Jess vila de Grado

List of Publications by Year in Descending Order

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	Microtubule-associated protein tau in murine kidney: role in podocyte architecture.. *Cellular and Molecular Life Sciences*, **2022**, 79, 97	10.3	1
474	p38 Inhibition Decreases Tau Toxicity in Microglia and Improves Their Phagocytic Function.. *Molecular Neurobiology*, **2022**, 59, 1632	6.2	1
473	TNAP upregulation is a critical factor in Tauopathies and its blockade ameliorates neurotoxicity and increases life-expectancy.. *Neurobiology of Disease*, **2022**, 165, 105632	7.5	0
472	p38 activation occurs mainly in microglia in the P301S Tauopathy mouse model.. *Scientific Reports*, **2022**, 12, 2130	4.9	0
471	GSK3□not GSK3□drives hippocampal NMDAR-dependent LTD via tau-mediated spine anchoring. *EMBO Journal*, **2021**, 40, e105513	13	60
470	Tau phosphorylation by glycogen synthase kinase 3□modulates enzyme acetylcholinesterase expression. *Journal of Neurochemistry*, **2021**, 157, 2091-2105	6	6
469	GSK-3 and Tau: A Key Duet in Alzheimer's Disease. *Cells*, **2021**, 10,	7.9	26
468	Alzheimer's Disease and Empathic Abilities: The Proposed Role of the Cingulate Cortex. *Journal of Alzheimer's Disease Reports*, **2021**, 5, 345-352	3.3	1
467	A new non-aggregative splicing isoform of human Tau is decreased in Alzheimer's disease. *Acta Neuropathologica*, **2021**, 142, 159-177	14.3	3
466	GSK-3□S9A overexpression leads murine hippocampal neural precursors to acquire an astroglial phenotype in vivo. *Developmental Neurobiology*, **2021**, 81, 710-723	3.2	
465	A Multilevel View of the Development of Alzheimer's Disease. *Neuroscience*, **2021**, 457, 283-293	3.9	18
464	Brain aging, epigenetic changes, tau and neurodegeneration. *Aging Brain*, **2021**, 1, 100004		
463	Focal cerebral ischemia induces changes in oligodendrocytic tau isoforms in the damaged area. *Glia*, **2020**, 68, 2471-2485	9	5
462	Tauopathy Analysis in P301S Mouse Model of Alzheimer Disease Immunized With DNA and MVA Poxvirus-Based Vaccines Expressing Human Full-Length 4R2N or 3RC Tau Proteins. *Vaccines*, **2020**, 8,	5.3	4
461	The IDH-TAU-EGFR triad defines the neovascular landscape of diffuse gliomas. *Science Translational Medicine*, **2020**, 12,	17.5	23
460	Differences Between Human and Murine Tau at the N-terminal End. *Frontiers in Aging Neuroscience*, **2020**, 12, 11	5.3	11
459	Unraveling human adult hippocampal neurogenesis. *Nature Protocols*, **2020**, 15, 668-693	18.8	30

458	Reelin reverts biochemical, physiological and cognitive alterations in mouse models of Tauopathy. *Progress in Neurobiology*, **2020**, 186, 101743	10.9	7
457	Overexpression of GSK-3β in Adult Tet-OFF GSK-3β Transgenic Mice, and Not During Embryonic or Postnatal Development, Induces Tau Phosphorylation, Neurodegeneration and Learning Deficits. *Frontiers in Molecular Neuroscience*, **2020**, 13, 561470	6.1	3
456	Microglia in Alzheimer's Disease in the Context of Tau Pathology. *Biomolecules*, **2020**, 10,	5.9	22
455	In Vivo Reprogramming Ameliorates Aging Features in Dentate Gyrus Cells and Improves Memory in Mice. *Stem Cell Reports*, **2020**, 15, 1056-1066	8	18
454	Tau Protein as a New Regulator of Cellular Prion Protein Transcription. *Molecular Neurobiology*, **2020**, 57, 4170-4186	6.2	2
453	Protein Biomarkers for the Diagnosis of Alzheimer's Disease at Different Stages of Neurodegeneration. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
452	A Path Toward Precision Medicine for Neuroinflammatory Mechanisms in Alzheimer's Disease. *Frontiers in Immunology*, **2020**, 11, 456	8.4	87
451	Role of tau N-terminal motif in the secretion of human tau by End Binding proteins. *PLoS ONE*, **2019**, 14, e0210864	3.7	20
450	Peripheral nervous system effects in the PS19 tau transgenic mouse model of tauopathy. *Neuroscience Letters*, **2019**, 698, 204-208	3.3	4
449	GSK3β overexpression driven by GFAP promoter improves rotarod performance. *Brain Research*, **2019**, 1712, 47-54	3.7	4
448	Extracellular Monomeric Tau Is Internalized by Astrocytes. *Frontiers in Neuroscience*, **2019**, 13, 442	5.1	52
447	Activity-Dependent Reconnection of Adult-Born Dentate Granule Cells in a Mouse Model of Frontotemporal Dementia. *Journal of Neuroscience*, **2019**, 39, 5794-5815	6.6	4
446	Lithium as a Treatment for Alzheimer's Disease: The Systems Pharmacology Perspective. *Journal of Alzheimer's Disease*, **2019**, 69, 615-629	4.3	28
445	The Social Component of Environmental Enrichment Is a Pro-neurogenic Stimulus in Adult c57BL6 Female Mice. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 62	5.7	15
444	Adult hippocampal neurogenesis is abundant in neurologically healthy subjects and drops sharply in patients with Alzheimer's disease. *Nature Medicine*, **2019**, 25, 554-560	50.5	655
443	Phospho-Tau Changes in the Human CA1 During Alzheimer's Disease Progression. *Journal of Alzheimer's Disease*, **2019**, 69, 277-288	4.3	14
442	A walk through tau therapeutic strategies. *Acta Neuropathologica Communications*, **2019**, 7, 22	7.3	133
441	Differences in structure and function between human and murine tau. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2019**, 1865, 2024-2030	6.9	10

440	Adeno-associated viral vector serotype 9-based gene therapy for Niemann-Pick disease type A. *Science Translational Medicine*, **2019**, 11,	17.5	25
439	Tau is required for the function of extrasynaptic NMDA receptors. *Scientific Reports*, **2019**, 9, 9116	4.9	16
438	Propagation of Tau via Extracellular Vesicles. *Frontiers in Neuroscience*, **2019**, 13, 698	5.1	43
437	Mitophagy Failure in APP and Tau Overexpression Model of Alzheimer's Disease. *Journal of Alzheimerks Disease*, **2019**, 70, 525-540	4.3	14
436	Proteins and microRNAs are differentially expressed in tear fluid from patients with Alzheimer's disease. *Scientific Reports*, **2019**, 9, 15437	4.9	37
435	Differential accumulation of Tau phosphorylated at residues Thr231, Ser262 and Thr205 in hippocampal interneurons and its modulation by Tau mutations (VLW) and amyloid-peptide. *Neurobiology of Disease*, **2019**, 125, 232-244	7.5	10
434	Maturation Dynamics of the Axon Initial Segment (AIS) of Newborn Dentate Granule Cells in Young Adult C57BL/6J Mice. *Journal of Neuroscience*, **2019**, 39, 1605-1620	6.6	10
433	New Beginnings in Alzheimer's Disease: The Most Prevalent Tauopathy. *Journal of Alzheimerks Disease*, **2018**, 64, S529-S534	4.3	4
432	Untold New Beginnings: Adult Hippocampal Neurogenesis and Alzheimer's Disease. *Journal of Alzheimerks Disease*, **2018**, 64, S497-S505	4.3	10
431	Our Working Point of View of Tau Protein. *Journal of Alzheimerks Disease*, **2018**, 62, 1277-1285	4.3	8
430	Benefit of Oleuropein Aglycone for Alzheimer's Disease by Promoting Autophagy. *Oxidative Medicine and Cellular Longevity*, **2018**, 2018, 5010741	6.7	52
429	Frontotemporal Dementia-Associated N279K Tau Mutation Localizes at the Nuclear Compartment. *Frontiers in Cellular Neuroscience*, **2018**, 12, 202	6.1	4
428	The Role of Microglia in the Spread of Tau: Relevance for Tauopathies. *Frontiers in Cellular Neuroscience*, **2018**, 12, 172	6.1	46
427	Tau Spreading Mechanisms; Implications for Dysfunctional Tauopathies. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	28
426	Decreased CX3CL1 Levels in the Cerebrospinal Fluid of Patients With Alzheimer's Disease. *Frontiers in Neuroscience*, **2018**, 12, 609	5.1	24
425	Fragmentation of the Golgi Apparatus in Neuroblastoma Cells Is Associated with Tau-Induced Ring-Shaped Microtubule Bundles. *Journal of Alzheimerks Disease*, **2018**, 65, 1185-1207	4.3	2
424	Microtubule Proteins in Neuronal Cells **2018**, 193-257		2
423	Profiling of Argonaute-2-loaded microRNAs in a mouse model of frontotemporal dementia with parkinsonism-17. *International Journal of Physiology, Pathophysiology and Pharmacology*, **2018**, 10, 172-183	3.4	2

422	Human Brain Single Nucleotide Polymorphism: Validation of DNA Sequencing. *Journal of Alzheimer's Disease Reports*, **2018**, 2, 103-109	3.3	1
421	MicroRNA-22 Controls Aberrant Neurogenesis and Changes in Neuronal Morphology After Status Epilepticus. *Frontiers in Molecular Neuroscience*, **2018**, 11, 442	6.1	13
420	Bi-directional genetic modulation of GSK-3β exacerbates hippocampal neuropathology in experimental status epilepticus. *Cell Death and Disease*, **2018**, 9, 969	9.8	16
419	Dephosphorylated rather than hyperphosphorylated Tau triggers a pro-inflammatory profile in microglia through the p38 MAPK pathway. *Experimental Neurology*, **2018**, 310, 14-21	5.7	24
418	Secretion of full-length Tau or Tau fragments in cell culture models. Propagation of Tau in vivo and in vitro. *Biomolecular Concepts*, **2018**, 9, 1-11	3.7	9
417	HNK-1 Carrier Glycoproteins Are Decreased in the Alzheimer's Disease Brain. *Molecular Neurobiology*, **2017**, 54, 188-199	6.2	8
416	Tau-positive nuclear indentations in P301S tauopathy mice. *Brain Pathology*, **2017**, 27, 314-322	6	9
415	Alzheimer's disease as an inflammatory disease. *Biomolecular Concepts*, **2017**, 8, 37-43	3.7	134
414	Validation of Suspected Somatic Single Nucleotide Variations in the Brain of Alzheimer's Disease Patients. *Journal of Alzheimer's Disease*, **2017**, 56, 977-990	4.3	6
413	Phospho-Tau Accumulation and Structural Alterations of the Golgi Apparatus of Cortical Pyramidal Neurons in the P301S Tauopathy Mouse Model. *Journal of Alzheimer's Disease*, **2017**, 60, 651-661	4.3	6
412	Tau hyperphosphorylation induces oligomeric insulin accumulation and insulin resistance in neurons. *Brain*, **2017**, 140, 3269-3285	11.2	48
411	Slower Dynamics and Aged Mitochondria in Sporadic Alzheimer's Disease. *Oxidative Medicine and Cellular Longevity*, **2017**, 2017, 9302761	6.7	56
410	Atypical, non-standard functions of the microtubule associated Tau protein. *Acta Neuropathologica Communications*, **2017**, 5, 91	7.3	110
409	EuroTau: towing scientists to tau without tautology. *Acta Neuropathologica Communications*, **2017**, 5, 90	7.3	5
408	Absence of CX3CR1 impairs the internalization of Tau by microglia. *Molecular Neurodegeneration*, **2017**, 12, 59	19	90
407	[F30701]: TAU SECRETION AND PROPAGATION **2017**, 13, P887-P888		
406	Building Bridges through Science. *Neuron*, **2017**, 96, 730-735	13.9	2
405	Toward common mechanisms for risk factors in Alzheimer's syndrome. *Alzheimer's and Dementia: Translational Research and Clinical Interventions*, **2017**, 3, 571-578	6	20

404	Tau mRNA 3'UTR-to-CDS ratio is increased in Alzheimer disease. *Neuroscience Letters*, **2017**, 655, 101-108	3.3	6
403	Glycogen synthase kinase-3β regulates fractalkine production by altering its trafficking from Golgi to plasma membrane: implications for Alzheimer's disease. *Cellular and Molecular Life Sciences*, **2017**, 74, 1153-1163	10.3	8
402	The GABAergic septohippocampal connection is impaired in a mouse model of tauopathy. *Neurobiology of Aging*, **2017**, 49, 40-51	5.6	20
401	Excitotoxic inactivation of constitutive oxidative stress detoxification pathway in neurons can be rescued by PKD1. *Nature Communications*, **2017**, 8, 2275	17.4	11
400	GSK-3β Overexpression Alters the Dendritic Spines of Developmentally Generated Granule Neurons in the Mouse Hippocampal Dentate Gyrus. *Frontiers in Neuroanatomy*, **2017**, 11, 18	3.6	14
399	Cognitive Decline in Neuronal Aging and Alzheimer's Disease: Role of NMDA Receptors and Associated Proteins. *Frontiers in Neuroscience*, **2017**, 11, 626	5.1	27
398	Commentary: Genome-wide association study identifies 74 loci associated with educational attainment. *Frontiers in Molecular Neuroscience*, **2017**, 10, 23	6.1	3
397	Mitophagy Failure in Fibroblasts and iPSC-Derived Neurons of Alzheimer's Disease-Associated Presenilin 1 Mutation. *Frontiers in Molecular Neuroscience*, **2017**, 10, 291	6.1	62
396	Protocols for Monitoring the Development of Tau Pathology in Alzheimer's Disease. *Methods in Molecular Biology*, **2016**, 1303, 143-60	1.4	2
395	Decreased adult neurogenesis in hibernating Syrian hamster. *Neuroscience*, **2016**, 333, 181-92	3.9	18
394	A Simple Model to Study Tau Pathology. *Journal of Experimental Neuroscience*, **2016**, 10, 31-8	3.6	18
393	Expression of Tau Produces Aberrant Plasma Membrane Blebbing in Glial Cells Through RhoA-ROCK-Dependent F-Actin Remodeling. *Journal of Alzheimer's Disease*, **2016**, 52, 463-82	4.3	9
392	Retroviral induction of GSK-3β expression blocks the stimulatory action of physical exercise on the maturation of newborn neurons. *Cellular and Molecular Life Sciences*, **2016**, 73, 3569-82	10.3	12
391	Human DNA methylomes of neurodegenerative diseases show common epigenomic patterns. *Translational Psychiatry*, **2016**, 6, e718	8.6	101
390	Tau pathology-mediated presynaptic dysfunction. *Neuroscience*, **2016**, 325, 30-8	3.9	42
389	GSK3β Overexpression in Dentate Gyrus Neural Precursor Cells Expands the Progenitor Pool and Enhances Memory Skills. *Journal of Biological Chemistry*, **2016**, 291, 8199-213	5.4	17
388	PARK2 enhancement is able to compensate mitophagy alterations found in sporadic Alzheimer's disease. *Human Molecular Genetics*, **2016**, 25, 792-806	5.6	94
387	Forced swimming sabotages the morphological and synaptic maturation of newborn granule neurons and triggers a unique pro-inflammatory milieu in the hippocampus. *Brain, Behavior, and Immunity*, **2016**, 53, 242-254	16.6	27

386	Intracellular and extracellular microtubule associated protein tau as a therapeutic target in Alzheimer disease and other tauopathies. *Expert Opinion on Therapeutic Targets*, **2016**, 20, 653-61	6.4	19
385	Direct Evidence of Internalization of Tau by Microglia In Vitro and In Vivo. *Journal of Alzheimer's Disease*, **2016**, 50, 77-87	4.3	113
384	Tau Structures. *Frontiers in Aging Neuroscience*, **2016**, 8, 262	5.3	55
383	New Features about Tau Function and Dysfunction. *Biomolecules*, **2016**, 6,	5.9	54
382	Novel function of Tau in regulating the effects of external stimuli on adult hippocampal neurogenesis. *EMBO Journal*, **2016**, 35, 1417-36	13	56
381	Tau antagonizes end-binding protein tracking at microtubule ends through a phosphorylation-dependent mechanism. *Molecular Biology of the Cell*, **2016**, 27, 2924-34	3.5	40
380	Secretion of full-length tau or tau fragments in a cell culture model. *Neuroscience Letters*, **2016**, 634, 63-69	3.3	17
379	Excitotoxicity induced by kainic acid provokes glycogen synthase kinase-3 truncation in the hippocampus. *Brain Research*, **2015**, 1611, 84-92	3.7	3
378	Inhibition of PMCA activity by tau as a function of aging and Alzheimer's neuropathology. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2015**, 1852, 1465-76	6.9	24
377	Additional mechanisms conferring genetic susceptibility to Alzheimer's disease. *Frontiers in Cellular Neuroscience*, **2015**, 9, 138	6.1	23
376	Tau regulates the localization and function of End-binding proteins 1 and 3 in developing neuronal cells. *Journal of Neurochemistry*, **2015**, 133, 653-67	6	54
375	TNAP Plays a Key Role in Neural Differentiation as well as in Neurodegenerative Disorders. *Sub-Cellular Biochemistry*, **2015**, 76, 375-85	5.5	8
374	Novel connection between newborn granule neurons and the hippocampal CA2 field. *Experimental Neurology*, **2015**, 263, 285-92	5.7	43
373	Tau regulates the localization and function of End Binding proteins in neuronal cells. *SpringerPlus*, **2015**, 4, L16		1
372	AD genetic risk factors and tau spreading. *Frontiers in Aging Neuroscience*, **2015**, 7, 99	5.3	12
371	Alternative neural circuitry that might be impaired in the development of Alzheimer disease. *Frontiers in Neuroscience*, **2015**, 9, 145	5.1	5
370	Further understanding of tau phosphorylation: implications for therapy. *Expert Review of Neurotherapeutics*, **2015**, 15, 115-22	4.3	33
369	Tissue-nonspecific Alkaline Phosphatase Regulates Purinergic Transmission in the Central Nervous System During Development and Disease. *Computational and Structural Biotechnology Journal*, **2015**, 13, 95-100	6.8	39

368	The Ever-Changing Morphology of Hippocampal Granule Neurons in Physiology and Pathology. *Frontiers in Neuroscience*, **2015**, 9, 526	5.1	29
367	Distinct X-chromosome SNVs from some sporadic AD samples. *Scientific Reports*, **2015**, 5, 18012	4.9	11
366	MDMA impairs mitochondrial neuronal trafficking in a Tau- and Mitofusin2/Drp1-dependent manner. *Archives of Toxicology*, **2014**, 88, 1561-72	5.8	15
365	New insights into the role of glycogen synthase kinase-3 in Alzheimer's disease. *Expert Opinion on Therapeutic Targets*, **2014**, 18, 69-77	6.4	36
364	New perspectives on the role of tau in Alzheimer's disease. Implications for therapy. *Biochemical Pharmacology*, **2014**, 88, 540-7	6	87
363	Tau protein provides DNA with thermodynamic and structural features which are similar to those found in histone-DNA complex. *Journal of Alzheimer's Disease*, **2014**, 39, 649-60	4.3	23
362	Huntington's disease is a four-repeat tauopathy with tau nuclear rods. *Nature Medicine*, **2014**, 20, 881-5	50.5	135
361	A proteomic approach for the involvement of the GAPDH in Alzheimer disease in the blood of Moroccan FAD cases. *Journal of Molecular Neuroscience*, **2014**, 54, 774-9	3.3	6
360	Somatic signature of brain-specific single nucleotide variations in sporadic Alzheimer's disease. *Journal of Alzheimer's Disease*, **2014**, 42, 1357-82	4.3	31
359	Tau triggers tear secretion by interacting with muscarinic acetylcholine receptors in New Zealand white rabbits. *Journal of Alzheimer's Disease*, **2014**, 40 Suppl 1, S71-7	4.3	2
358	Sources of extracellular tau and its signaling. *Journal of Alzheimer's Disease*, **2014**, 40 Suppl 1, S7-S15	4.3	22
357	The mixture of "ecstasy" and its metabolites impairs mitochondrial fusion/fission equilibrium and trafficking in hippocampal neurons, at in vivo relevant concentrations. *Toxicological Sciences*, **2014**, 139, 407-20	4.4	22
356	"Tau oligomers," what we know and what we don't know. *Frontiers in Neurology*, **2014**, 5, 1	4.1	96
355	GSK-3β a pivotal kinase in Alzheimer disease. *Frontiers in Molecular Neuroscience*, **2014**, 7, 46	6.1	285
354	Boronate-tau mediated uptake in neurons. *Journal of Alzheimer's Disease*, **2014**, 40, 143-51	4.3	
353	TAU TRANSPORT FROM CELL TO CELL **2014**, 10, P161-P161		
352	Thermodynamics of the interaction between Alzheimer's disease related tau protein and DNA. *PLoS ONE*, **2014**, 9, e104690	3.7	29
351	Variations in brain DNA. *Frontiers in Aging Neuroscience*, **2014**, 6, 323	5.3	5

350	Selective alterations of neurons and circuits related to early memory loss in Alzheimer's disease. *Frontiers in Neuroanatomy*, **2014**, 8, 38	3.6	55
349	The role of extracellular Tau in the spreading of neurofibrillary pathology. *Frontiers in Cellular Neuroscience*, **2014**, 8, 113	6.1	106
348	Argyrophilic grain pathology as a natural model of tau propagation. *Journal of Alzheimerks Disease*, **2014**, 40 Suppl 1, S123-33	4.3	12
347	Is tau a prion-like protein?. *Journal of Alzheimerks Disease*, **2014**, 40 Suppl 1, S1-3	4.3	7
346	Regulation of EB1/3 proteins by classical MAPs in neurons. *Bioarchitecture*, **2014**, 4, 1-5		10
345	Crosstalk between axonal classical microtubule-associated proteins and end binding proteins during axon extension: possible implications in neurodegeneration. *Journal of Alzheimerks Disease*, **2014**, 40 Suppl 1, S17-22	4.3	7
344	Similarities and differences between exome sequences found in a variety of tissues from the same individual. *PLoS ONE*, **2014**, 9, e101412	3.7	5
343	Autoinhibition of TBCB regulates EB1-mediated microtubule dynamics. *Cellular and Molecular Life Sciences*, **2013**, 70, 357-71	10.3	11
342	Understanding the relationship between GSK-3 and Alzheimer's disease: a focus on how GSK-3 can modulate synaptic plasticity processes. *Expert Review of Neurotherapeutics*, **2013**, 13, 495-503	4.3	25
341	MAP1B-dependent Rac activation is required for AMPA receptor endocytosis during long-term depression. *EMBO Journal*, **2013**, 32, 2287-99	13	34
340	Kidins220 accumulates with tau in human Alzheimer's disease and related models: modulation of its calpain-processing by GSK3/PP1 imbalance. *Human Molecular Genetics*, **2013**, 22, 466-82	5.6	22
339	Hyperexcitability and epileptic seizures in a model of frontotemporal dementia. *Neurobiology of Disease*, **2013**, 58, 200-8	7.5	62
338	GSK3 and tau: two convergence points in Alzheimer's disease. *Journal of Alzheimerks Disease*, **2013**, 33 Suppl 1, S141-4	4.3	162
337	MAP1B regulates microtubule dynamics by sequestering EB1/3 in the cytosol of developing neuronal cells. *EMBO Journal*, **2013**, 32, 1293-306	13	61
336	Changes in tau phosphorylation in hibernating rodents. *Journal of Neuroscience Research*, **2013**, 91, 954-62	4.4	16
335	The influence of phospho-□on dendritic spines of cortical pyramidal neurons in patients with Alzheimer's disease. *Brain*, **2013**, 136, 1913-28	11.2	84
334	Role of neuroinflammation in adult neurogenesis and Alzheimer disease: therapeutic approaches. *Mediators of Inflammation*, **2013**, 2013, 260925	4.3	97
333	Dual effects of increased glycogen synthase kinase-3□activity on adult neurogenesis. *Human Molecular Genetics*, **2013**, 22, 1300-15	5.6	41

332	The involvement of cholinergic neurons in the spreading of tau pathology. *Frontiers in Neurology*, **2013**, 4, 74	4.1	15
331	DNA methylation map of mouse and human brain identifies target genes in Alzheimer's disease. *Brain*, **2013**, 136, 3018-27	11.2	104
330	Alterations in the nuclear architecture produced by the overexpression of tau protein in neuroblastoma cells. *Journal of Alzheimer's Disease*, **2013**, 36, 503-20	4.3	15
329	Specific profile of tau isoforms in argyrophylic grain disease. *Journal of Experimental Neuroscience*, **2013**, 7, 51-9	3.6	3
328	Microtubule depolymerization and tau phosphorylation. *Journal of Alzheimer's Disease*, **2013**, 37, 507-13	4.3	15
327	Use of okadaic acid to identify relevant phosphoepitopes in pathology: a focus on neurodegeneration. *Marine Drugs*, **2013**, 11, 1656-68	6	20
326	Phosphorylation of Tau Protein Associated as a Protective Mechanism in the Presence of Toxic, C-Terminally Truncated Tau in Alzheimer's Disease **2013**,		7
325	Beta-amyloid impairs reelin signaling. *PLoS ONE*, **2013**, 8, e72297	3.7	26
324	Deconstructing mitochondrial dysfunction in Alzheimer disease. *Oxidative Medicine and Cellular Longevity*, **2013**, 2013, 162152	6.7	86
323	Tau and neuron aging **2013**, 4, 23-8		8
322	Epigenetic control of somatostatin and cortistatin expression by β-amyloid peptide. *Journal of Neuroscience Research*, **2012**, 90, 13-20	4.4	9
321	Altered expression of brain acetylcholinesterase in FTDP-17 human tau transgenic mice. *Neurobiology of Aging*, **2012**, 33, 624.e23-34	5.6	19
320	Patient-derived olfactory mucosa cells but not lung or skin fibroblasts mediate axonal regeneration of retinal ganglion neurons. *Neuroscience Letters*, **2012**, 509, 27-32	3.3	17
319	Tau Phosphorylation by GSK3 in Different Conditions. *International Journal of Alzheimer's Disease*, **2012**, 2012, 578373	3.7	57
318	Tau protein and adult hippocampal neurogenesis. *Frontiers in Neuroscience*, **2012**, 6, 104	5.1	48
317	Structural and Functional Relationships Between GSK3α and GSK3β Proteins. *Current Biotechnology*, **2012**, 1, 80-87	0.6	2
316	Proteostasis of tau. Tau overexpression results in its secretion via membrane vesicles. *FEBS Letters*, **2012**, 586, 47-54	3.8	114
315	Looking for novel functions of tau. *Biochemical Society Transactions*, **2012**, 40, 653-5	5.1	15

314	Tau overexpression results in its secretion via membrane vesicles. *Neurodegenerative Diseases*, **2012**, 10, 73-5	2.3	61
313	Tau isoform with three microtubule binding domains is a marker of new axons generated from the subgranular zone in the hippocampal dentate gyrus: implications for Alzheimer's disease. *Journal of Alzheimer's Disease*, **2012**, 29, 921-30	4.3	27
312	Tau Phosphorylation. *Advances in Neurobiology*, **2011**, 73-82	2.1	2
311	Identification of common variants influencing risk of the tauopathy progressive supranuclear palsy. *Nature Genetics*, **2011**, 43, 699-705	36.3	386
310	Tau regulates the subcellular localization of calmodulin. *Biochemical and Biophysical Research Communications*, **2011**, 408, 500-4	3.4	11
309	Calpain regulates N-terminal interaction of GSK-3β with 14-3-3β, p53 and PKB but not with axin. *Neurochemistry International*, **2011**, 59, 97-100	4.4	11
308	Expression of frontotemporal dementia with parkinsonism associated to chromosome 17 tau induces specific degeneration of the ventral dentate gyrus and depressive-like behavior in mice. *Neuroscience*, **2011**, 196, 215-27	3.9	12
307	Blocking Effects of Human Tau on Squid Giant Synapse Transmission and Its Prevention by T-817 MA. *Frontiers in Synaptic Neuroscience*, **2011**, 3, 3	3.5	27
306	Different susceptibility to neurodegeneration of dorsal and ventral hippocampal dentate gyrus: a study with transgenic mice overexpressing GSK3β. *PLoS ONE*, **2011**, 6, e27262	3.7	24
305	A neuroregenerative human ensheathing glia cell line with conditional rapid growth. *Cell Transplantation*, **2011**, 20, 153-66	4	8
304	GSK-3 Mouse Models to Study Neuronal Apoptosis and Neurodegeneration. *Frontiers in Molecular Neuroscience*, **2011**, 4, 45	6.1	49
303	A culture model for neurite regeneration of human spinal cord neurons. *Journal of Neuroscience Methods*, **2011**, 201, 346-54	3	8
302	Abnormal tau phosphorylation in the thorny excrescences of CA3 hippocampal neurons in patients with Alzheimer's disease. *Journal of Alzheimer's Disease*, **2011**, 26, 683-98	4.3	33
301	Ultrastructural localization of fructose-1,6-bisphosphatase in mouse brain. *Microscopy Research and Technique*, **2011**, 74, 329-36	2.8	4
300	Expression of plasminogen activator inhibitor-1 by olfactory ensheathing glia promotes axonal regeneration. *Glia*, **2011**, 59, 1458-71	9	15
299	Muscarinic receptors and Alzheimer's disease. *Neurodegenerative Disease Management*, **2011**, 1, 267-269	2.8	2
298	Revisiting the Role of Acetylcholinesterase in Alzheimer's Disease: Cross-Talk with P-tau and β-Amyloid. *Frontiers in Molecular Neuroscience*, **2011**, 4, 22	6.1	141
297	Microtubule-associated protein 1B (MAP1B) is required for dendritic spine development and synaptic maturation. *Journal of Biological Chemistry*, **2011**, 286, 40638-48	5.4	69

296	Neurotoxicity induced by okadaic acid in the human neuroblastoma SH-SY5Y line can be differentially prevented by ?7 and ?2* nicotinic stimulation. *Toxicological Sciences*, **2011**, 123, 193-205	4.4	41
295	Role of tau protein on neocortical and hippocampal oscillatory patterns. *Hippocampus*, **2011**, 21, 827-34	3.5	18
294	GSK3overexpression induces neuronal death and a depletion of the neurogenic niches in the dentate gyrus. *Hippocampus*, **2011**, 21, 910-22	3.5	61
293	GSK3is involved in the relief of mitochondria pausing in a Tau-dependent manner. *PLoS ONE*, **2011**, 6, e27686	3.7	39
292	Selenomethionine incorporation into amyloid sequences regulates fibrillogenesis and toxicity. *PLoS ONE*, **2011**, 6, e27999	3.7	13
291	Overcoming cell death and tau phosphorylation mediated by PI3K-inhibition: a cell assay to measure neuroprotection. *CNS and Neurological Disorders - Drug Targets*, **2011**, 10, 208-14	2.6	12
290	Common mechanisms in neurodegeneration. *Nature Medicine*, **2010**, 16, 1372	50.5	17
289	Intracellular and extracellular tau. *Frontiers in Neuroscience*, **2010**, 4, 49	5.1	27
288	Neuronal models for studying tau pathology. *International Journal of Alzheimer's Disease*, **2010**, 2010,	3.7	1
287	Prospects on the origin of Alzheimer's disease. *Journal of Alzheimer's Disease*, **2010**, 20, 669-72	4.3	3
286	Alzheimer Center Reina Sofia Foundation: fighting the disease and providing overall solutions. *Journal of Alzheimer's Disease*, **2010**, 21, 337-48	4.3	24
285	Centro de Biologia Molecular "Severo Ochoa": a center for basic research into Alzheimer's disease. *Journal of Alzheimer's Disease*, **2010**, 21, 325-35	4.3	
284	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. *Journal of Alzheimer's Disease*, **2010**, 20, 465-75	4.3	48
283	MAP1B regulates axonal development by modulating Rho-GTPase Rac1 activity. *Molecular Biology of the Cell*, **2010**, 21, 3518-28	3.5	69
282	Tissue-nonspecific alkaline phosphatase promotes the neurotoxicity effect of extracellular tau. *Journal of Biological Chemistry*, **2010**, 285, 32539-48	5.4	122
281	Tau kinase I overexpression induces dentate gyrus degeneration. *Neurodegenerative Diseases*, **2010**, 7, 13-5	2.3	4
280	Glycogen synthase kinase-3 (GSK-3) inhibitors for the treatment of Alzheimer's disease. *Current Pharmaceutical Design*, **2010**, 16, 2790-8	3.3	71
279	Prevention of senescence progression in reversibly immortalized human ensheathing glia permits their survival after deimmortalization. *Molecular Therapy*, **2010**, 18, 394-403	11.7	22

278	Nondenaturing electrophoresis as a tool to investigate tubulin complexes. *Methods in Cell Biology*, **2010**, 95, 59-75	1.8	9
277	Differential gene expression analysis of human entorhinal cortex support a possible role of some extracellular matrix proteins in the onset of Alzheimer disease. *Neuroscience Letters*, **2010**, 468, 225-8	3.3	14
276	MAP1B binds to the NMDA receptor subunit NR3A and affects NR3A protein concentrations. *Neuroscience Letters*, **2010**, 475, 33-7	3.3	18
275	GSK3: a possible link between beta amyloid peptide and tau protein. *Experimental Neurology*, **2010**, 223, 322-5	5.7	200
274	Expression of the ghrelin and neurotensin systems is altered in the temporal lobe of Alzheimer's disease patients. *Journal of Alzheimerks Disease*, **2010**, 22, 819-28	4.3	71
273	Role of glycogen synthase kinase-3 in Alzheimer's disease pathogenesis and glycogen synthase kinase-3 inhibitors. *Expert Review of Neurotherapeutics*, **2010**, 10, 703-10	4.3	90
272	Tau protein role in sleep-wake cycle. *Journal of Alzheimerks Disease*, **2010**, 21, 411-21	4.3	33
271	Tau phosphorylation in hippocampus results in toxic gain-of-function. *Biochemical Society Transactions*, **2010**, 38, 977-80	5.1	21
270	Regulation of GSK3 isoforms by phosphatases PP1 and PP2A. *Molecular and Cellular Biochemistry*, **2010**, 344, 211-5	4.2	68
269	Tau-knockout mice show reduced GSK3-induced hippocampal degeneration and learning deficits. *Neurobiology of Disease*, **2010**, 37, 622-9	7.5	87
268	Tau deficiency leads to the upregulation of BAF-57, a protein involved in neuron-specific gene repression. *FEBS Letters*, **2010**, 584, 2265-70	3.8	21
267	Reversibly immortalized human olfactory ensheathing glia from an elderly donor maintain neuroregenerative capacity. *Glia*, **2010**, 58, 546-58	9	22
266	Memory and neurogenesis in aging and Alzheimer's disease **2010**, 1, 30-6		7
265	Is tau a suitable therapeutical target in tauopathies?. *World Journal of Biological Chemistry*, **2010**, 1, 81-4	3.8	4
264	The tau code. *Frontiers in Aging Neuroscience*, **2009**, 1, 1	5.3	16
263	Binding of Hsp90 to tau promotes a conformational change and aggregation of tau protein. *Journal of Alzheimerks Disease*, **2009**, 17, 319-25	4.3	43
262	GSK3 inhibitors and disease. *Mini-Reviews in Medicinal Chemistry*, **2009**, 9, 1024-9	3.2	37
261	Altered Ca2+ dependence of synaptosomal plasma membrane Ca2+-ATPase in human brain affected by Alzheimer's disease. *FASEB Journal*, **2009**, 23, 1826-34	0.9	51

260	Function of tau protein in adult newborn neurons. *FEBS Letters*, **2009**, 583, 3063-8	3.8	41
259	Calpain-mediated truncation of GSK-3 in post-mortem brain samples. *Journal of Neuroscience Research*, **2009**, 87, 1156-61	4.4	15
258	Hyperphosphorylated tau aggregates in the cortex and hippocampus of transgenic mice with mutant human FTDP-17 Tau and lacking the PARK2 gene. *Acta Neuropathologica*, **2009**, 117, 159-68	14.3	10
257	Tau--an inhibitor of deacetylase HDAC6 function. *Journal of Neurochemistry*, **2009**, 109, 1756-66	6	143
256	The role of GSK3 in Alzheimer disease. *Brain Research Bulletin*, **2009**, 80, 248-50	3.9	59
255	Microtubule-associated protein 1b, a neuronal marker involved in odontoblast differentiation. *Journal of Endodontics*, **2009**, 35, 992-6	4.7	16
254	Tau aggregation followed by atomic force microscopy and surface plasmon resonance, and single molecule tau-tau interaction probed by atomic force spectroscopy. *Journal of Alzheimerk Disease*, **2009**, 18, 141-51	4.3	24
253	Early changes in hippocampal Eph receptors precede the onset of memory decline in mouse models of Alzheimer's disease. *Journal of Alzheimerk Disease*, **2009**, 17, 773-86	4.3	90
252	Characteristics and consequences of muscarinic receptor activation by tau protein. *European Neuropsychopharmacology*, **2009**, 19, 708-17	1.2	72
251	Memantine inhibits calpain-mediated truncation of GSK-3 induced by NMDA: implications in Alzheimer's disease. *Journal of Alzheimerk Disease*, **2009**, 18, 843-8	4.3	15
250	Cleavage and conformational changes of tau protein follow phosphorylation during Alzheimer's disease. *International Journal of Experimental Pathology*, **2008**, 89, 81-90	2.8	85
249	The role of glycogen synthase kinase 3 in the early stages of Alzheimers' disease. *FEBS Letters*, **2008**, 582, 3848-54	3.8	61
248	Immunotherapy for neurological diseases. *Clinical Immunology*, **2008**, 128, 294-305	9	42
247	Extracellular tau promotes intracellular calcium increase through M1 and M3 muscarinic receptors in neuronal cells. *Molecular and Cellular Neurosciences*, **2008**, 37, 673-81	4.8	177
246	Memory and exploratory impairment in mice that lack the Park-2 gene and that over-express the human FTDP-17 mutant Tau. *Behavioural Brain Research*, **2008**, 189, 350-6	3.4	9
245	Microtubule-associated protein 1B interaction with tubulin tyrosine ligase contributes to the control of microtubule tyrosination. *Developmental Neuroscience*, **2008**, 30, 200-10	2.2	31
244	Binding of tau protein to the ends of ex vivo paired helical filaments. *Journal of Alzheimerk Disease*, **2008**, 13, 177-85	4.3	1
243	Coenzyme q induces tau aggregation, tau filaments, and Hirano bodies. *Journal of Neuropathology and Experimental Neurology*, **2008**, 67, 428-34	3.1	10

242	Park2-null/tau transgenic mice reveal a functional relationship between parkin and tau. *Journal of Alzheimerks Disease*, **2008**, 13, 161-72	4.3	14
241	Tau as a molecular marker of development, aging and neurodegenerative disorders. *Current Aging Science*, **2008**, 1, 56-61	2.2	12
240	Tau aggregates and tau pathology. *Journal of Alzheimerks Disease*, **2008**, 14, 449-52	4.3	36
239	Phosphorylated tau in neuritic plaques of APP(sw)/Tau (vlw) transgenic mice and Alzheimer disease. *Acta Neuropathologica*, **2008**, 116, 409-18	14.3	17
238	Small heat shock proteins Hsp27 or alphaB-crystallin and the protein components of neurofibrillary tangles: tau and neurofilaments. *Journal of Neuroscience Research*, **2008**, 86, 1343-52	4.4	62
237	Effect of cortistatin on tau phosphorylation at Ser262 site. *Journal of Neuroscience Research*, **2008**, 86, 2462-75	4.4	9
236	Co-expression of FTDP-17 Human Tau and GSK-3[or APPSW) in Transgenic Mice: Induction of Tau Polymerization and Neurodegeneration **2008**, 337-342		
235	Role of polyglycine repeats in the regulation of glycogen synthase kinase activity. *Protein and Peptide Letters*, **2008**, 15, 586-9	1.9	1
234	A mouse model to study tau pathology related with tau phosphorylation and assembly. *Journal of the Neurological Sciences*, **2007**, 257, 250-4	3.2	7
233	Tramiprosate, a drug of potential interest for the treatment of Alzheimer's disease, promotes an abnormal aggregation of tau. *Molecular Neurodegeneration*, **2007**, 2, 17	19	54
232	Neuronal apoptosis and reversible motor deficit in dominant-negative GSK-3 conditional transgenic mice. *EMBO Journal*, **2007**, 26, 2743-54	13	54
231	Glycogen synthase kinase-3 inhibition is integral to long-term potentiation. *European Journal of Neuroscience*, **2007**, 25, 81-6	3.5	268
230	The role of the VQIVYK peptide in tau protein phosphorylation. *Journal of Neurochemistry*, **2007**, 103, 1447-60	6	19
229	Neuronal disorders: introduction. *Cellular and Molecular Life Sciences*, **2007**, 64, 2191-2193	10.3	
228	Tauopathies. *Cellular and Molecular Life Sciences*, **2007**, 64, 2219-33	10.3	226
227	N-terminal cleavage of GSK-3 by calpain: a new form of GSK-3 regulation. *Journal of Biological Chemistry*, **2007**, 282, 22406-13	5.4	99
226	BDNF production by olfactory ensheathing cells contributes to axonal regeneration of cultured adult CNS neurons. *Neurochemistry International*, **2007**, 50, 491-8	4.4	52
225	Taurine, an inducer for tau polymerization and a weak inhibitor for amyloid-beta-peptide aggregation. *Neuroscience Letters*, **2007**, 429, 91-4	3.3	44

224	Treating the lesions, not the disease. *American Journal of Pathology*, **2007**, 170, 1457-9	5.8	12
223	GSK-3 inhibitors for Alzheimer's disease. *Expert Review of Neurotherapeutics*, **2007**, 7, 1527-33	4.3	64
222	Cortistatin as a therapeutic target in inflammation. *Expert Opinion on Therapeutic Targets*, **2007**, 11, 1-9	6.4	8
221	Sodium tungstate decreases the phosphorylation of tau through GSK3 inactivation. *Journal of Neuroscience Research*, **2006**, 83, 264-73	4.4	25
220	The quest to repair the damaged spinal cord. *Recent Patents on CNS Drug Discovery*, **2006**, 1, 55-63		18
219	Inhibition of GSK3 dependent tau phosphorylation by metals. *Current Alzheimer Research*, **2006**, 3, 123-73		21
218	Acetylcholine receptors and tau phosphorylation. *Current Molecular Medicine*, **2006**, 6, 423-8	2.5	26
217	Lymphocyte chemotaxis is regulated by histone deacetylase 6, independently of its deacetylase activity. *Molecular Biology of the Cell*, **2006**, 17, 3435-45	3.5	74
216	Full reversal of Alzheimer's disease-like phenotype in a mouse model with conditional overexpression of glycogen synthase kinase-3. *Journal of Neuroscience*, **2006**, 26, 5083-90	6.6	217
215	A clonal cell line from immortalized olfactory ensheathing glia promotes functional recovery in the injured spinal cord. *Molecular Therapy*, **2006**, 13, 598-608	11.7	47
214	Genes associated with adult axon regeneration promoted by olfactory ensheathing cells: a new role for matrix metalloproteinase 2. *Journal of Neuroscience*, **2006**, 26, 5347-59	6.6	85
213	Extracellular tau is toxic to neuronal cells. *FEBS Letters*, **2006**, 580, 4842-50	3.8	169
212	Tau phosphorylation and aggregation in Alzheimer's disease pathology. *FEBS Letters*, **2006**, 580, 2922-7	3.8	182
211	In vitro tau fibrillization: mapping protein regions. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2006**, 1762, 683-92	6.9	16
210	Cooexpression of FTDP-17 tau and GSK-3beta in transgenic mice induce tau polymerization and neurodegeneration. *Neurobiology of Aging*, **2006**, 27, 1258-68	5.6	96
209	gamma-cleavage-independent functions of presenilin, nicastrin, and Aph-1 regulate cell-junction organization and prevent tau toxicity in vivo. *Neuron*, **2006**, 50, 359-75	13.9	20
208	Tau protein, the main component of paired helical filaments. *Journal of Alzheimer's Disease*, **2006**, 9, 171-53		15
207	Role of MAP1B in axonal retrograde transport of mitochondria. *Biochemical Journal*, **2006**, 397, 53-9	3.8	54

206	Characteristics of the binding of thioflavin S to tau paired helical filaments. *Journal of Alzheimer's Disease*, **2006**, 9, 279-85	4.3	35
205	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. *Journal of Neurochemistry*, **2006**, 99, 1445-55	6	169
204	European Alzheimer disease funding. *Nature Medicine*, **2006**, 12, 776-7	50.5	
203	A meeting to remember: meeting on memory and related disorders. *EMBO Reports*, **2006**, 7, 768-73	6.5	2
202	Effect of acetylcholine on tau phosphorylation in human neuroblastoma cells. *Journal of Molecular Neuroscience*, **2006**, 30, 185-8	3.3	3
201	The anti-inflammatory and cholinesterase inhibitor bifunctional compound IBU-PO protects from beta-amyloid neurotoxicity by acting on Wnt signaling components. *Neurobiology of Disease*, **2005**, 18, 176-83	7.5	34
200	Constitutive Dyrk1A is abnormally expressed in Alzheimer disease, Down syndrome, Pick disease, and related transgenic models. *Neurobiology of Disease*, **2005**, 20, 392-400	7.5	125
199	Accelerated amyloid deposition, neurofibrillary degeneration and neuronal loss in double mutant APP/tau transgenic mice. *Neurobiology of Disease*, **2005**, 20, 814-22	7.5	124
198	Tau modifiers as therapeutic targets for Alzheimer's disease. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2005**, 1739, 211-5	6.9	9
197	Effect of quinones on microtubule polymerization: a link between oxidative stress and cytoskeletal alterations in Alzheimer's disease. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2005**, 1740, 472-80	6.9	36
196	Phosphorylation modulates the alpha-helical structure and polymerization of a peptide from the third tau microtubule-binding repeat. *Biochimica Et Biophysica Acta - General Subjects*, **2005**, 1721, 16-26	4	20
195	Chronological primacy of oxidative stress in Alzheimer disease. *Neurobiology of Aging*, **2005**, 26, 579-80	5.6	40
194	Characterization of a double (amyloid precursor protein-tau) transgenic: tau phosphorylation and aggregation. *Neuroscience*, **2005**, 130, 339-47	3.9	64
193	Role for the alpha-helix in aberrant protein aggregation. *Biochemistry*, **2005**, 44, 149-56	3.2	38
192	Binding of microtubule-associated protein 1B to LIS1 affects the interaction between dynein and LIS1. *Biochemical Journal*, **2005**, 389, 333-41	3.8	33
191	Estradiol prevents neural tau hyperphosphorylation characteristic of Alzheimer's disease. *Annals of the New York Academy of Sciences*, **2005**, 1052, 210-24	6.5	102
190	Oxidative imbalance in Alzheimer's disease. *Molecular Neurobiology*, **2005**, 31, 205-17	6.2	97
189	Alzheimer-specific epitopes of tau represent lipid peroxidation-induced conformations. *Free Radical Biology and Medicine*, **2005**, 38, 746-54	7.8	102

188	Characterization of Alzheimer paired helical filaments by electron microscopy. *Microscopy Research and Technique*, **2005**, 67, 121-5	2.8	5
187	End binding protein-1 (EB1) complements microtubule-associated protein-1B during axonogenesis. *Journal of Neuroscience Research*, **2005**, 80, 350-9	4.4	31
186	Neurotoxic dopamine quinone facilitates the assembly of tau into fibrillar polymers. *Molecular and Cellular Biochemistry*, **2005**, 278, 203-12	4.2	28
185	A role of MAP1B in Reelin-dependent neuronal migration. *Cerebral Cortex*, **2005**, 15, 1134-45	5.1	92
184	A new mutation of the tau gene, G303V, in early-onset familial progressive supranuclear palsy. *Archives of Neurology*, **2005**, 62, 1444-50		81
183	Assembly in vitro of tau protein and its implications in Alzheimer's disease. *Current Alzheimer Research*, **2004**, 1, 97-101	3	21
182	Heme catabolism and heme oxygenase in neurodegenerative disease. *Antioxidants and Redox Signaling*, **2004**, 6, 888-94	8.4	32
181	Neuronal microtubule-associated protein 2D is a dual a-kinase anchoring protein expressed in rat ovarian granulosa cells. *Journal of Biological Chemistry*, **2004**, 279, 27621-32	5.4	17
180	Biochemical, ultrastructural, and reversibility studies on huntingtin filaments isolated from mouse and human brain. *Journal of Neuroscience*, **2004**, 24, 9361-71	6.6	47
179	Glycogen synthase kinase-3 plays a crucial role in tau exon 10 splicing and intranuclear distribution of SC35. Implications for Alzheimer's disease. *Journal of Biological Chemistry*, **2004**, 279, 3801-6	5.4	103
178	Glycogen synthase kinase 3: a drug target for CNS therapies. *Journal of Neurochemistry*, **2004**, 89, 1313-76		355
177	MAP1B is required for Netrin 1 signaling in neuronal migration and axonal guidance. *Current Biology*, **2004**, 14, 840-50	6.3	106
176	Expression of an altered form of tau in Sf9 insect cells results in the assembly of polymers resembling Alzheimer's paired helical filaments. *Brain Research*, **2004**, 1007, 57-64	3.7	13
175	Enhanced induction of the immunoproteasome by interferon gamma in neurons expressing mutant Huntingtin. *Neurotoxicity Research*, **2004**, 6, 463-8	4.3	36
174	Tau in neurodegenerative diseases: tau phosphorylation and assembly. *Neurotoxicity Research*, **2004**, 6, 477-82	4.3	39
173	Microtubule-associated protein 1B function during normal development, regeneration, and pathological conditions in the nervous system. *Journal of Neurobiology*, **2004**, 58, 48-59		87
172	Quinones facilitate the self-assembly of the phosphorylated tubulin binding region of tau into fibrillar polymers. *Biochemistry*, **2004**, 43, 2888-97	3.2	49
171	Testing the ubiquitin-proteasome hypothesis of neurodegeneration in vivo. *Trends in Neurosciences*, **2004**, 27, 66-9	13.3	33

170	M1 muscarinic receptor activation protects neurons from beta-amyloid toxicity. A role for Wnt signaling pathway. *Neurobiology of Disease*, **2004**, 17, 337-48	7.5	68
169	Zeta 14-3-3 protein favours the formation of human tau fibrillar polymers. *Neuroscience Letters*, **2004**, 357, 143-6	3.3	53
168	Role of tau protein in both physiological and pathological conditions. *Physiological Reviews*, **2004**, 84, 361-84	47.9	641
167	Tau phosphorylation and assembly. *Acta Neurobiologiae Experimentalis*, **2004**, 64, 33-9	1	11
166	The influence of aging in one tauopathy: Alzheimer 's disease. *Archivum Immunologiae Et Therapiae Experimentalis*, **2004**, 52, 410-3	4	5
165	Chronic lithium treatment decreases mutant tau protein aggregation in a transgenic mouse model. *Journal of Alzheimerks Disease*, **2003**, 5, 301-8	4.3	159
164	Prion peptide induces neuronal cell death through a pathway involving glycogen synthase kinase 3. *Biochemical Journal*, **2003**, 372, 129-36	3.8	100
163	Neuronal induction of the immunoproteasome in Huntington's disease. *Journal of Neuroscience*, **2003**, 23, 11653-61	6.6	218
162	Effect of the lipid peroxidation product acrolein on tau phosphorylation in neural cells. *Journal of Neuroscience Research*, **2003**, 71, 863-70	4.4	100
161	High level of amyloid precursor protein expression in neurite-promoting olfactory ensheathing glia (OEG) and OEG-derived cell lines. *Journal of Neuroscience Research*, **2003**, 71, 871-81	4.4	16
160	Immortalized olfactory ensheathing glia promote axonal regeneration of rat retinal ganglion neurons. *Journal of Neurochemistry*, **2003**, 85, 861-71	6	37
159	GSK-3 dependent phosphoepitopes recognized by PHF-1 and AT-8 antibodies are present in different tau isoforms. *Neurobiology of Aging*, **2003**, 24, 1087-94	5.6	36
158	Microtubule reduction in Alzheimer's disease and aging is independent of tau filament formation. *American Journal of Pathology*, **2003**, 162, 1623-7	5.8	252
157	Inhibition by Aplidine of the aggregation of the prion peptide PrP 106-126 into beta-sheet fibrils. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2003**, 1639, 133-9	6.9	15
156	Structural insights and biological effects of glycogen synthase kinase 3-specific inhibitor AR-A014418. *Journal of Biological Chemistry*, **2003**, 278, 45937-45	5.4	393
155	Transgenic mouse models with tau pathology to test therapeutic agents for Alzheimer's disease. *Mini-Reviews in Medicinal Chemistry*, **2002**, 2, 51-8	3.2	8
154	Glycogen synthase kinase-3 is activated in neuronal cells by Galpha12 and Galpha13 by Rho-independent and Rho-dependent mechanisms. *Journal of Neuroscience*, **2002**, 22, 6863-75	6.6	71
153	Progressive supranuclear palsy and tau hyperphosphorylation in a patient with a C212Y parkin mutation. *Journal of Alzheimerks Disease*, **2002**, 4, 399-404	4.3	33

152	Olfactory Ensheathing Glia: Drivers of Axonal Regeneration in the Central Nervous System?. *Journal of Biomedicine and Biotechnology*, **2002**, 2, 37-43		37
151	Sulfo-glycosaminoglycan content affects PHF-tau solubility and allows the identification of different types of PHFs. *Brain Research*, **2002**, 935, 65-72	3.7	17
150	Microtubule-associated protein 1B is involved in the initial stages of axonogenesis in peripheral nervous system cultured neurons. *Brain Research*, **2002**, 943, 56-67	3.7	53
149	Is oxidative damage the fundamental pathogenic mechanism of Alzheimer's and other neurodegenerative diseases?. *Free Radical Biology and Medicine*, **2002**, 33, 1475-9	7.8	222
148	Participation of structural microtubule-associated proteins (MAPs) in the development of neuronal polarity. *Journal of Neuroscience Research*, **2002**, 67, 713-9	4.4	58
147	Regulation of tau phosphorylation and protection against beta-amyloid-induced neurodegeneration by lithium. Possible implications for Alzheimer's disease. *Bipolar Disorders*, **2002** , 4, 153-65	3.8	92
146	Spatial learning deficit in transgenic mice that conditionally over-express GSK-3beta in the brain but do not form tau filaments. *Journal of Neurochemistry*, **2002**, 83, 1529-33	6	291
145	Nuclear localization of N-terminal mutant huntingtin is cell cycle dependent. *European Journal of Neuroscience*, **2002**, 16, 355-9	3.5	19
144	Formation of aberrant phosphotau fibrillar polymers in neural cultured cells. *FEBS Journal*, **2002**, 269, 1484-9		76
143	Tau function and dysfunction in neurons: its role in neurodegenerative disorders. *Molecular Neurobiology*, **2002**, 25, 213-31	6.2	43
142	Highly efficient and specific gene transfer to Purkinje cells in vivo using a herpes simplex virus I amplicon. *Human Gene Therapy*, **2002**, 13, 665-74	4.8	26
141	High molecular weight neurofilament proteins are physiological substrates of adduction by the lipid peroxidation product hydroxynonenal. *Journal of Biological Chemistry*, **2002**, 277, 4644-8	5.4	102
140	A two-hybrid screening of human Tau protein: interactions with Alu-derived domain. *NeuroReport*, **2002**, 13, 343-9	1.7	9
139	Alpha-helix structure in Alzheimer's disease aggregates of tau-protein. *Biochemistry*, **2002**, 41, 7150-5	3.2	100
138	Ephrin-B1 promotes dendrite outgrowth on cerebellar granule neurons. *Molecular and Cellular Neurosciences*, **2002**, 20, 429-46	4.8	18
137	Three-dimensional structure of human tubulin chaperone cofactor A. *Journal of Molecular Biology*, **2002**, 318, 1139-49	6.5	22
136	P24, a glycogen synthase kinase 3 (GSK 3) inhibitor. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2002**, 1586, 113-22	6.9	24
135	Comparative biology and pathology of oxidative stress in Alzheimer and other neurodegenerative diseases: beyond damage and response. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2002**, 133, 507-13	3.2	45

134	Glycosaminoglycans and beta-amyloid, prion and tau peptides in neurodegenerative diseases. *Peptides*, **2002**, 23, 1323-32	3.8	111
133	The p38 pathway is activated in Pick disease and progressive supranuclear palsy: a mechanistic link between mitogenic pathways, oxidative stress, and tau. *Neurobiology of Aging*, **2002**, 23, 855-9	5.6	38
132	Phosphorylation, Microtubule Binding and Aggregation of Tau Protein in Alzheimer's Disease **2001**, 601-607		
131	Evidence for the role of MAP1B in axon formation. *Molecular Biology of the Cell*, **2001**, 12, 2087-98	3.5	121
130	Review: postchaperonin tubulin folding cofactors and their role in microtubule dynamics. *Journal of Structural Biology*, **2001**, 135, 219-29	3.4	116
129	Distribution of the phosphorylated form of microtubule associated protein 1B in the fish visual system during optic nerve regeneration. *Brain Research Bulletin*, **2001**, 56, 131-7	3.9	7
128	Characterization by atomic force microscopy and cryoelectron microscopy of tau polymers assembled in Alzheimer's disease. *Journal of Alzheimerks Disease*, **2001**, 3, 443-451	4.3	14
127	Modifications of tau protein during neuronal cell death. *Journal of Alzheimerks Disease*, **2001**, 3, 563-575	4.3	10
126	Proteasomal-dependent aggregate reversal and absence of cell death in a conditional mouse model of Huntington's disease. *Journal of Neuroscience*, **2001**, 21, 8772-81	6.6	136
125	Biochemistry of neurodegeneration. *Science*, **2001**, 291, 595-7	33.3	9
124	In Alzheimer's disease, heme oxygenase is coincident with Alz50, an epitope of tau induced by 4-hydroxy-2-nonenal modification. *Journal of Neurochemistry*, **2000**, 75, 1234-41	6	145
123	GSK3beta-mediated phosphorylation of the microtubule-associated protein 2C (MAP2C) prevents microtubule bundling. *European Journal of Cell Biology*, **2000**, 79, 252-60	6.1	77
122	Regulation of phosphorylation of neuronal microtubule-associated proteins MAP1b and MAP2 by protein phosphatase-2A and -2B in rat brain. *Brain Research*, **2000**, 853, 299-309	3.7	70
121	Tau dephosphorylation at tau-1 site correlates with its association to cell membrane. *Neurochemical Research*, **2000**, 25, 43-50	4.6	82
120	Role of the PI3K regulatory subunit in the control of actin organization and cell migration. *Journal of Cell Biology*, **2000**, 151, 249-62	7.3	198
119	Perinatal lethality of microtubule-associated protein 1B-deficient mice expressing alternative isoforms of the protein at low levels. *Molecular and Cellular Neurosciences*, **2000**, 16, 408-21	4.8	67
118	A polymorphism in the tau gene associated with risk for Alzheimer's disease. *Neuroscience Letters*, **2000**, 278, 49-52	3.3	64
117	The marine compound spisulosine, an inhibitor of cell proliferation, promotes the disassembly of actin stress fibers. *Cancer Letters*, **2000**, 152, 23-9	9.9	116

116	Functional recovery of paraplegic rats and motor axon regeneration in their spinal cords by olfactory ensheathing glia. *Neuron*, **2000**, 25, 425-35	13.9	680
115	Tau aggregation into fibrillar polymers: taupathies. *FEBS Letters*, **2000**, 476, 89-92	3.8	57
114	Phosphorylated, but not native, tau protein assembles following reaction with the lipid peroxidation product, 4-hydroxy-2-nonenal. *FEBS Letters*, **2000**, 486, 270-4	3.8	76
113	Glycogen Synthase Kinase-3 Modulates Neurite Outgrowth in Cultured Neurons: Possible Implications for Neurite Pathology in Alzheimer's Disease. *Journal of Alzheimer's Disease*, **1999**, 1, 361-378	4.3	50
112	The neurite retraction induced by lysophosphatidic acid increases Alzheimer's disease-like Tau phosphorylation. *Journal of Biological Chemistry*, **1999**, 274, 37046-52	5.4	132
111	Distribution of CK2, its substrate MAP1B and phosphatases in neuronal cells. *Molecular and Cellular Biochemistry*, **1999**, 191, 201-205	4.2	25
110	Two modes of microtubule-associated protein 1B phosphorylation are differentially regulated during peripheral nerve regeneration. *Brain Research*, **1999**, 815, 213-26	3.7	18
109	OP18/stathmin binds near the C-terminus of tubulin and facilitates GTP binding. *FEBS Journal*, **1999** , 262, 557-62		7
108	Downregulation of glycogen synthase kinase-3beta (GSK-3beta) protein expression during neuroblastoma IMR-32 cell differentiation. *Journal of Neuroscience Research*, **1999**, 55, 278-85	4.4	11
107	Lithium induces morphological differentiation of mouse neuroblastoma cells. *Journal of Neuroscience Research*, **1999**, 57, 261-70	4.4	19
106	The expression of casein kinase 2alpha' and phosphatase 2A activity. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **1999**, 1449, 150-6	4.9	8
105	Polymerization of tau peptides into fibrillar structures. The effect of FTDP-17 mutations. *FEBS Letters*, **1999**, 446, 199-202	3.8	90
104	Lithium protects cultured neurons against beta-amyloid-induced neurodegeneration. *FEBS Letters*, **1999**, 453, 260-4	3.8	206
103	Distribution and characteristics of betaII tubulin-enriched microtubules in interphase cells. *Experimental Cell Research*, **1999**, 248, 372-80	4.2	23
102	Distribution of CK2, its substrate MAP1B and phosphatases in neuronal cells **1999**, 201-205		0
101	Phosphorylation of stathmin modulates its function as a microtubule depolymerizing factor. *Molecular and Cellular Biochemistry*, **1998**, 183, 201-9	4.2	26
100	Implication of cyclin-dependent kinases and glycogen synthase kinase 3 in the phosphorylation of microtubule-associated protein 1B in developing neuronal cells. *Journal of Neuroscience Research*, **1998**, 52, 445-52	4.4	39
99	Olfactory ensheathing glia: properties and function. *Brain Research Bulletin*, **1998**, 46, 175-87	3.9	331

98	Protein kinase C-dependent in vivo phosphorylation of prourokinase leads to the formation of a receptor competitive antagonist. *Journal of Biological Chemistry*, **1998**, 273, 27734-40	5.4	14
97	Long-distance axonal regeneration in the transected adult rat spinal cord is promoted by olfactory ensheathing glia transplants. *Journal of Neuroscience*, **1998**, 18, 3803-15	6.6	616
96	Sulphated glycosaminoglycans prevent the neurotoxicity of a human prion protein fragment. *Biochemical Journal*, **1998**, 335 (Pt 2), 369-74	3.8	58
95	Characterization of tubulin isotype-specific antibodies by electrophoretic mobility shift assay. *BioTechniques*, **1998**, 25, 940-2	2.5	2
94	The zeta isozyme of protein kinase C binds to tubulin through the pseudosubstrate domain. *Experimental Cell Research*, **1997**, 230, 1-8	4.2	27
93	Lithium inhibits Alzheimer's disease-like tau protein phosphorylation in neurons. *FEBS Letters*, **1997** , 411, 183-8	3.8	240
92	A putative beta-tubulin phosphate-binding motif is involved in lateral microtubule protofilament interactions. *FEBS Journal*, **1997**, 248, 840-7		1
91	NMDA-glutamate receptors regulate phosphorylation of dendritic cytoskeletal proteins in the hippocampus. *Brain Research*, **1997**, 765, 141-8	3.7	24
90	Polymerization of tau into filaments in the presence of heparin: the minimal sequence required for tau-tau interaction. *Journal of Neurochemistry*, **1996**, 67, 1183-90	6	283
89	Characterization of microtubule-associated protein MAP1B: phosphorylation state, light chains, and binding to microtubules. *Biochemistry*, **1996**, 35, 3016-23	3.2	36
88	Protein kinases involved in the phosphorylation of human tau protein in transfected COS-1 cells. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **1996**, 1316, 43-50	6.9	7
87	The antitumoral compound Kahalalide F acts on cell lysosomes. *Cancer Letters*, **1996**, 99, 43-50	9.9	79
86	The beta-tubulin monomer release factor (p14) has homology with a region of the DnaJ protein. *FEBS Letters*, **1996**, 397, 283-9	3.8	25
85	The in vitro formation of recombinant tau polymers: effect of phosphorylation and glycation. *Molecular and Chemical Neuropathology*, **1996**, 27, 249-58		28
84	Phosphorylation and dephosphorylation in the proline-rich C-terminal domain of microtubule-associated protein 2. *FEBS Journal*, **1996**, 241, 765-71		44
83	Glycogen synthase kinase 3 phosphorylation of different residues in the presence of different factors: analysis on tau protein. *Molecular and Cellular Biochemistry*, **1996**, 165, 47-54	4.2	25
82	Involvement of gamma and beta actin isoforms in mouse neuroblastoma differentiation. *European Journal of Neuroscience*, **1996**, 8, 1441-51	3.5	14
81	Tau protein from Alzheimer's disease patients is glycated at its tubulin-binding domain. *Journal of Neurochemistry*, **1995**, 65, 1658-64	6	80

80	Control of microtubule polymerization and stability. *Cytoskeleton: A Multi-Volume Treatise*, **1995**, 1, 47-85		1
79	Glycogen synthase kinase 3 phosphorylates recombinant human tau protein at serine-262 in the presence of heparin (or tubulin). *FEBS Letters*, **1995**, 372, 65-8	3.8	33
78	Characterization of microtubule-associated protein phosphoisoforms present in isolated growth cones. *Developmental Brain Research*, **1995**, 89, 47-55		23
77	Beta-tubulin folding is modulated by the isotype-specific carboxy-terminal domain. *Journal of Molecular Biology*, **1995**, 246, 628-36	6.5	10
76	An increase in phosphorylation of microtubule-associated protein 2 accompanies dendrite extension during the differentiation of cultured hippocampal neurones. *FEBS Journal*, **1995**, 227, 68-77		29
75	Depletion of catalytic and regulatory subunits of protein kinase CK2 by antisense oligonucleotide treatment of neuroblastoma cells. *Cellular and Molecular Neurobiology*, **1994**, 14, 407-14	4.6	14
74	Role of phosphorylated MAPlB in neuritogenesis. *Cell Biology International*, **1994**, 18, 309-14	4.5	13
73	Microtubule-associated protein MAP1B showing a fetal phosphorylation pattern is present in sites of neurofibrillary degeneration in brains of Alzheimer's disease patients. *Molecular Brain Research*, **1994**, 26, 113-22		60
72	Tissue-type plasminogen activator (tPA) is the main plasminogen activator associated with isolated rat nerve growth cones. *Neuroscience Letters*, **1994**, 180, 123-6	3.3	25
71	Dephosphorylation of tau protein from Alzheimer's disease patients. *Neuroscience Letters*, **1994**, 165, 175-8	3.3	13
70	A Possible Mechanism for the Stimulation of Cell DNA Synthesis by Viral Infection **1994**, 149-151		
69	MAP2 phosphorylation parallels dendrite arborization in hippocampal neurones in culture. *NeuroReport*, **1993**, 4, 419-22	1.7	40
68	High external potassium induces an increase in the phosphorylation of the cytoskeletal protein MAP2 in rat hippocampal slices. *European Journal of Neuroscience*, **1993**, 5, 818-24	3.5	19
67	Heterogeneity in the phosphorylation of microtubule-associated protein MAP1B during rat brain development. *Journal of Neurochemistry*, **1993**, 61, 961-72	6	91
66	Rapid dephosphorylation of microtubule-associated protein 2 in the rat brain hippocampus after pentylenetetrazole-induced seizures. *FEBS Journal*, **1993**, 215, 181-7		7
65	Dephosphorylation of distinct sites on microtubule-associated protein MAP1B by protein phosphatases 1, 2A and 2B. *FEBS Letters*, **1993**, 330, 85-9	3.8	47
64	Role of the carboxy terminal region of beta tubulin on microtubule dynamics through its interaction with the GTP phosphate binding region. *FEBS Letters*, **1993**, 325, 173-6	3.8	11
63	Microtubule functions. *Life Sciences*, **1992**, 50, 327-34	6.8	71

62	Tau-related protein present in paired helical filaments has a decreased tubulin binding capacity as compared with microtubule-associated protein tau. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **1991**, 1096, 197-204	6.9	19
61	MAP-1 and MAP-2 binding sites at the C-terminus of beta-tubulin. Studies with synthetic tubulin peptides. *Biochemistry*, **1991**, 30, 4362-6	3.2	66
60	Differential effects of tumor necrosis factor on the growth and differentiation of neuroblastoma and glioma cells. *Experimental Cell Research*, **1991**, 194, 161-4	4.2	24
59	Phosphorylation of microtubule proteins in rat brain at different developmental stages: comparison with that found in neuronal cultures. *Journal of Neurochemistry*, **1990**, 54, 211-22	6	71
58	Microtubule dynamics. *FASEB Journal*, **1990**, 4, 3284-90	0.9	61
57	Aluminum induces the in vitro aggregation of bovine brain cytoskeletal proteins. *Neuroscience Letters*, **1990**, 110, 221-6	3.3	42
56	Common antigenic determinants of the tubulin binding domains of the microtubule-associated proteins MAP-2 and tau. *BBA - Proteins and Proteomics*, **1990**, 1040, 382-90		8
55	Subcellular localization of iodinated thyroid tubulin. *Bioscience Reports*, **1989**, 9, 375-82	4.1	
54	Quantitation of microtubule-associated protein MAP-1B in brain and other tissues. *International Journal of Biochemistry & Cell Biology*, **1989**, 21, 723-30		3
53	Sodium butyrate induces major morphological changes in C6 glioma cells that are correlated with increased synthesis of a spectrin-like protein. *Developmental Brain Research*, **1989**, 45, 291-5		10
52	A discrete repeated sequence defines a tubulin binding domain on microtubule-associated protein tau. *Archives of Biochemistry and Biophysics*, **1989**, 275, 568-79	4.1	65
51	Detection of tubulin-binding proteins by an overlay assay. *Analytical Biochemistry*, **1988**, 175, 91-5	3.1	18
50	Differential phosphorylation of microtubule proteins by ATP and GTP. *Molecular and Cellular Biochemistry*, **1988**, 79, 73-9	4.2	8
49	A modified form of microtubule-associated tau protein is the main component of paired helical filaments. *Biochemical and Biophysical Research Communications*, **1988**, 154, 660-7	3.4	38
48	Tau factor polymers are similar to paired helical filaments of Alzheimer's disease. *FEBS Letters*, **1988**, 236, 150-4	3.8	43
47	Triiodothyronine (T3) induces neurite formation and increases synthesis of a protein related to MAP 1B in cultured cells of neuronal origin. *Developmental Brain Research*, **1988**, 466, 141-8		23
46	Iodination of proteins on nitrocellulose blotting paper. *Journal of Proteomics*, **1988**, 16, 17-25		1
45	Microtubule-associated protein, MAP2, is a calcium-binding protein. *Biochimica Et Biophysica Acta - General Subjects*, **1988**, 965, 195-201	4	14

44	In vitro conditions for the self-polymerization of the microtubule-associated protein, tau factor. *Journal of Biochemistry*, **1987**, 102, 1415-21	3.1	38
43	Regulatory aspects of the colchicine interactions with tubulin. *Molecular and Cellular Biochemistry*, **1987**, 73, 29-36	4.2	5
42	Microtubule-associated proteins present in different developmental stages of Drosophila melanogaster. *Journal of Cellular Biochemistry*, **1987**, 35, 83-92	4.7	9
41	Localization of the phosphorylation sites for different kinases in the microtubule-associated protein MAP2. *Journal of Neurochemistry*, **1987**, 48, 84-93	6	36
40	Location of the regions recognized by five commercial antibodies on the tubulin molecule. *Analytical Biochemistry*, **1986**, 159, 253-9	3.1	29
39	Phosphorylation of tubulin enhances its interaction with membranes. *Nature*, **1986**, 323, 827-8	50.4	51
38	Physicochemical characterization of the heat-stable microtubule-associated protein MAP2. *FEBS Journal*, **1986**, 154, 41-8		84
37	Characterization and structural aspects of the enhanced assembly of tubulin after removal of its carboxyl-terminal domain. *FEBS Journal*, **1986**, 156, 375-81		71
36	Characterization of a membrane-specific tubulin isoform by peptide mapping. *Bioscience Reports*, **1986**, 6, 913-9	4.1	2
35	The removal of the carboxy-terminal region of tubulin favors its vinblastine-induced aggregation into spiral-like structures. *Archives of Biochemistry and Biophysics*, **1986**, 249, 611-5	4.1	15
34	Self assembly of microtubule associated protein tau into filaments resembling those found in Alzheimer disease. *Biochemical and Biophysical Research Communications*, **1986**, 141, 790-6	3.4	101
33	A Trypanosoma cruzi monoclonal antibody that recognizes a superficial tubulin-like antigen. *Biochemical and Biophysical Research Communications*, **1986**, 139, 1176-83	3.4	10
32	The Carboxyterminal Region of Tubulin Regulates Its Assembly into Microtubules. *Annals of the New York Academy of Sciences*, **1986**, 466, 642-644	6.5	1
31	Proteolytic modification of tubulin. *Methods in Enzymology*, **1986**, 134, 179-90	1.7	19
30	Quantitation and characterization of tau factor in porcine tissues. *Biochimica Et Biophysica Acta - General Subjects*, **1986**, 881, 456-61	4	20
29	The interaction between a Na+-channel toxin and brain microtubule proteins in vitro. *Molecular Brain Research*, **1986**, 387, 43-51		
28	Interaction of an Na+-channel toxin, purified from scorpion venom, with micro tubule proteins in vitro. *Biochemical Society Transactions*, **1985**, 13, 1210-1211	5.1	1
27	Localization and characterization of tubulin-like proteins associated with brain mitochondria: the presence of a membrane-specific isoform. *Journal of Neurochemistry*, **1985**, 45, 490-6	6	31

26	Quantitative determination of tubulin and characterization of tubulin forms during development in Drosophila melanogaster. *Cell Differentiation*, **1985**, 16, 63-9		3
25	Localization of the tubulin binding site for tau protein. *FEBS Journal*, **1985**, 153, 595-600		110
24	Structural and functional domains of tubulin. *BioEssays*, **1985**, 2, 165-169	4.1	24
23	A cell division mutant of Drosophila with a functionally abnormal spindle. *Cell*, **1985**, 41, 907-12	56.2	76
22	Homogeneity of lung tubulin isoforms during lung maturation. *Biochimie*, **1985**, 67, 1059-62	4.6	4
21	Antibodies to vimentin intermediate filaments in sera from patients with systemic lupus erythematosus. *Arthritis and Rheumatism*, **1984**, 27, 922-8		48
20	Controlled proteolysis of tubulin by subtilisin: localization of the site for MAP2 interaction. *Biochemistry*, **1984**, 23, 4675-81	3.2	257
19	Characteristics of the binding of colchicine to porcine brain, cerebellum, pancreas, kidney, liver and spleen soluble protein: a comparative study. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1984**, 79, 107-11		1
18	Quantitation and characterization of the microtubule associated MAP2 in porcine tissues and its isolation from porcine (PK15) and human (HeLa) cell lines. *Biochemical and Biophysical Research Communications*, **1982**, 105, 1241-9	3.4	47
17	Comparative measurement by radioimmunoassay of the brain microtubule-associated protein MAP2. *Molecular and Cellular Biochemistry*, **1981**, 37, 185-9	4.2	11
16	Binding of microtubule protein to DNA and chromatin: possibility of simultaneous linkage of microtubule to nucleic and assembly of the microtubule structure. *Nucleic Acids Research*, **1981**, 9, 895-908	20.1	34
15	Microtubule-associated-protein MAP1 is not implicated in the polymerization of microtubules. *FEBS Journal*, **1980**, 112, 611-6		12
14	Effects of DNA on microtubule assembly. *FEBS Journal*, **1980**, 105, 7-16		43
13	Incorporation of the high-molecular-weight microtubule-associated protein 2 (MAP2) into microtubules at steady state in vitro. *FEBS Journal*, **1980**, 105, 307-13		12
12	DNA polymerase activity, probably DNA polymerase alpha, remains associated to microtubules after successive polymerization cycles. *Biochemical and Biophysical Research Communications*, **1980**, 92, 237-46	3.4	3
11	Preferential binding of hog brain microtubule-associated proteins to mouse satellite versus bulk DNA preparations. *Nature*, **1978**, 273, 403-5	50.4	46
10	Interaction of contractile proteins with DNA. *FEBS Journal*, **1978**, 83, 529-35		2
9	Binding of microtubule proteins to DNA: specificity of the interaction. *FEBS Journal*, **1978**, 86, 473-9		39

8	The temperature-sensitive defect in SV40 group D mutants. *Virology*, **1976**, 73, 89-95	3.6	18
7	Initiation of the transcription of phi29 DNA by Bacillus subtilis RNA polymerase. *Nucleic Acids and Protein Synthesis*, **1974**, 349, 320-7		5
6	Viral DNA synthesis in cells infected by temperature-sensitive mutants of simian virus 40. *Journal of Virology*, **1974**, 14, 116-24	6.6	141
5	Purification and properties of DNA-dependent RNA polymerase from Bacillus subtilis vegetative cells. *FEBS Journal*, **1971**, 21, 526-35		57
4	Subunit composition of B. subtilis RNA polymerase. *Nature*, **1970**, 226, 1244-5	50.4	31
3	GSK-3, a Key Player in Alzheimer's Disease105-124		
2	Animal Models with Modified Expression of GSK-3 for the Study of Its Physiology and of Its Implications in Human Pathologies203-219		
1	The IDH-Tau-EGFR triad defines diffuse glioma pathology by controlling mesenchymal differentiation and neo-vascular fitness		1