

Jess vila de Grado

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475
papers

23,903
citations

82
h-index

132
g-index

500
ext. papers

26,710
ext. citations

6.4
avg, IF

7.08
L-index

#	Paper	IF	Citations
475	Functional recovery of paraplegic rats and motor axon regeneration in their spinal cords by olfactory ensheathing glia. <i>Neuron</i> , 2000 , 25, 425-35	13.9	680
474	Adult hippocampal neurogenesis is abundant in neurologically healthy subjects and drops sharply in patients with Alzheimer's disease. <i>Nature Medicine</i> , 2019 , 25, 554-560	50.5	655
473	Role of tau protein in both physiological and pathological conditions. <i>Physiological Reviews</i> , 2004 , 84, 361-84	47.9	641
472	Long-distance axonal regeneration in the transected adult rat spinal cord is promoted by olfactory ensheathing glia transplants. <i>Journal of Neuroscience</i> , 1998 , 18, 3803-15	6.6	616
471	Structural insights and biological effects of glycogen synthase kinase 3-specific inhibitor AR-A014418. <i>Journal of Biological Chemistry</i> , 2003 , 278, 45937-45	5.4	393
470	Identification of common variants influencing risk of the tauopathy progressive supranuclear palsy. <i>Nature Genetics</i> , 2011 , 43, 699-705	36.3	386
469	Glycogen synthase kinase 3: a drug target for CNS therapies. <i>Journal of Neurochemistry</i> , 2004 , 89, 1313-76		355
468	Olfactory ensheathing glia: properties and function. <i>Brain Research Bulletin</i> , 1998 , 46, 175-87	3.9	331
467	Spatial learning deficit in transgenic mice that conditionally over-express GSK-3beta in the brain but do not form tau filaments. <i>Journal of Neurochemistry</i> , 2002 , 83, 1529-33	6	291
466	GSK-3 α a pivotal kinase in Alzheimer disease. <i>Frontiers in Molecular Neuroscience</i> , 2014 , 7, 46	6.1	285
465	Polymerization of tau into filaments in the presence of heparin: the minimal sequence required for tau-tau interaction. <i>Journal of Neurochemistry</i> , 1996 , 67, 1183-90	6	283
464	Glycogen synthase kinase-3 inhibition is integral to long-term potentiation. <i>European Journal of Neuroscience</i> , 2007 , 25, 81-6	3.5	268
463	Controlled proteolysis of tubulin by subtilisin: localization of the site for MAP2 interaction. <i>Biochemistry</i> , 1984 , 23, 4675-81	3.2	257
462	Microtubule reduction in Alzheimer's disease and aging is independent of tau filament formation. <i>American Journal of Pathology</i> , 2003 , 162, 1623-7	5.8	252
461	Lithium inhibits Alzheimer's disease-like tau protein phosphorylation in neurons. <i>FEBS Letters</i> , 1997 , 411, 183-8	3.8	240
460	Tauopathies. <i>Cellular and Molecular Life Sciences</i> , 2007 , 64, 2219-33	10.3	226
459	Is oxidative damage the fundamental pathogenic mechanism of Alzheimer's and other neurodegenerative diseases?. <i>Free Radical Biology and Medicine</i> , 2002 , 33, 1475-9	7.8	222

458	Neuronal induction of the immunoproteasome in Huntington's disease. <i>Journal of Neuroscience</i> , 2003 , 23, 11653-61	6.6	218
457	Full reversal of Alzheimer's disease-like phenotype in a mouse model with conditional overexpression of glycogen synthase kinase-3. <i>Journal of Neuroscience</i> , 2006 , 26, 5083-90	6.6	217
456	Lithium protects cultured neurons against beta-amyloid-induced neurodegeneration. <i>FEBS Letters</i> , 1999 , 453, 260-4	3.8	206
455	GSK3: a possible link between beta amyloid peptide and tau protein. <i>Experimental Neurology</i> , 2010 , 223, 322-5	5.7	200
454	Role of the PI3K regulatory subunit in the control of actin organization and cell migration. <i>Journal of Cell Biology</i> , 2000 , 151, 249-62	7.3	198
453	Tau phosphorylation and aggregation in Alzheimer's disease pathology. <i>FEBS Letters</i> , 2006 , 580, 2922-7	3.8	182
452	Extracellular tau promotes intracellular calcium increase through M1 and M3 muscarinic receptors in neuronal cells. <i>Molecular and Cellular Neurosciences</i> , 2008 , 37, 673-81	4.8	177
451	Extracellular tau is toxic to neuronal cells. <i>FEBS Letters</i> , 2006 , 580, 4842-50	3.8	169
450	Chronic lithium administration to FTDP-17 tau and GSK-3beta overexpressing mice prevents tau hyperphosphorylation and neurofibrillary tangle formation, but pre-formed neurofibrillary tangles do not revert. <i>Journal of Neurochemistry</i> , 2006 , 99, 1445-55	6	169
449	GSK3 and tau: two convergence points in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2013 , 33 Suppl 1, S141-4	4.3	162
448	Chronic lithium treatment decreases mutant tau protein aggregation in a transgenic mouse model. <i>Journal of Alzheimer's Disease</i> , 2003 , 5, 301-8	4.3	159
447	In Alzheimer's disease, heme oxygenase is coincident with Alz50, an epitope of tau induced by 4-hydroxy-2-nonenal modification. <i>Journal of Neurochemistry</i> , 2000 , 75, 1234-41	6	145
446	Tau--an inhibitor of deacetylase HDAC6 function. <i>Journal of Neurochemistry</i> , 2009 , 109, 1756-66	6	143
445	Revisiting the Role of Acetylcholinesterase in Alzheimer's Disease: Cross-Talk with P-tau and β Amyloid. <i>Frontiers in Molecular Neuroscience</i> , 2011 , 4, 22	6.1	141
444	Viral DNA synthesis in cells infected by temperature-sensitive mutants of simian virus 40. <i>Journal of Virology</i> , 1974 , 14, 116-24	6.6	141
443	Proteasomal-dependent aggregate reversal and absence of cell death in a conditional mouse model of Huntington's disease. <i>Journal of Neuroscience</i> , 2001 , 21, 8772-81	6.6	136
442	Huntington's disease is a four-repeat tauopathy with tau nuclear rods. <i>Nature Medicine</i> , 2014 , 20, 881-5	50.5	135
441	Alzheimer's disease as an inflammatory disease. <i>Biomolecular Concepts</i> , 2017 , 8, 37-43	3.7	134

440	A walk through tau therapeutic strategies. <i>Acta Neuropathologica Communications</i> , 2019 , 7, 22	7.3	133
439	The neurite retraction induced by lysophosphatidic acid increases Alzheimer's disease-like Tau phosphorylation. <i>Journal of Biological Chemistry</i> , 1999 , 274, 37046-52	5.4	132
438	Constitutive Dyrk1A is abnormally expressed in Alzheimer disease, Down syndrome, Pick disease, and related transgenic models. <i>Neurobiology of Disease</i> , 2005 , 20, 392-400	7.5	125
437	Accelerated amyloid deposition, neurofibrillary degeneration and neuronal loss in double mutant APP/tau transgenic mice. <i>Neurobiology of Disease</i> , 2005 , 20, 814-22	7.5	124
436	Tissue-nonspecific alkaline phosphatase promotes the neurotoxicity effect of extracellular tau. <i>Journal of Biological Chemistry</i> , 2010 , 285, 32539-48	5.4	122
435	Evidence for the role of MAP1B in axon formation. <i>Molecular Biology of the Cell</i> , 2001 , 12, 2087-98	3.5	121
434	The marine compound spisulosine, an inhibitor of cell proliferation, promotes the disassembly of actin stress fibers. <i>Cancer Letters</i> , 2000 , 152, 23-9	9.9	116
433	Review: postchaperonin tubulin folding cofactors and their role in microtubule dynamics. <i>Journal of Structural Biology</i> , 2001 , 135, 219-29	3.4	116
432	Proteostasis of tau. Tau overexpression results in its secretion via membrane vesicles. <i>FEBS Letters</i> , 2012 , 586, 47-54	3.8	114
431	Direct Evidence of Internalization of Tau by Microglia In Vitro and In Vivo. <i>Journal of Alzheimer's Disease</i> , 2016 , 50, 77-87	4.3	113
430	Glycosaminoglycans and beta-amyloid, prion and tau peptides in neurodegenerative diseases. <i>Peptides</i> , 2002 , 23, 1323-32	3.8	111
429	Atypical, non-standard functions of the microtubule associated Tau protein. <i>Acta Neuropathologica Communications</i> , 2017 , 5, 91	7.3	110
428	Localization of the tubulin binding site for tau protein. <i>FEBS Journal</i> , 1985 , 153, 595-600		110
427	The role of extracellular Tau in the spreading of neurofibrillary pathology. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 113	6.1	106
426	MAP1B is required for Netrin 1 signaling in neuronal migration and axonal guidance. <i>Current Biology</i> , 2004 , 14, 840-50	6.3	106
425	DNA methylation map of mouse and human brain identifies target genes in Alzheimer's disease. <i>Brain</i> , 2013 , 136, 3018-27	11.2	104
424	Glycogen synthase kinase-3 plays a crucial role in tau exon 10 splicing and intranuclear distribution of SC35. Implications for Alzheimer's disease. <i>Journal of Biological Chemistry</i> , 2004 , 279, 3801-6	5.4	103
423	Estradiol prevents neural tau hyperphosphorylation characteristic of Alzheimer's disease. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1052, 210-24	6.5	102

422	Alzheimer-specific epitopes of tau represent lipid peroxidation-induced conformations. <i>Free Radical Biology and Medicine</i> , 2005 , 38, 746-54	7.8	102
421	High molecular weight neurofilament proteins are physiological substrates of adduction by the lipid peroxidation product hydroxynonenal. <i>Journal of Biological Chemistry</i> , 2002 , 277, 4644-8	5.4	102
420	Human DNA methylomes of neurodegenerative diseases show common epigenomic patterns. <i>Translational Psychiatry</i> , 2016 , 6, e718	8.6	101
419	Self assembly of microtubule associated protein tau into filaments resembling those found in Alzheimer disease. <i>Biochemical and Biophysical Research Communications</i> , 1986 , 141, 790-6	3.4	101
418	Prion peptide induces neuronal cell death through a pathway involving glycogen synthase kinase 3. <i>Biochemical Journal</i> , 2003 , 372, 129-36	3.8	100
417	Effect of the lipid peroxidation product acrolein on tau phosphorylation in neural cells. <i>Journal of Neuroscience Research</i> , 2003 , 71, 863-70	4.4	100
416	Alpha-helix structure in Alzheimer's disease aggregates of tau-protein. <i>Biochemistry</i> , 2002 , 41, 7150-5	3.2	100
415	N-terminal cleavage of GSK-3 by calpain: a new form of GSK-3 regulation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 22406-13	5.4	99
414	Role of neuroinflammation in adult neurogenesis and Alzheimer disease: therapeutic approaches. <i>Mediators of Inflammation</i> , 2013 , 2013, 260925	4.3	97
413	Oxidative imbalance in Alzheimer's disease. <i>Molecular Neurobiology</i> , 2005 , 31, 205-17	6.2	97
412	"Tau oligomers," what we know and what we don't know. <i>Frontiers in Neurology</i> , 2014 , 5, 1	4.1	96
411	Cooexpression of FTDP-17 tau and GSK-3beta in transgenic mice induce tau polymerization and neurodegeneration. <i>Neurobiology of Aging</i> , 2006 , 27, 1258-68	5.6	96
410	PARK2 enhancement is able to compensate mitophagy alterations found in sporadic Alzheimer's disease. <i>Human Molecular Genetics</i> , 2016 , 25, 792-806	5.6	94
409	Regulation of tau phosphorylation and protection against beta-amyloid-induced neurodegeneration by lithium. Possible implications for Alzheimer's disease. <i>Bipolar Disorders</i> , 2002 , 4, 153-65	3.8	92
408	A role of MAP1B in Reelin-dependent neuronal migration. <i>Cerebral Cortex</i> , 2005 , 15, 1134-45	5.1	92
407	Heterogeneity in the phosphorylation of microtubule-associated protein MAP1B during rat brain development. <i>Journal of Neurochemistry</i> , 1993 , 61, 961-72	6	91
406	Absence of CX3CR1 impairs the internalization of Tau by microglia. <i>Molecular Neurodegeneration</i> , 2017 , 12, 59	19	90
405	Role of glycogen synthase kinase-3 in Alzheimer's disease pathogenesis and glycogen synthase kinase-3 inhibitors. <i>Expert Review of Neurotherapeutics</i> , 2010 , 10, 703-10	4.3	90

404	Early changes in hippocampal Eph receptors precede the onset of memory decline in mouse models of Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2009 , 17, 773-86	4.3	90
403	Polymerization of tau peptides into fibrillar structures. The effect of FTDP-17 mutations. <i>FEBS Letters</i> , 1999 , 446, 199-202	3.8	90
402	New perspectives on the role of tau in Alzheimer's disease. Implications for therapy. <i>Biochemical Pharmacology</i> , 2014 , 88, 540-7	6	87
401	Tau-knockout mice show reduced GSK3-induced hippocampal degeneration and learning deficits. <i>Neurobiology of Disease</i> , 2010 , 37, 622-9	7.5	87
400	Microtubule-associated protein 1B function during normal development, regeneration, and pathological conditions in the nervous system. <i>Journal of Neurobiology</i> , 2004 , 58, 48-59		87
399	A Path Toward Precision Medicine for Neuroinflammatory Mechanisms in Alzheimer's Disease. <i>Frontiers in Immunology</i> , 2020 , 11, 456	8.4	87
398	Deconstructing mitochondrial dysfunction in Alzheimer disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2013 , 2013, 162152	6.7	86
397	Cleavage and conformational changes of tau protein follow phosphorylation during Alzheimer's disease. <i>International Journal of Experimental Pathology</i> , 2008 , 89, 81-90	2.8	85
396	Genes associated with adult axon regeneration promoted by olfactory ensheathing cells: a new role for matrix metalloproteinase 2. <i>Journal of Neuroscience</i> , 2006 , 26, 5347-59	6.6	85
395	The influence of phospho-tau dendritic spines of cortical pyramidal neurons in patients with Alzheimer's disease. <i>Brain</i> , 2013 , 136, 1913-28	11.2	84
394	Physicochemical characterization of the heat-stable microtubule-associated protein MAP2. <i>FEBS Journal</i> , 1986 , 154, 41-8		84
393	Tau dephosphorylation at tau-1 site correlates with its association to cell membrane. <i>Neurochemical Research</i> , 2000 , 25, 43-50	4.6	82
392	A new mutation of the tau gene, G303V, in early-onset familial progressive supranuclear palsy. <i>Archives of Neurology</i> , 2005 , 62, 1444-50		81
391	Tau protein from Alzheimer's disease patients is glycosylated at its tubulin-binding domain. <i>Journal of Neurochemistry</i> , 1995 , 65, 1658-64	6	80
390	The antitumoral compound Kahalalide F acts on cell lysosomes. <i>Cancer Letters</i> , 1996 , 99, 43-50	9.9	79
389	GSK3beta-mediated phosphorylation of the microtubule-associated protein 2C (MAP2C) prevents microtubule bundling. <i>European Journal of Cell Biology</i> , 2000 , 79, 252-60	6.1	77
388	Formation of aberrant phosphotau fibrillar polymers in neural cultured cells. <i>FEBS Journal</i> , 2002 , 269, 1484-9		76
387	Phosphorylated, but not native, tau protein assembles following reaction with the lipid peroxidation product, 4-hydroxy-2-nonenal. <i>FEBS Letters</i> , 2000 , 486, 270-4	3.8	76

386	A cell division mutant of <i>Drosophila</i> with a functionally abnormal spindle. <i>Cell</i> , 1985 , 41, 907-12	56.2	76
385	Lymphocyte chemotaxis is regulated by histone deacetylase 6, independently of its deacetylase activity. <i>Molecular Biology of the Cell</i> , 2006 , 17, 3435-45	3.5	74
384	Characteristics and consequences of muscarinic receptor activation by tau protein. <i>European Neuropsychopharmacology</i> , 2009 , 19, 708-17	1.2	72
383	Glycogen synthase kinase-3 (GSK-3) inhibitors for the treatment of Alzheimer's disease. <i>Current Pharmaceutical Design</i> , 2010 , 16, 2790-8	3.3	71
382	Expression of the ghrelin and neurotensin systems is altered in the temporal lobe of Alzheimer's disease patients. <i>Journal of Alzheimer's Disease</i> , 2010 , 22, 819-28	4.3	71
381	Glycogen synthase kinase-3 is activated in neuronal cells by Galpha12 and Galpha13 by Rho-independent and Rho-dependent mechanisms. <i>Journal of Neuroscience</i> , 2002 , 22, 6863-75	6.6	71
380	Microtubule functions. <i>Life Sciences</i> , 1992 , 50, 327-34	6.8	71
379	Phosphorylation of microtubule proteins in rat brain at different developmental stages: comparison with that found in neuronal cultures. <i>Journal of Neurochemistry</i> , 1990 , 54, 211-22	6	71
378	Characterization and structural aspects of the enhanced assembly of tubulin after removal of its carboxyl-terminal domain. <i>FEBS Journal</i> , 1986 , 156, 375-81		71
377	Regulation of phosphorylation of neuronal microtubule-associated proteins MAP1b and MAP2 by protein phosphatase-2A and -2B in rat brain. <i>Brain Research</i> , 2000 , 853, 299-309	3.7	70
376	MAP1B regulates axonal development by modulating Rho-GTPase Rac1 activity. <i>Molecular Biology of the Cell</i> , 2010 , 21, 3518-28	3.5	69
375	Microtubule-associated protein 1B (MAP1B) is required for dendritic spine development and synaptic maturation. <i>Journal of Biological Chemistry</i> , 2011 , 286, 40638-48	5.4	69
374	Regulation of GSK3 isoforms by phosphatases PP1 and PP2A. <i>Molecular and Cellular Biochemistry</i> , 2010 , 344, 211-5	4.2	68
373	M1 muscarinic receptor activation protects neurons from beta-amyloid toxicity. A role for Wnt signaling pathway. <i>Neurobiology of Disease</i> , 2004 , 17, 337-48	7.5	68
372	Perinatal lethality of microtubule-associated protein 1B-deficient mice expressing alternative isoforms of the protein at low levels. <i>Molecular and Cellular Neurosciences</i> , 2000 , 16, 408-21	4.8	67
371	MAP-1 and MAP-2 binding sites at the C-terminus of beta-tubulin. Studies with synthetic tubulin peptides. <i>Biochemistry</i> , 1991 , 30, 4362-6	3.2	66
370	A discrete repeated sequence defines a tubulin binding domain on microtubule-associated protein tau. <i>Archives of Biochemistry and Biophysics</i> , 1989 , 275, 568-79	4.1	65
369	GSK-3 inhibitors for Alzheimer's disease. <i>Expert Review of Neurotherapeutics</i> , 2007 , 7, 1527-33	4.3	64

368	Characterization of a double (amyloid precursor protein-tau) transgenic: tau phosphorylation and aggregation. <i>Neuroscience</i> , 2005 , 130, 339-47	3.9	64
367	A polymorphism in the tau gene associated with risk for Alzheimer's disease. <i>Neuroscience Letters</i> , 2000 , 278, 49-52	3.3	64
366	Hyperexcitability and epileptic seizures in a model of frontotemporal dementia. <i>Neurobiology of Disease</i> , 2013 , 58, 200-8	7.5	62
365	Mitophagy Failure in Fibroblasts and iPSC-Derived Neurons of Alzheimer's Disease-Associated Presenilin 1 Mutation. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 291	6.1	62
364	Small heat shock proteins Hsp27 or alphaB-crystallin and the protein components of neurofibrillary tangles: tau and neurofilaments. <i>Journal of Neuroscience Research</i> , 2008 , 86, 1343-52	4.4	62
363	MAP1B regulates microtubule dynamics by sequestering EB1/3 in the cytosol of developing neuronal cells. <i>EMBO Journal</i> , 2013 , 32, 1293-306	13	61
362	Tau overexpression results in its secretion via membrane vesicles. <i>Neurodegenerative Diseases</i> , 2012 , 10, 73-5	2.3	61
361	GSK3 β overexpression induces neuronal death and a depletion of the neurogenic niches in the dentate gyrus. <i>Hippocampus</i> , 2011 , 21, 910-22	3.5	61
360	The role of glycogen synthase kinase 3 in the early stages of Alzheimers' disease. <i>FEBS Letters</i> , 2008 , 582, 3848-54	3.8	61
359	Microtubule dynamics. <i>FASEB Journal</i> , 1990 , 4, 3284-90	0.9	61
358	Microtubule-associated protein MAP1B showing a fetal phosphorylation pattern is present in sites of neurofibrillary degeneration in brains of Alzheimer's disease patients. <i>Molecular Brain Research</i> , 1994 , 26, 113-22		60
357	GSK3 β not GSK3 α drives hippocampal NMDAR-dependent LTD via tau-mediated spine anchoring. <i>EMBO Journal</i> , 2021 , 40, e105513	13	60
356	The role of GSK3 in Alzheimer disease. <i>Brain Research Bulletin</i> , 2009 , 80, 248-50	3.9	59
355	Participation of structural microtubule-associated proteins (MAPs) in the development of neuronal polarity. <i>Journal of Neuroscience Research</i> , 2002 , 67, 713-9	4.4	58
354	Sulphated glycosaminoglycans prevent the neurotoxicity of a human prion protein fragment. <i>Biochemical Journal</i> , 1998 , 335 (Pt 2), 369-74	3.8	58
353	Tau Phosphorylation by GSK3 in Different Conditions. <i>International Journal of Alzheimer's Disease</i> , 2012 , 2012, 578373	3.7	57
352	Tau aggregation into fibrillar polymers: taupathies. <i>FEBS Letters</i> , 2000 , 476, 89-92	3.8	57
351	Purification and properties of DNA-dependent RNA polymerase from <i>Bacillus subtilis</i> vegetative cells. <i>FEBS Journal</i> , 1971 , 21, 526-35		57

350	Slower Dynamics and Aged Mitochondria in Sporadic Alzheimer's Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 9302761	6.7	56
349	Novel function of Tau in regulating the effects of external stimuli on adult hippocampal neurogenesis. <i>EMBO Journal</i> , 2016 , 35, 1417-36	13	56
348	Selective alterations of neurons and circuits related to early memory loss in Alzheimer's disease. <i>Frontiers in Neuroanatomy</i> , 2014 , 8, 38	3.6	55
347	Tau Structures. <i>Frontiers in Aging Neuroscience</i> , 2016 , 8, 262	5.3	55
346	Tau regulates the localization and function of End-binding proteins 1 and 3 in developing neuronal cells. <i>Journal of Neurochemistry</i> , 2015 , 133, 653-67	6	54
345	Tramiprosate, a drug of potential interest for the treatment of Alzheimer's disease, promotes an abnormal aggregation of tau. <i>Molecular Neurodegeneration</i> , 2007 , 2, 17	19	54
344	Neuronal apoptosis and reversible motor deficit in dominant-negative GSK-3 conditional transgenic mice. <i>EMBO Journal</i> , 2007 , 26, 2743-54	13	54
343	Role of MAP1B in axonal retrograde transport of mitochondria. <i>Biochemical Journal</i> , 2006 , 397, 53-9	3.8	54
342	New Features about Tau Function and Dysfunction. <i>Biomolecules</i> , 2016 , 6,	5.9	54
341	Microtubule-associated protein 1B is involved in the initial stages of axonogenesis in peripheral nervous system cultured neurons. <i>Brain Research</i> , 2002 , 943, 56-67	3.7	53
340	Zeta 14-3-3 protein favours the formation of human tau fibrillar polymers. <i>Neuroscience Letters</i> , 2004 , 357, 143-6	3.3	53
339	Extracellular Monomeric Tau Is Internalized by Astrocytes. <i>Frontiers in Neuroscience</i> , 2019 , 13, 442	5.1	52
338	Benefit of Oleuropein Aglycone for Alzheimer's Disease by Promoting Autophagy. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 5010741	6.7	52
337	BDNF production by olfactory ensheathing cells contributes to axonal regeneration of cultured adult CNS neurons. <i>Neurochemistry International</i> , 2007 , 50, 491-8	4.4	52
336	Altered Ca ²⁺ dependence of synaptosomal plasma membrane Ca ²⁺ -ATPase in human brain affected by Alzheimer's disease. <i>FASEB Journal</i> , 2009 , 23, 1826-34	0.9	51
335	Phosphorylation of tubulin enhances its interaction with membranes. <i>Nature</i> , 1986 , 323, 827-8	50.4	51
334	Glycogen Synthase Kinase-3 Modulates Neurite Outgrowth in Cultured Neurons: Possible Implications for Neurite Pathology in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 1999 , 1, 361-378	4.3	50
333	GSK-3 Mouse Models to Study Neuronal Apoptosis and Neurodegeneration. <i>Frontiers in Molecular Neuroscience</i> , 2011 , 4, 45	6.1	49

332	Quinones facilitate the self-assembly of the phosphorylated tubulin binding region of tau into fibrillar polymers. <i>Biochemistry</i> , 2004 , 43, 2888-97	3.2	49
331	Tau hyperphosphorylation induces oligomeric insulin accumulation and insulin resistance in neurons. <i>Brain</i> , 2017 , 140, 3269-3285	11.2	48
330	Tau protein and adult hippocampal neurogenesis. <i>Frontiers in Neuroscience</i> , 2012 , 6, 104	5.1	48
329	Expression of Somatostatin, cortistatin, and their receptors, as well as dopamine receptors, but not of neprilysin, are reduced in the temporal lobe of Alzheimer's disease patients. <i>Journal of Alzheimer's Disease</i> , 2010 , 20, 465-75	4.3	48
328	Antibodies to vimentin intermediate filaments in sera from patients with systemic lupus erythematosus. <i>Arthritis and Rheumatism</i> , 1984 , 27, 922-8		48
327	A clonal cell line from immortalized olfactory ensheathing glia promotes functional recovery in the injured spinal cord. <i>Molecular Therapy</i> , 2006 , 13, 598-608	11.7	47
326	Biochemical, ultrastructural, and reversibility studies on huntingtin filaments isolated from mouse and human brain. <i>Journal of Neuroscience</i> , 2004 , 24, 9361-71	6.6	47
325	Dephosphorylation of distinct sites on microtubule-associated protein MAP1B by protein phosphatases 1, 2A and 2B. <i>FEBS Letters</i> , 1993 , 330, 85-9	3.8	47
324	Quantitation and characterization of the microtubule associated MAP2 in porcine tissues and its isolation from porcine (PK15) and human (HeLa) cell lines. <i>Biochemical and Biophysical Research Communications</i> , 1982 , 105, 1241-9	3.4	47
323	The Role of Microglia in the Spread of Tau: Relevance for Tauopathies. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 172	6.1	46
322	Preferential binding of hog brain microtubule-associated proteins to mouse satellite versus bulk DNA preparations. <i>Nature</i> , 1978 , 273, 403-5	50.4	46
321	Comparative biology and pathology of oxidative stress in Alzheimer and other neurodegenerative diseases: beyond damage and response. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002 , 133, 507-13	3.2	45
320	Taurine, an inducer for tau polymerization and a weak inhibitor for amyloid-beta-peptide aggregation. <i>Neuroscience Letters</i> , 2007 , 429, 91-4	3.3	44
319	Phosphorylation and dephosphorylation in the proline-rich C-terminal domain of microtubule-associated protein 2. <i>FEBS Journal</i> , 1996 , 241, 765-71		44
318	Novel connection between newborn granule neurons and the hippocampal CA2 field. <i>Experimental Neurology</i> , 2015 , 263, 285-92	5.7	43
317	Propagation of Tau via Extracellular Vesicles. <i>Frontiers in Neuroscience</i> , 2019 , 13, 698	5.1	43
316	Binding of Hsp90 to tau promotes a conformational change and aggregation of tau protein. <i>Journal of Alzheimer's Disease</i> , 2009 , 17, 319-25	4.3	43
315	Tau function and dysfunction in neurons: its role in neurodegenerative disorders. <i>Molecular Neurobiology</i> , 2002 , 25, 213-31	6.2	43

314	Tau factor polymers are similar to paired helical filaments of Alzheimer's disease. <i>FEBS Letters</i> , 1988 , 236, 150-4	3.8	43
313	Effects of DNA on microtubule assembly. <i>FEBS Journal</i> , 1980 , 105, 7-16		43
312	Tau pathology-mediated presynaptic dysfunction. <i>Neuroscience</i> , 2016 , 325, 30-8	3.9	42
311	Immunotherapy for neurological diseases. <i>Clinical Immunology</i> , 2008 , 128, 294-305	9	42
310	Aluminum induces the in vitro aggregation of bovine brain cytoskeletal proteins. <i>Neuroscience Letters</i> , 1990 , 110, 221-6	3.3	42
309	Dual effects of increased glycogen synthase kinase-3 activity on adult neurogenesis. <i>Human Molecular Genetics</i> , 2013 , 22, 1300-15	5.6	41
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