunction and decreases tau pathology in a mouse tauopathy model. <i>Molecular Neurodegeneration</i> , 2018 , 13, 59	19	17

69	An HDAC6-dependent surveillance mechanism suppresses tau-mediated neurodegeneration and cognitive decline. <i>Nature Communications</i> , 2020 , 11, 5522	17.4	16
68	Reduction of matrix metalloproteinase 9 (MMP-9) protects motor neurons from TDP-43-triggered death in rNLS8 mice. <i>Neurobiology of Disease</i> , 2019 , 124, 133-140	7.5	16
67	Converging Patterns of β Synuclein Pathology in Multiple System Atrophy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2018 , 77, 1005-1016	3.1	16
66	Drosophila Ref1/ALYREF regulates transcription and toxicity associated with ALS/FTD disease etiologies. <i>Acta Neuropathologica Communications</i> , 2019 , 7, 65	7.3	15
65	Detection of Alzheimer's disease (AD) specific tau pathology with conformation-selective anti-tau monoclonal antibody in co-morbid frontotemporal lobar degeneration-tau (FTLD-tau). <i>Acta Neuropathologica Communications</i> , 2019 , 7, 34	7.3	15
64	Cerebrospinal Fluid Total and Phosphorylated β Synuclein in Patients with Creutzfeldt-Jakob Disease and Synucleinopathy. <i>Molecular Neurobiology</i> , 2019 , 56, 3476-3483	6.2	15
63	Effect of genetic risk factors and disease progression on the cerebrospinal fluid tau levels in Alzheimer's disease. <i>Journal of the American Geriatrics Society</i> , 1997 , 45, 1228-31	5.6	15
62	β Synuclein modulates tau spreading in mouse brains. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	15
61	Activity of the poly(A) binding protein MSUT2 determines susceptibility to pathological tau in the mammalian brain. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	15
60	Stereotaxic Targeting of Alpha-Synuclein Pathology in Mouse Brain Using Preformed Fibrils. <i>Methods in Molecular Biology</i> , 2019 , 1948, 45-57	1.4	14
59	A model for improving the treatment and care of Alzheimer's disease patients through interdisciplinary research. <i>Alzheimer's and Dementia</i> , 2012 , 8, 564-73	1.2	14
58	Neurofilaments of aged rats: The strengthened interneurofilament interaction and the reduced amount of NF-M. <i>Journal of Neuroscience Research</i> , 1999 , 58, 337-348	4.4	14
57	The development and convergence of co-pathologies in Alzheimer's disease. <i>Brain</i> , 2021 , 144, 953-962	11.2	14
56	High copy wildtype human 1N4R tau expression promotes early pathological tauopathy accompanied by cognitive deficits without progressive neurofibrillary degeneration. <i>Acta Neuropathologica Communications</i> , 2015 , 3, 33	7.3	13
55	Characterization of novel conformation-selective β Synuclein antibodies as potential immunotherapeutic agents for Parkinson's disease. <i>Neurobiology of Disease</i> , 2020 , 136, 104712	7.5	13
54	Neuronal activity modulates alpha-synuclein aggregation and spreading in organotypic brain slice cultures and in vivo. <i>Acta Neuropathologica</i> , 2020 , 140, 831-849	14.3	13
53	Distinct microglial response against Alzheimer's amyloid and tau pathologies characterized by P2Y12 receptor. <i>Brain Communications</i> , 2021 , 3, fcab011	4.5	13
52	Tau interactome maps synaptic and mitochondrial processes associated with neurodegeneration.. <i>Cell</i> , 2022 ,	56.2	11

51	Synthesis and characterization of high affinity fluorogenic β synuclein probes. <i>Chemical Communications</i> , 2020 , 56, 3567-3570	5.8	10
50	Progression of motor neuron disease is accelerated and the ability to recover is compromised with advanced age in rNLS8 mice. <i>Acta Neuropathologica Communications</i> , 2016 , 4, 105	7.3	10
49	The use of mouse models to study cell-to-cell transmission of pathological tau. <i>Methods in Cell Biology</i> , 2017 , 141, 287-305	1.8	10
48	Conserved Lysine Acetylation within the Microtubule-Binding Domain Regulates MAP2/Tau Family Members. <i>PLoS ONE</i> , 2016 , 11, e0168913	3.7	10
47	Nasal vaccine delivery attenuates brain pathology and cognitive impairment in tauopathy model mice. <i>Npj Vaccines</i> , 2020 , 5, 28	9.5	9
46	Biochemical and pathological characterization of frontotemporal dementia due to a Leu266Val mutation in microtubule-associated protein tau in an African American individual. <i>Acta Neuropathologica</i> , 2007 , 113, 471-9	14.3	9
45	Common neuropathological features underlie distinct clinical presentations in three siblings with hereditary diffuse leukoencephalopathy with spheroids caused by CSF1R p.Arg782His. <i>Acta Neuropathologica Communications</i> , 2015 , 3, 42	7.3	8
44	Defining and predicting transdiagnostic categories of neurodegenerative disease. <i>Nature Biomedical Engineering</i> , 2020 , 4, 787-800	19	8
43	In vitro amplification of pathogenic tau conserves disease-specific bioactive characteristics. <i>Acta Neuropathologica</i> , 2021 , 141, 193-215	14.3	8
42	Conformation-selective tau monoclonal antibodies inhibit tau pathology in primary neurons and a mouse model of Alzheimer's disease. <i>Molecular Neurodegeneration</i> , 2020 , 15, 64	19	7
41	AD-linked R47H- mutation induces disease-enhancing microglial states via AKT hyperactivation. <i>Science Translational Medicine</i> , 2021 , 13, eabe3947	17.5	7
40	Poly (ADP-ribose) Interacts With Phosphorylated β synuclein in Post Mortem PD Samples. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 704041	5.3	7
39	Genetic predictors of survival in behavioral variant frontotemporal degeneration. <i>Neurology</i> , 2019 , 93, e1707-e1714	6.5	6
38	Compound screening in cell-based models of tau inclusion formation: Comparison of primary neuron and HEK293 cell assays. <i>Journal of Biological Chemistry</i> , 2020 , 295, 4001-4013	5.4	5
37	Potent, long-acting cyclopentane-1,3-Dione thromboxane (A ₂)-receptor antagonists. <i>ACS Medicinal Chemistry Letters</i> , 2014 , 5, 1015-20	4.3	5
36	Domain structure of neurofilament subunits as revealed by monoclonal antibodies. <i>Journal of Cellular Biochemistry</i> , 1985 , 27, 181-7	4.7	5
35	Correction of microtubule defects within A β plaque-associated dystrophic axons results in lowered A β release and plaque deposition. <i>Alzheimer's and Dementia</i> , 2020 , 16, 1345-1357	1.2	5
34	Distinct brain-derived TDP-43 strains from FTLD-TDP subtypes induce diverse morphological TDP-43 aggregates and spreading patterns in vitro and in vivo. <i>Neuropathology and Applied Neurobiology</i> , 2021 , 47, 1033-1049	5.2	5

33	Computational modeling of tau pathology spread reveals patterns of regional vulnerability and the impact of a genetic risk factor. <i>Science Advances</i> , 2021 , 7,	14.3	5
32	Evaluation of the Structure-Activity Relationship of Microtubule-Targeting 1,2,4-Triazolo[1,5- <i>b</i>]pyrimidines Identifies New Candidates for Neurodegenerative Tauopathies. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 1073-1102	8.3	5
31	Frontotemporal dementia with novel tau pathology and a Glu342Val tau mutation 2000 , 48, 850		5
30	Parkinson's disease, dementia with Lewy bodies, multiple system atrophy and the spectrum of diseases with β -synuclein inclusions 2004 , 353-375		4
29	Neuroimmune interactions in Alzheimer's disease-New frontier with old challenges?. <i>Progress in Molecular Biology and Translational Science</i> , 2019 , 168, 183-201	4	4
28	Predominance of neuronal mRNAs in individual Alzheimer's disease senile plaques 1999 , 45, 174		4
27	Expression profile of transcripts in Alzheimer's disease tangle-bearing CA1 neurons 2000 , 48, 77		4
26	Alpha-synuclein from patient Lewy bodies exhibits distinct pathological activity that can be propagated in vitro. <i>Acta Neuropathologica Communications</i> , 2021 , 9, 188	7.3	3
25	TMEM106B modifies TDP-43 pathology in human ALS brain and cell-based models of TDP-43 proteinopathy. <i>Acta Neuropathologica</i> , 2021 , 142, 629-642	14.3	3
24	Thorn-shaped astrocytes in the depth of cortical sulci in Western Pacific ALS/Parkinsonism-Dementia complex. <i>Acta Neuropathologica</i> , 2020 , 140, 591-593	14.3	2
23	Neurofilament Light Chain Related to Longitudinal Decline in Frontotemporal Lobar Degeneration. <i>Neurology: Clinical Practice</i> , 2021 , 11, 105-116	1.7	2
22	Poly (ADP-ribose) induces β -synuclein aggregation in neuronal-like cells and interacts with phosphorylated β -synuclein in post mortem PD samples		2
21	IC-P-186: [¹¹ C]PBB3 PET Visualizes TAU Aggregates in Patients with FTDP-17 MAPT Gene Mutation 2016 , 12, P135-P136		2
20	LRRK2 Kinase Activity Does Not Alter Cell-Autonomous Tau Pathology Development in Primary Neurons. <i>Journal of Parkinson's Disease</i> , 2021 , 11, 1187-1196	5.3	2
19	Effects of microglial depletion and TREM2 deficiency on A β plaque burden and neuritic plaque tau pathology in 5XFAD mice. <i>Acta Neuropathologica Communications</i> , 2021 , 9, 150	7.3	2
18	Distinct characteristics of limbic-predominant age-related TDP-43 encephalopathy in Lewy body disease. <i>Acta Neuropathologica</i> , 2021 , 143, 15	14.3	2
17	Phiel et al. reply. <i>Nature</i> , 2011 , 480, E6-E6	50.4	1
16	Vitamin E reduces amyloidosis and improves cognitive function in Tg2576 mice following repetitive concussive brain injury. <i>Journal of Neurochemistry</i> , 2004 , 90, 1541-1541	6	1

15	Frontotemporal lobar degeneration 2005 , 481-493		1
14	P2-163: Performance Evaluation of New Absorbance-Based Elisas for Measuring Different Alpha-Synuclein (A-SYN) Species in CSF and Plasma 2016 , 12, P677-P678		1
13	Microglial transcriptome analysis in the rNLS8 mouse model of TDP-43 proteinopathy reveals discrete expression profiles associated with neurodegenerative progression and recovery. <i>Acta Neuropathologica Communications</i> , 2021 , 9, 140	7.3	1
12	Neurotrophin signal transduction in medulloblastoma 1997 , 49, 522		1
11	Expression profile of transcripts in Alzheimer's disease tangle-bearing CA1 neurons 2000 , 48, 77		1
10	Inhibition of CK2 mitigates Alzheimer's tau pathology by preventing NR2B synaptic mislocalization.. <i>Acta Neuropathologica Communications</i> , 2022 , 10, 30	7.3	1
9	Modeling the cellular fate of alpha-synuclein aggregates: A pathway to pathology.. <i>Current Opinion in Neurobiology</i> , 2022 , 72, 171-177	7.6	0
8	Insoluble Tau From Human FTDP-17 Cases Exhibit Unique Transmission Properties In Vivo. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020 , 79, 941-949	3.1	0
7	Slow motor neurons resist pathological TDP-43 and mediate motor recovery in the rNLS8 model of amyotrophic lateral sclerosis.. <i>Acta Neuropathologica Communications</i> , 2022 , 10, 75	7.3	0
6	O2-10-05: Cerebrospinal Fluid Levels of Amyloid Beta and Tau as Endophenotypes Reveal Novel Variants Potentially Informative for Alzheimer's Disease 2016 , 12, P252-P252		
5	[PL-040201]: CELL-TO-CELL TRANSMISSION OF PATHOLOGICAL TAU: A POTENTIAL MECHANISM OF DISEASE PROGRESSION IN ALZHEIMER'S AND OTHER TAUOPATHIES 2017 , 13, P1224		
4	Research on the brain. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2003 , 2003, pe29		
3	Mechanisms of slow axonal transport of β synuclein. <i>FASEB Journal</i> , 2007 , 21, A28		0.9
2	TDP-43 immunoreactivity in anoxic, ischemic and proliferating lesion of the central nervous system. <i>FASEB Journal</i> , 2008 , 22, 708.13		0.9
1	P1-139: THE CONTRIBUTION OF SEX-SPECIFIC ASSOCIATIONS IN GENETIC STUDIES OF ALZHEIMER'S DISEASE PATHOLOGY 2018 , 14, P327-P328		