Jean-Pierre Brion

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Current directions in tau research: Highlights from Tau 2020. Alzheimer's and Dementia, 2022, 18, 988-1007.	0.8	42
2	Tau Pathology and Adult Hippocampal Neurogenesis: What Tau Mouse Models Tell us?. Frontiers in Neurology, 2021, 12, 610330.	2.4	8
3	Dysregulation of Phosphoinositide 5-Phosphatases and Phosphoinositides in Alzheimer's Disease. Frontiers in Neuroscience, 2021, 15, 614855.	2.8	4
4	A primary cilium in oligodendrocytes: a fine structure signal of repairs in thalamic Osmotic Demyelination Syndrome (ODS). Ultrastructural Pathology, 2021, 45, 128-157.	0.9	2
5	Regulation of PPARα by APP in Alzheimer disease affects the pharmacological modulation of synaptic activity. JCl Insight, 2021, 6, .	5.0	8
6	Picalm reduction exacerbates tau pathology in a murine tauopathy model. Acta Neuropathologica, 2020, 139, 773-789.	7.7	27
7	Intravenous Injection of PHF-Tau Proteins From Alzheimer Brain Exacerbates Neuroinflammation, Amyloid Beta, and Tau Pathologies in 5XFAD Transgenic Mice. Frontiers in Molecular Neuroscience, 2020, 13, 106.	2.9	4
8	The lipid phosphatase Synaptojanin 1 undergoes a significant alteration in expression and solubility and is associated with brain lesions in Alzheimer's disease. Acta Neuropathologica Communications, 2020, 8, 79.	5.2	15
9	de novo MAPT mutation G335A causes severe brain atrophy, 3R and 4R PHF-tau pathology and early onset frontotemporal dementia. Acta Neuropathologica Communications, 2020, 8, 94.	5.2	5
10	Alzheimer's Disease: Tau Pathology and Dysfunction of Endocytosis. Frontiers in Molecular Neuroscience, 2020, 13, 583755.	2.9	19
11	The osmotic demyelination syndrome: the resilience of thalamic neurons is verified with transmission electron microscopy. Ultrastructural Pathology, 2020, 44, 450-480.	0.9	6
12	Induction of Stearoyl-CoA 9-Desaturase 1 Protects Human Mesenchymal Stromal Cells Against Palmitic Acid-Induced Lipotoxicity and Inflammation. Frontiers in Endocrinology, 2019, 10, 726.	3.5	18
13	A 4R tauopathy develops without amyloid deposits in aged cat brains. Neurobiology of Aging, 2019, 81, 200-212.	3.1	10
14	Ultrastructural Analysis of Thalamus Damages in a Mouse Model of Osmotic-Induced Demyelination. Neurotoxicity Research, 2019, 36, 144-162.	2.7	17
15	Genetic ablation of tau in postnatal neurons rescues decreased adult hippocampal neurogenesis in a tauopathy model. Neurobiology of Disease, 2019, 127, 131-141.	4.4	17
16	Amyloid-β pathology enhances pathological fibrillary tau seeding induced by Alzheimer PHF in vivo. Acta Neuropathologica, 2019, 137, 397-412.	7.7	74
17	Sex-regulated gene dosage effect of PPARα on synaptic plasticity. Life Science Alliance, 2019, 2, e201800262.	2.8	16
18	Interaction between a MAPT variant causing frontotemporal dementia and mutant APP affects axonal transport. Neurobiology of Aging, 2018, 68, 68-75.	3.1	17

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19	Regional oligodendrocytopathy and astrocytopathy precede myelin loss and blood–brain barrier disruption in a murine model of osmotic demyelination syndrome. Clia, 2018, 66, 606-622.	4.9	29
20	Neuropathology of iatrogenic Creutzfeldt–Jakob disease and immunoassay of French cadaver-sourced growth hormone batches suggest possible transmission of tauopathy and long incubation periods for the transmission of Abeta pathology. Acta Neuropathologica, 2018, 135, 201-212.	7.7	71
21	3D imaging in the postmortem human brain with CLARITY and CUBIC. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 150, 303-317.	1.8	5
22	Osmotic Stress–Induced Defective Glial Proteostasis Contributes to Brain Demyelination after Hyponatremia Treatment. Journal of the American Society of Nephrology: JASN, 2017, 28, 1802-1813.	6.1	42
23	Hallmarks of Alzheimer's Disease in Stem-Cell-Derived Human Neurons Transplanted into Mouse Brain. Neuron, 2017, 93, 1066-1081.e8.	8.1	204
24	Amyloid precursor protein reduction enhances the formation of neurofibrillary tangles in a mutant tau transgenic mouse model. Neurobiology of Aging, 2017, 55, 202-212.	3.1	15
25	Cortical cells reveal APP as a new player in the regulation of GABAergic neurotransmission. Scientific Reports, 2017, 7, 370.	3.3	31
26	What is the evidence that tau pathology spreads through prion-like propagation?. Acta Neuropathologica Communications, 2017, 5, 99.	5.2	272
27	EuroTau: towing scientists to tau without tautology. Acta Neuropathologica Communications, 2017, 5, 90.	5.2	8
28	High–Molecular-Weight Paired Helical Filaments from Alzheimer Brain Induces Seeding of Wild-Type Mouse Tau into an Argyrophilic 4R Tau Pathology inÂVivo. American Journal of Pathology, 2016, 186, 2709-2722.	3.8	51
29	Cell cycle S phase markers are expressed in cerebral neuron nuclei of cats infected by the Feline Panleukopenia Virus. Cell Cycle, 2016, 15, 3482-3489.	2.6	13
30	Level of PICALM, a key component of clathrin-mediated endocytosis, is correlated with levels of phosphotau and autophagy-related proteins and is associated with tau inclusions in AD, PSP and Pick disease. Neurobiology of Disease, 2016, 94, 32-43.	4.4	66
31	Tauopathy induced by low level expression of a human brain-derived tau fragment in mice is rescued by phenylbutyrate. Brain, 2016, 139, 2290-2306.	7.6	43
32	Mislocalization of neuronal tau in the absence of tangle pathology in phosphomutant tau knockin mice. Neurobiology of Aging, 2016, 39, 1-18.	3.1	23
33	A neuronal aging pattern unique to humans and common chimpanzees. Brain Structure and Function, 2016, 221, 647-664.	2.3	18
34	Adult neural precursor cells form connexin-dependent networks that improve their survival. NeuroReport, 2015, 26, 928-936.	1.2	12
35	Rapamycin Ester Analog CCI-779/Temsirolimus Alleviates Tau Pathology and Improves Motor Deficit in Mutant Tau Transgenic Mice. Journal of Alzheimer's Disease, 2015, 44, 1145-1156.	2.6	64
36	PART is part of Alzheimer disease. Acta Neuropathologica, 2015, 129, 749-756.	7.7	256

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37	Motor Deficit in a Tauopathy Model Is Induced by Disturbances of Axonal Transport Leading to Dying-Back Degeneration and Denervation of Neuromuscular Junctions. American Journal of Pathology, 2015, 185, 2685-2697.	3.8	10
38	Subcellular structural plasticity caused by the absence of the fast Ca2+ buffer calbindin D-28k in recurrent collaterals of cerebellar Purkinje neurons. Frontiers in Cellular Neuroscience, 2014, 8, 364.	3.7	5
39	Clusterin regulates β-amyloid toxicity via Dickkopf-1-driven induction of the wnt–PCP–JNK pathway. Molecular Psychiatry, 2014, 19, 88-98.	7.9	197
40	Overexpression of the Astrocyte Glutamate Transporter GLT1 Exacerbates Phrenic Motor Neuron Degeneration, Diaphragm Compromise, and Forelimb Motor Dysfunction following Cervical Contusion Spinal Cord Injury. Journal of Neuroscience, 2014, 34, 7622-7638.	3.6	56
41	Inositol trisphosphate 3-kinase B is increased in human Alzheimer brain and exacerbates mouse Alzheimer pathology. Brain, 2014, 137, 537-552.	7.6	61
42	Increased misfolding and truncation of tau in APP/PS1/tau transgenic mice compared to mutant tau mice. Neurobiology of Disease, 2014, 62, 100-112.	4.4	54
43	Vaccination with Sarkosyl Insoluble PHF-Tau Decrease Neurofibrillary Tangles Formation in Aged Tau Transgenic Mouse Model: A Pilot Study. Journal of Alzheimer's Disease, 2014, 40, S135-S145.	2.6	18
44	P4-004: ABNORMAL PROCESSING AND MISFOLDING OF TAU IS MODULATED BY ENDOGENOUS TAU AND MUTANT APP/PS1 BUT NOT BY ENDOGENOUS APP IN TAU TRANSGENIC MICE. , 2014, 10, P785-P785.		0
45	Identification of feline panleukopenia virus proteins expressed in Purkinje cell nuclei of cats with cerebellar hypoplasia. Veterinary Journal, 2013, 196, 381-387.	1.7	13
46	Role of p73 in Alzheimer disease: lack of association in mouse models or in human cohorts. Molecular Neurodegeneration, 2013, 8, 10.	10.8	7
47	Expression of transferrin receptor 1, proliferating cell nuclear antigen, p27Kip1 and calbindin in the fetal and neonatal feline cerebellar cortex. Veterinary Journal, 2013, 196, 388-393.	1.7	5
48	Clathrin adaptor CALM/PICALM is associated with neurofibrillary tangles and is cleaved in Alzheimer's brains. Acta Neuropathologica, 2013, 125, 861-878.	7.7	107
49	Amyloid precursor protein controls cholesterol turnover needed for neuronal activity. EMBO Molecular Medicine, 2013, 5, 608-625.	6.9	88
50	Early Phrenic Motor Neuron Loss and Transient Respiratory Abnormalities after Unilateral Cervical Spinal Cord Contusion. Journal of Neurotrauma, 2013, 30, 1092-1099.	3.4	65
51	Epigenetic Induction of ECR-1 Expression by the Amyloid Precursor Protein during Exposure to Novelty. PLoS ONE, 2013, 8, e74305.	2.5	22
52	Degeneration of Phrenic Motor Neurons Induces Long-Term Diaphragm Deficits following Mid-Cervical Spinal Contusion in Mice. Journal of Neurotrauma, 2012, 29, 2748-2760.	3.4	66
53	Central role and mechanisms of βâ€cell dysfunction and death in friedreich ataxia–associated diabetes. Annals of Neurology, 2012, 72, 971-982.	5.3	84
54	Lack of Tau Proteins Rescues Neuronal Cell Death and Decreases Amyloidogenic Processing of APP in APP/PS1 Mice. American Journal of Pathology, 2012, 181, 1928-1940.	3.8	116

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55	Age-dependent axonal transport and locomotor changes and tau hypophosphorylation in a "P301L―tau knockin mouse. Neurobiology of Aging, 2012, 33, 621.e1-621.e15.	3.1	75
56	Phrenic motor neuron degeneration compromises phrenic axonal circuitry and diaphragm activity in a unilateral cervical contusion model of spinal cord injury. Experimental Neurology, 2012, 235, 539-552.	4.1	82
57	Levels of kinesin light chain and dynein intermediate chain are reduced in the frontal cortex in Alzheimer's disease: implications for axoplasmic transport. Acta Neuropathologica, 2012, 123, 71-84.	7.7	36
58	Accelerated Human Mutant Tau Aggregation by Knocking Out Murine Tau in a Transgenic Mouse Model. American Journal of Pathology, 2011, 178, 803-816.	3.8	63
59	Astrocytes Are an Early Target in Osmotic Demyelination Syndrome. Journal of the American Society of Nephrology: JASN, 2011, 22, 1834-1845.	6.1	81
60	Modulation of tau pathology in tau transgenic models. Biochemical Society Transactions, 2010, 38, 996-1000.	3.4	10
61	Deletion of murine tau gene increases tau aggregation in a human mutant tau transgenic mouse model. Biochemical Society Transactions, 2010, 38, 1001-1005.	3.4	20
62	Enhanced Signaling Downstream of Ribonucleic Acid-Dependent Protein Kinase-Like Kinase Potentiates Lipotoxic Endoplasmic Reticulum Stress in Human Islets. Molecular Endocrinology, 2010, 24, 470-470.	3.7	0
63	Enhanced Signaling Downstream of Ribonucleic Acid-Activated Protein Kinase-Like Endoplasmic Reticulum Kinase Potentiates Lipotoxic Endoplasmic Reticulum Stress in Human Islets. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1442-1449.	3.6	52
64	Lithium Treatment Arrests the Development of Neurofibrillary Tangles in Mutant Tau Transgenic Mice with Advanced Neurofibrillary Pathology. Journal of Alzheimer's Disease, 2010, 19, 705-719.	2.6	90
65	Minocycline Protects against Neurologic Complications of Rapid Correction of Hyponatremia. Journal of the American Society of Nephrology: JASN, 2010, 21, 2099-2108.	6.1	24
66	Glycogen synthase kinase-3β and the p25 activator of cyclin dependent kinase 5 increase pausing of mitochondria in neurons. Neuroscience, 2010, 167, 1044-1056.	2.3	39
67	Epigenetic control of aquaporin 1 expression by the amyloid precursor protein. FASEB Journal, 2009, 23, 4158-4167.	0.5	48
68	Expression of Vasoactive Intestinal Peptide and Related Receptors in Overcirculation-Induced Pulmonary Hypertension in Piglets. Pediatric Research, 2009, 66, 395-399.	2.3	10
69	Re-induction of hyponatremia after rapid overcorrection of hyponatremia reduces mortality in rats. Kidney International, 2009, 76, 614-621.	5.2	88
70	Bimodal modulation of tau protein phosphorylation and conformation by extracellular Zn2+ in human-tau transfected cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1058-1067.	4.1	52
71	Deletion of Irs2 reduces amyloid deposition and rescues behavioural deficits in APP transgenic mice. Biochemical and Biophysical Research Communications, 2009, 386, 257-262.	2.1	121
72	Biological Models in Frontotemporal Dementias. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2008, 89, 449-455.	1.8	0

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73	Early Axonopathy Preceding Neurofibrillary Tangles in Mutant Tau Transgenic Mice. American Journal of Pathology, 2007, 171, 976-992.	3.8	122
74	Alzheimer's Disease-Like Tau Neuropathology Leads to Memory Deficits and Loss of Functional Synapses in a Novel Mutated Tau Transgenic Mouse without Any Motor Deficits. American Journal of Pathology, 2006, 169, 599-616.	3.8	337
75	Immunological demonstration of tau protein in neurofibrillary tangles of Alzheimer's disease. Journal of Alzheimer's Disease, 2006, 9, 177-185.	2.6	31
76	Calcium-mediated Transient Phosphorylation of Tau and Amyloid Precursor Protein Followed by Intraneuronal Amyloid-β Accumulation. Journal of Biological Chemistry, 2006, 281, 39907-39914.	3.4	99
77	Lithium Chloride Increases the Production of Amyloid-Î ² Peptide Independently from Its Inhibition of Glycogen Synthase Kinase 3. Journal of Biological Chemistry, 2005, 280, 33220-33227.	3.4	43
78	Tyrosine 394 Is Phosphorylated in Alzheimer's Paired Helical Filament Tau and in Fetal Tau with c-Abl as the Candidate Tyrosine Kinase. Journal of Neuroscience, 2005, 25, 6584-6593.	3.6	168
79	Astrocytic calcium/zinc binding protein S100A6 over expression in Alzheimer's disease and in PS1/APP transgenic mice models. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1742, 161-168.	4.1	72
80	Expression of tau mRNA and soluble tau isoforms in affected and non-affected brain areas in Alzheimer's disease. FEBS Letters, 2004, 576, 183-189.	2.8	61
81	Multifaceted role of galectin-3 on human glioblastoma cell motility. Biochemical and Biophysical Research Communications, 2004, 325, 1393-1398.	2.1	40
82	Characterisation of cytoskeletal abnormalities in mice transgenic for wild-type human tau and familial Alzheimer's disease mutants of APP and presenilin-1. Neurobiology of Disease, 2004, 15, 47-60.	4.4	82
83	Mutant presenilin 1 proteins induce cell death and reduce tau-dependent processes outgrowth. Neuroscience Letters, 2003, 353, 226-230.	2.1	4
84	Increased tau phosphorylation but absence of formation of neurofibrillary tangles in mice double transgenic for human tau and Alzheimer mutant (M146L) presenilin-1. Neuroscience Letters, 2002, 318, 29-33.	2.1	37
85	The active form of glycogen synthase kinase-3? is associated with granulovacuolar degeneration in neurons in Alzheimer's disease. Acta Neuropathologica, 2002, 103, 91-99.	7.7	171
86	Sites of phosphorylation in tau and factors affecting their regulation. Biochemical Society Symposia, 2001, 67, 73-80.	2.7	91
87	Increase of adenomatous polyposis coli immunoreactivity is a marker of reactive astrocytes in Alzheimer's disease and in other pathological conditions. Acta Neuropathologica, 2001, 102, 1-10.	7.7	17
88	Neurofibrillary tangles and tau phosphorylation. Biochemical Society Symposia, 2001, 67, 81-88.	2.7	103
89	The function of the microtubule-associated protein tau is variably modulated by graded changes in glycogen synthase kinase-31² activity. FEBS Letters, 2000, 465, 34-38.	2.8	31
90	Mint2/X11â€like colocalizes with the Alzheimer's disease amyloid precursor protein and is associated with neuritic plaques in Alzheimer's disease. European Journal of Neuroscience, 1999, 11, 1988-1994.	2.6	76

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91	Developmental expression and localization of glycogen synthase kinase-3Î ² in rat brain. Journal of Chemical Neuroanatomy, 1999, 16, 279-293.	2.1	217
92	Lithium reduces tau phosphorylation: effects in living cells and in neurons at therapeutic concentrations. Biological Psychiatry, 1999, 45, 995-1003.	1.3	145
93	Transgenic Expression of the Shortest Human Tau Affects Its Compartmentalization and Its Phosphorylation as in the Pretangle Stage of Alzheimer's Disease. American Journal of Pathology, 1999, 154, 255-270.	3.8	200
94	The Long Term Adenoviral Expression of the Human Amyloid Precursor Protein Shows Different Secretase Activities in Rat Cortical Neurons and Astrocytes. Journal of Biological Chemistry, 1998, 273, 28931-28936.	3.4	28
95	Abnormalities of Wnt signalling in schizophrenia – evidence for neurodevelopmental abnormality. NeuroReport, 1998, 9, 1379-1383.	1.2	150
96	Neuropathological Abnormalities in Transgenic Mice Harbouring a Phosphorylation Mutant Neurofilament Transgene. Journal of Neurochemistry, 1998, 70, 492-500.	3.9	46
97	Tau phosphorylation in transgenic mice expressing glycogen synthase kinase-3β transgenes. NeuroReport, 1997, 8, 3251-3255.	1.2	103
98	Oxidative Stress Induces Dephosphorylation of Ï" in Rat Brain Primary Neuronal Cultures. Journal of Neurochemistry, 1997, 68, 1590-1597.	3.9	49
99	Neurodegenerative changes including altered tau phosphorylation and neurofilament immunoreactivity in mice transgenic for the serine/threonine kinase mos. Neurobiology of Aging, 1996, 17, 235-241.	3.1	24
100	Reduction of Acetylated α-Tubulin Immunoreactivity in Neurofibrillary Tangle-bearing Neurons in Alzheimer's Disease. Journal of Neuropathology and Experimental Neurology, 1996, 55, 964-972.	1.7	154
101	Phosphorylation of tau protein is not affected in mice lacking apolipoprotein E. NeuroReport, 1995, 6, 2381-2384.	1.2	23
102	Heterotopic brain tissue in the scalp. Journal of Plastic, Reconstructive and Aesthetic Surgery, 1995, 48, 332-334.	1.1	15
103	Calcineurin (phosphatase 2B) is Present in Neurons Containing Neurofibrillary Tangles and in a Subset of Senile Plaques in Alzheimer's Disease. Experimental Neurology, 1995, 4, 13-21.	1.7	16
104	Heparin treatment increases 9-kb MAP2 mRNA levels in neuronal cell cultures. Neuroscience Letters, 1994, 168, 175-180.	2.1	0
105	Neurofilament Monoclonal Antibodies RT97 and 8D8 Recognize Different Modified Epitopes in Paired Helical Filament-? in Alzheimer's Disease. Journal of Neurochemistry, 1993, 60, 1372-1382.	3.9	64
106	Developmental Changes in Ï" Phosphorylation: Fetal Ï" Is Transiently Phosphorylated in a Manner Similar to Paired Helical Filament-Ï" Characteristic of Alzheimer's Disease. Journal of Neurochemistry, 1993, 61, 2071-2080.	3.9	180
107	A new monoclonal antibody against the anionic domain of the amyloid precursor protein of Alzheimer's disease. NeuroReport, 1993, 5, 289-292.	1.2	11
108	Glycogen synthase kinase-3 induces Alzheimer's disease-like phosphorylation of tau: Generation of paired helical filament epitopes and neuronal localisation of the kinase. Neuroscience Letters, 1992, 147, 58-62.	2.1	690

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109	The pathology of the neuronal cytoskeleton in Alzheimer's disease. BBA - Proteins and Proteomics, 1992, 1160, 134-142.	2.1	17
110	Synaptophysin and chromogranin A immunoreactivities in senile plaques of Alzheimer's disease. Brain Research, 1991, 539, 143-150.	2.2	60
111	Ultrastructural and biochemical basis of Alzheimer's disease. Reviews in Clinical Gerontology, 1991, 1, 17-28.	0.5	4
112	Effects of aluminium chloride on cultured cells from rat brain hemispheres. Brain Research, 1988, 438, 67-76.	2.2	63
113	Isolation of cDNAs coding for epitopes shared by microtubule-associated proteins and neurofibrillary tangles in Alzheimer's disease. FEBS Letters, 1987, 226, 28-32.	2.8	11
114	ALZHEIMER'S DISEASE AND TAU PROTEINS. Lancet, The, 1986, 328, 1098.	13.7	56
115	Transmission and scanning electron-microscopic observations on tanycytes in the mediobasal hypothalamus and the median eminence of adrenalectomized rats. Cell and Tissue Research, 1982, 221, 643-55.	2.9	11
116	Intranuclear inclusions in the neurons of senescent rats. Acta Neuropathologica, 1982, 58, 107-110.	7.7	12
117	Glial Cells Identified by Anti-?-Albumin (Anti-GFA) in Human Pineal Gland. Journal of Neurochemistry, 1982, 38, 863-865.	3.9	35
118	Cellular Changes in Alzheimer's Disease. , 0, , 1073-1081.		2