

Emmanuel Planel

List of Publications by Year in descending order

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78
papers

6,759
citations

57758

44
h-index

69250

77
g-index

82
all docs

82
docs citations

82
times ranked

7764
citing authors

#	ARTICLE	IF	CITATIONS
1	Passive immunization against phosphorylated tau improves features of Huntington's disease pathology. <i>Molecular Therapy</i> , 2022, 30, 1500-1522.	8.2	11
2	Seizure activity triggers tau hyperphosphorylation and amyloidogenic pathways. <i>Epilepsia</i> , 2022, 63, 919-935.	5.1	19
3	Sauna-like conditions or menthol treatment reduce tau phosphorylation through mild hyperthermia. <i>Neurobiology of Aging</i> , 2022, 113, 118-130.	3.1	7
4	Intranasal Administration of Nanovectorized Docosahexaenoic Acid (DHA) Improves Cognitive Function in Two Complementary Mouse Models of Alzheimer's Disease. <i>Antioxidants</i> , 2022, 11, 838.	5.1	9
5	Repurposing beta-3 adrenergic receptor agonists for Alzheimer's disease: beneficial effects in a mouse model. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 103.	6.2	17
6	Metabolic determinants of Alzheimer's disease: A focus on thermoregulation. <i>Ageing Research Reviews</i> , 2021, 72, 101462.	10.9	18
7	Circadian and sleep/wake-dependent variations in tau phosphorylation are driven by temperature. <i>Sleep</i> , 2020, 43, .	1.1	19
8	Advances and Challenges in Understanding MicroRNA Function in Tauopathies: A Case Study of miR-132/212. <i>Frontiers in Neurology</i> , 2020, 11, 578720.	2.4	3
9	MicroRNA-138 Overexpression Alters A β 242 Levels and Behavior in Wildtype Mice. <i>Frontiers in Neuroscience</i> , 2020, 14, 591138.	2.8	16
10	Arterial Stiffness Due to Carotid Calcification Disrupts Cerebral Blood Flow Regulation and Leads to Cognitive Deficits. <i>Journal of the American Heart Association</i> , 2019, 8, e011630.	3.7	38
11	Repeated cold exposures protect a mouse model of Alzheimer's disease against cold-induced tau phosphorylation. <i>Molecular Metabolism</i> , 2019, 22, 110-120.	6.5	24
12	The toxin MPTP generates similar cognitive and locomotor deficits in hTau and tau knock-out mice. <i>Brain Research</i> , 2019, 1711, 106-114.	2.2	7
13	Administration of the benzodiazepine midazolam increases tau phosphorylation in the mouse brain. <i>Neurobiology of Aging</i> , 2019, 75, 11-24.	3.1	21
14	Co-occurrence of mixed proteinopathies in late-stage Huntington's disease. <i>Acta Neuropathologica</i> , 2018, 135, 249-265.	7.7	60
15	Human Tau Expression Does Not Induce Mouse Retina Neurodegeneration, Suggesting Differential Toxicity of Tau in Brain vs. Retinal Neurons. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 293.	2.9	15
16	Insulin deprivation induces PP2A inhibition and tau hyperphosphorylation in hTau mice, a model of Alzheimer's disease-like tau pathology. <i>Scientific Reports</i> , 2017, 7, 46359.	3.3	58
17	A Simple Method to Avoid Nonspecific Signal When Using Monoclonal Anti-Tau Antibodies in Western Blotting of Mouse Brain Proteins. <i>Methods in Molecular Biology</i> , 2017, 1523, 263-272.	0.9	7
18	Presence of tau pathology within foetal neural allografts in patients with Huntington's and Parkinson's disease. <i>Brain</i> , 2017, 140, 2982-2992.	7.6	51

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19	Differential effects of voluntary treadmill exercise and caloric restriction on tau pathogenesis in a mouse model of Alzheimer's disease-like tau pathology fed with Western diet. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 79, 452-461.	4.8	23
20	Regulation of brain insulin signaling: A new function for tau. <i>Journal of Experimental Medicine</i> , 2017, 214, 2171-2173.	8.5	9
21	Old age potentiates cold-induced tau phosphorylation: linking thermoregulatory deficit with Alzheimer's disease. <i>Neurobiology of Aging</i> , 2017, 50, 25-29.	3.1	29
22	Tau hyperphosphorylation in the brain of ob/ob mice is due to hypothermia: Importance of thermoregulation in linking diabetes and Alzheimer's disease. <i>Neurobiology of Disease</i> , 2017, 98, 1-8.	4.4	34
23	Impaired Resolution of Inflammation in Alzheimer's Disease: A Review. <i>Frontiers in Immunology</i> , 2017, 8, 1464.	4.8	68
24	PI3K: Sustained Effect of Cold Exposure on TAU Phosphorylation: Relevance for Alzheimer's Disease. <i>Alzheimer's and Dementia</i> , 2016, 12, P405.	0.8	1
25	Impaired thermoregulation and beneficial effects of thermoneutrality in the 3xTg-AD model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2016, 43, 47-57.	3.1	48
26	High-fat, high-sugar, and high-cholesterol consumption does not impact tau pathogenesis in a mouse model of Alzheimer's disease-like tau pathology. <i>Neurobiology of Aging</i> , 2016, 47, 71-73.	3.1	26
27	microRNA-132/212 deficiency enhances A β ² production and senile plaque deposition in Alzheimer's disease triple transgenic mice. <i>Scientific Reports</i> , 2016, 6, 30953.	3.3	101
28	Hypothermia mediates age-dependent increase of tau phosphorylation in db/db mice. <i>Neurobiology of Disease</i> , 2016, 88, 55-65.	4.4	36
29	Dendritic Spine Loss and Chronic White Matter Inflammation in a Mouse Model of Highly Repetitive Head Trauma. <i>American Journal of Pathology</i> , 2016, 186, 552-567.	3.8	84
30	Is Huntington's disease a tauopathy?. <i>Brain</i> , 2016, 139, 1014-1025.	7.6	64
31	ERK (MAPK) does not phosphorylate tau under physiological conditions in vivo or in vitro. <i>Neurobiology of Aging</i> , 2015, 36, 901-902.	3.1	19
32	Tau hyperphosphorylation and deregulation of calcineurin in mouse models of Huntington's disease. <i>Human Molecular Genetics</i> , 2015, 24, 86-99.	2.9	56
33	Dexmedetomidine increases tau phosphorylation under normothermic conditions in vivo and in vitro. <i>Neurobiology of Aging</i> , 2015, 36, 2414-2428.	3.1	29
34	Age-dependent impairment of glucose tolerance in the 3xTg-AD mouse model of Alzheimer's disease. <i>FASEB Journal</i> , 2015, 29, 4273-4284.	0.5	84
35	Memory formation and retention are affected in adult miR-132/212 knockout mice. <i>Behavioural Brain Research</i> , 2015, 287, 15-26.	2.2	75
36	miR-132/212 deficiency impairs tau metabolism and promotes pathological aggregation in vivo. <i>Human Molecular Genetics</i> , 2015, 24, 6721-6735.	2.9	177

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37	Specificity of Anti-Tau Antibodies when Analyzing Mice Models of Alzheimer's Disease: Problems and Solutions. PLoS ONE, 2014, 9, e94251.	2.5	102
38	Insulin dysfunction and Tau pathology. Frontiers in Cellular Neuroscience, 2014, 8, 22.	3.7	95
39	Insulin Reverses the High-Fat Diet-Induced Increase in Brain A β and Improves Memory in an Animal Model of Alzheimer Disease. Diabetes, 2014, 63, 4291-4301.	0.6	197
40	Starvation and inhibition of lysosomal function increased tau secretion by primary cortical neurons. Scientific Reports, 2014, 4, 5715.	3.3	77
41	Anesthesia, surgery and neurodegeneration. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2013, 47, 121.	4.8	5
42	Anesthesia and tau pathology. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2013, 47, 147-155.	4.8	88
43	Deregulation of Protein Phosphatase 2A and Hyperphosphorylation of τ , Protein Following Onset of Diabetes in NOD Mice. Diabetes, 2013, 62, 609-617.	0.6	57
44	Anesthesia-induced hypothermia mediates decreased ARC gene and protein expression through ERK/MAPK inactivation. Scientific Reports, 2013, 3, 1388.	3.3	28
45	Hypothermia-induced hyperphosphorylation: a new model to study tau kinase inhibitors. Scientific Reports, 2012, 2, 480.	3.3	63
46	Biochemical Isolation of Insoluble Tau in Transgenic Mouse Models of Tauopathies. Methods in Molecular Biology, 2012, 849, 473-491.	0.9	33
47	Cognitive and non-cognitive behaviors in the triple transgenic mouse model of Alzheimer's disease expressing mutated APP, PS1, and Mapt (3xTg-AD). Behavioural Brain Research, 2012, 234, 334-342.	2.2	118
48	Gene Network and Pathway Analysis of Mice with Conditional Ablation of Dicer in Post-Mitotic Neurons. PLoS ONE, 2012, 7, e44060.	2.5	22
49	Postoperative Cognitive Decline. Anesthesiology, 2012, 116, 751-752.	2.5	14
50	Dimethyl Sulfoxide Induces Both Direct and Indirect Tau Hyperphosphorylation. PLoS ONE, 2012, 7, e40020.	2.5	28
51	Alzheimer's Disease and Anesthesia. Frontiers in Neuroscience, 2011, 4, 272.	2.8	56
52	Propofol Directly Increases Tau Phosphorylation. PLoS ONE, 2011, 6, e16648.	2.5	122
53	MicroRNA-132 loss is associated with tau exon 10 inclusion in progressive supranuclear palsy. Human Molecular Genetics, 2011, 20, 4016-4024.	2.9	136
54	Genetic ablation of Dicer in adult forebrain neurons results in abnormal tau hyperphosphorylation and neurodegeneration. Human Molecular Genetics, 2010, 19, 3959-3969.	2.9	285

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55	In Vivo Turnover of Tau and APP Metabolites in the Brains of Wild-Type and Tg2576 Mice: Greater Stability of sAPP in the β -Amyloid Depositing Mice. PLoS ONE, 2009, 4, e7134.	2.5	53
56	Consensus Statement: First International Workshop on Anesthetics and Alzheimer's Disease. Anesthesia and Analgesia, 2009, 108, 1627-1630.	2.2	112
57	Acceleration and persistence of neurofibrillary pathology in a mouse model of tauopathy following anesthesia. FASEB Journal, 2009, 23, 2595-2604.	0.5	130
58	Metabolic Activity Determines Efficacy of Macroautophagic Clearance of Pathological Oligomeric β -Synuclein. American Journal of Pathology, 2009, 175, 736-747.	3.8	144
59	A transgenic rat that develops Alzheimer's disease-like amyloid pathology, deficits in synaptic plasticity and cognitive impairment. Neurobiology of Disease, 2008, 31, 46-57.	4.4	92
60	Transcriptional Regulation of β -Secretase by p25/cdk5 Leads to Enhanced Amyloidogenic Processing. Neuron, 2008, 57, 680-690.	8.1	191
61	Anesthesia-Induced Hyperphosphorylation Detaches 3-Repeat Tau from Microtubules without Affecting Their Stability <i>In Vivo</i> . Journal of Neuroscience, 2008, 28, 12798-12807.	3.6	83
62	A Neuronal Microtubule-Interacting Agent, NAPVSIPQ, Reduces Tau Pathology and Enhances Cognitive Function in a Mouse Model of Alzheimer's Disease. Journal of Pharmacology and Experimental Therapeutics, 2008, 325, 146-153.	2.5	214
63	Interplay between Cyclin-Dependent Kinase 5 and Glycogen Synthase Kinase β Mediated by Neuregulin Signaling Leads to Differential Effects on Tau Phosphorylation and Amyloid Precursor Protein Processing. Journal of Neuroscience, 2008, 28, 2624-2632.	3.6	134
64	Retromer deficiency observed in Alzheimer's disease causes hippocampal dysfunction, neurodegeneration, and $A\beta$ accumulation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7327-7332.	7.1	230
65	Tau Aggregates: Toxic, Inert, or Protective Species?. Journal of Alzheimer's Disease, 2008, 14, 431-436.	2.6	82
66	Anesthesia Leads to Tau Hyperphosphorylation through Inhibition of Phosphatase Activity by Hypothermia. Journal of Neuroscience, 2007, 27, 3090-3097.	3.6	347
67	Insulin Dysfunction Induces <i>In Vivo</i> Tau Hyperphosphorylation through Distinct Mechanisms. Journal of Neuroscience, 2007, 27, 13635-13648.	3.6	227
68	c-Jun N-terminal kinase hyperphosphorylates R406W tau at the PHF β site during mitosis. FASEB Journal, 2006, 20, 762-764.	0.5	33
69	Untangling memory deficits. Nature Medicine, 2005, 11, 826-827.	30.7	42
70	Inhibition of glycogen synthase kinase-3 by lithium correlates with reduced tauopathy and degeneration <i>in vivo</i> . Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6990-6995.	7.1	649
71	Alterations in Glucose Metabolism Induce Hypothermia Leading to Tau Hyperphosphorylation through Differential Inhibition of Kinase and Phosphatase Activities: Implications for Alzheimer's Disease. Journal of Neuroscience, 2004, 24, 2401-2411.	3.6	242
72	U-box protein carboxyl terminus of Hsc70-interacting protein (CHIP) mediates polyubiquitylation preferentially on four-repeat Tau and is involved in neurodegeneration of tauopathy. Journal of Neurochemistry, 2004, 91, 299-307.	3.9	116

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73	Aberrant Tau Phosphorylation by Glycogen Synthase Kinase-3 β and JNK3 Induces Oligomeric Tau Fibrils in COS-7 Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 42060-42065.	3.4	119
74	Tau filament formation and associative memory deficit in aged mice expressing mutant (R406W) human tau. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 13896-13901.	7.1	254
75	Role of GSK-3 β in Alzheimer's disease pathology. <i>Drug Development Research</i> , 2002, 56, 491-510.	2.9	77
76	Inhibition of Protein Phosphatase 2A Overrides Tau Protein Kinase I/Glycogen Synthase Kinase 3 β and Cyclin-dependent Kinase 5 Inhibition and Results in Tau Hyperphosphorylation in the Hippocampus of Starved Mouse. <i>Journal of Biological Chemistry</i> , 2001, 276, 34298-34306.	3.4	183
77	Starvation induces tau hyperphosphorylation in mouse brain: implications for Alzheimer's disease. <i>FEBS Letters</i> , 1999, 461, 329-333.	2.8	114
78	Animal Models of Tauopathy. , 0, , 215-236.		0