

Philippe Marambaud

List of Publications by Year in descending order

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80
papers

15,074
citations

87888

38
h-index

69250

77
g-index

94
all docs

94
docs citations

94
times ranked

27685
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
3	Resveratrol Promotes Clearance of Alzheimer's Disease Amyloid- β Peptides. <i>Journal of Biological Chemistry</i> , 2005, 280, 37377-37382.	3.4	669
4	A presenilin-1/gamma-secretase cleavage releases the E-cadherin intracellular domain and regulates disassembly of adherens junctions. <i>EMBO Journal</i> , 2002, 21, 1948-1956.	7.8	621
5	AMP-activated Protein Kinase Signaling Activation by Resveratrol Modulates Amyloid- β Peptide Metabolism. <i>Journal of Biological Chemistry</i> , 2010, 285, 9100-9113.	3.4	560
6	A CBP Binding Transcriptional Repressor Produced by the PS1/ μ -Cleavage of N-Cadherin Is Inhibited by PS1 FAD Mutations. <i>Cell</i> , 2003, 114, 635-645.	28.9	459
7	CALHM1 ion channel mediates purinergic neurotransmission of sweet, bitter and umami tastes. <i>Nature</i> , 2013, 495, 223-226.	27.8	405
8	Resveratrol mitigates lipopolysaccharide- and $\text{A}\beta$ -mediated microglial inflammation by inhibiting the TLR4/NF- κ B/STAT signaling cascade. <i>Journal of Neurochemistry</i> , 2012, 120, 461-472.	3.9	363
9	A Polymorphism in CALHM1 Influences Ca^{2+} Homeostasis, $\text{A}\beta$ Levels, and Alzheimer's Disease Risk. <i>Cell</i> , 2008, 133, 1149-1161.	28.9	310
10	TMP21 is a presenilin complex component that modulates β -secretase but not γ -secretase activity. <i>Nature</i> , 2006, 440, 1208-1212.	27.8	286
11	Calcium signaling in neurodegeneration. <i>Molecular Neurodegeneration</i> , 2009, 4, 20.	10.8	258
12	AMPK is abnormally activated in tangle- and pre-tangle-bearing neurons in Alzheimer's disease and other tauopathies. <i>Acta Neuropathologica</i> , 2011, 121, 337-349.	7.7	247
13	Presenilin-1 Forms Complexes with the Cadherin/Catenin Cell-Cell Adhesion System and Is Recruited to Intercellular and Synaptic Contacts. <i>Molecular Cell</i> , 1999, 4, 893-902.	9.7	221
14	Novel synthetic small molecule activators of AMPK as enhancers of autophagy and amyloid- β peptide degradation. <i>FASEB Journal</i> , 2011, 25, 219-231.	0.5	209
15	Therapeutic potential of resveratrol in Alzheimer's disease. <i>BMC Neuroscience</i> , 2008, 9, S6.	1.9	178
16	Inhibition of AMP-Activated Protein Kinase Signaling Alleviates Impairments in Hippocampal Synaptic Plasticity Induced by Amyloid β . <i>Journal of Neuroscience</i> , 2014, 34, 12230-12238.	3.6	143
17	Characterization of New Polyclonal Antibodies Specific for 40 and 42 Amino Acid-Long Amyloid β Peptides: Their Use to Examine the Cell Biology of Presenilins and the Immunohistochemistry of Sporadic Alzheimer's Disease and Cerebral Amyloid Angiopathy Cases. <i>Molecular Medicine</i> , 1997, 3, 695-707.	4.4	142
18	Calcium homeostasis modulator 1 (CALHM1) is the pore-forming subunit of an ion channel that mediates extracellular Ca^{2+} regulation of neuronal excitability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1963-71.	7.1	132

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19	AMP-activated protein kinase modulates tau phosphorylation and tau pathology in vivo. Scientific Reports, 2016, 6, 26758.	3.3	95
20	Cathepsin D displays in vitro β -secretase-like specificity. Brain Research, 1997, 750, 11-19.	2.2	94
21	Role of the proteasome in Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2000, 1502, 133-138.	3.8	89
22	Neuroprotective and metabolic effects of resveratrol: Therapeutic implications for Huntington's disease and other neurodegenerative disorders. Experimental Neurology, 2011, 232, 1-6.	4.1	81
23	Role of peroxisome proliferator-activated receptor β in amyloid precursor protein processing and amyloid β -mediated cell death. Biochemical Journal, 2005, 391, 693-698.	3.7	78
24	Intracellular pH regulates amyloid precursor protein intracellular domain accumulation. Neurobiology of Disease, 2007, 25, 686-696.	4.4	78
25	Identification and biology of β -secretase. Journal of Neurochemistry, 2012, 120, 34-45.	3.9	77
26	Small-Molecule Activators of AMP-Activated Protein Kinase (AMPK), RSVA314 and RSVA405, Inhibit Adipogenesis. Molecular Medicine, 2011, 17, 1022-1030.	4.4	75
27	Pomalidomide reverses β -globin silencing through the transcriptional reprogramming of adult hematopoietic progenitors. Blood, 2016, 127, 1481-1492.	1.4	75
28	Chemical synapses without synaptic vesicles: Purinergic neurotransmission through a CALHM1 channel-mitochondrial signaling complex. Science Signaling, 2018, 11, .	3.6	69
29	Proteasome Inhibitors Prevent the Degradation of Familial Alzheimer's Disease-Linked Presenilin 1 and Potentiate A β 242 Recovery from Human Cells. Molecular Medicine, 1998, 4, 147-157.	4.4	67
30	How do taste cells lacking synapses mediate neurotransmission? β -CALHM1, a voltage-gated ATP channel. BioEssays, 2013, 35, 1111-1118.	2.5	66
31	β -Secretase-Derived Product of β -Amyloid Precursor Protein Is Decreased by Presenilin 1 Mutations Linked to Familial Alzheimer's Disease. Journal of Neurochemistry, 1997, 69, 2494-2499.	3.9	63
32	CB2 Receptor Deficiency Increases Amyloid Pathology and Alters Tau Processing in a Transgenic Mouse Model of Alzheimer's Disease. Molecular Medicine, 2014, 20, 29-36.	4.4	55
33	The CALHM1 P86L Polymorphism is a Genetic Modifier of Age at Onset in Alzheimer's Disease: a Meta-Analysis Study. Journal of Alzheimer's Disease, 2010, 22, 247-255.	2.6	54
34	Proteasome Contributes to the β -Secretase Pathway of Amyloid Precursor Protein in Human Cells. Journal of Neurochemistry, 1997, 68, 698-703.	3.9	48
35	Correcting Smad1/5/8, mTOR, and VEGFR2 treats pathology in hereditary hemorrhagic telangiectasia models. Journal of Clinical Investigation, 2020, 130, 942-957.	8.2	48
36	Tacrolimus rescues the signaling and gene expression signature of endothelial ALK1 loss-of-function and improves HHT vascular pathology. Human Molecular Genetics, 2017, 26, 4786-4798.	2.9	45

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37	A mouse model of hereditary hemorrhagic telangiectasia generated by transmammary-delivered immunoblocking of BMP9 and BMP10. <i>Scientific Reports</i> , 2016, 6, 37366.	3.3	44
38	Constitutive and Protein Kinase C-Regulated Secretory Cleavage of Alzheimer's β -Amyloid Precursor Protein: Different Control of Early and Late Events by the Proteasome. <i>Journal of Neurochemistry</i> , 1997, 69, 2500-2505.	3.9	41
39	Salty Taste Deficits in CALHM1 Knockout Mice. <i>Chemical Senses</i> , 2014, 39, 515-528.	2.0	38
40	Protein Kinase A Phosphorylation of the Proteasome: A Contribution to the β -Secretase Pathway in Human Cells. <i>Journal of Neurochemistry</i> , 1996, 67, 2616-2619.	3.9	36
41	CALHM1 controls the Ca ²⁺ -dependent MEK, ERK, RSK and MSK signaling cascade in neurons. <i>Journal of Cell Science</i> , 2013, 126, 1199-1206.	2.0	35
42	Sucrose-conditioned flavor preferences in sweet ageusic T1r3 and Calhm1 knockout mice. <i>Physiology and Behavior</i> , 2014, 126, 25-29.	2.1	34
43	CALHM1-Mediated ATP Release and Ciliary Beat Frequency Modulation in Nasal Epithelial Cells. <i>Scientific Reports</i> , 2017, 7, 6687.	3.3	34
44	Anti-tau conformational scFv MC1 antibody efficiently reduces pathological tau species in adult JNPL3 mice. <i>Acta Neuropathologica Communications</i> , 2018, 6, 82.	5.2	34
45	CALHM1 ion channel elicits amyloid- β clearance by insulin-degrading enzyme in cell lines and <i>in vivo</i> in the mouse brain. <i>Journal of Cell Science</i> , 2015, 128, 2330-2338.	2.0	32
46	ERK1/2 activation in human taste bud cells regulates fatty acid signaling and gustatory perception of fat in mice and humans. <i>FASEB Journal</i> , 2016, 30, 3489-3500.	0.5	30
47	CALHM1 deficiency impairs cerebral neuron activity and memory flexibility in mice. <i>Scientific Reports</i> , 2016, 6, 24250.	3.3	30
48	Identification of potent small-molecule inhibitors of STAT3 with anti-inflammatory properties in RAW264.7 macrophages. <i>FEBS Journal</i> , 2012, 279, 3791-3799.	4.7	29
49	Amyloid-beta peptide degradation in cell cultures by mycoplasma contaminants. <i>BMC Research Notes</i> , 2008, 1, 38.	1.4	28
50	CALHM1 P86L Polymorphism Modulates CSF A β Levels in Cognitively Healthy Individuals at Risk for Alzheimer's Disease. <i>Molecular Medicine</i> , 2011, 17, 974-979.	4.4	26
51	Overexpression of extracellular superoxide dismutase has a protective role against hyperoxia-induced brain injury in neonatal mice. <i>FEBS Journal</i> , 2012, 279, 871-881.	4.7	26
52	Response: CALHM1 Association with Alzheimer's Disease Risk. <i>Cell</i> , 2008, 135, 994-996.	28.9	25
53	Overexpression of Extracellular Superoxide Dismutase Protects against Brain Injury Induced by Chronic Hypoxia. <i>PLoS ONE</i> , 2014, 9, e108168.	2.5	24
54	Haloperidol inactivates AMPK and reduces tau phosphorylation in a tau mouse model of Alzheimer's disease. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2016, 2, 121-130.	3.7	23

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55	CB2 Receptor Deficiency Increases Amyloid Pathology and Alters Tau Processing in a Transgenic Mouse Model of Alzheimer's Disease. <i>Molecular Medicine</i> , 2013, 19, 29-36.	4.4	22
56	Stimulation of Brain AMP-Activated Protein Kinase Attenuates Inflammation and Acute Lung Injury in Sepsis. <i>Molecular Medicine</i> , 2015, 21, 637-644.	4.4	22
57	CNI-1493 inhibits A β production, plaque formation, and cognitive deterioration in an animal model of Alzheimer's disease. <i>Journal of Experimental Medicine</i> , 2008, 205, 1593-1599.	8.5	21
58	The cytoplasmic sequence of E-cadherin promotes non-amyloidogenic degradation of Abeta precursors. <i>Journal of Neurochemistry</i> , 2006, 96, 1182-1188.	3.9	17
59	Growth arrest-specific 1 binds to and controls the maturation and processing of the amyloid- β precursor protein. <i>Human Molecular Genetics</i> , 2011, 20, 2026-2036.	2.9	15
60	Presenilin-1: A Component of Synaptic and Endothelial Adherens Junctions. <i>Annals of the New York Academy of Sciences</i> , 2000, 920, 209-214.	3.8	13
61	Effect of the CALHM1 G330D and R154H Human Variants on the Control of Cytosolic Ca ²⁺ and A β Levels. <i>PLoS ONE</i> , 2014, 9, e112484.	2.5	11
62	Novel resveratrol analogues attenuate renal ischemic injury in rats. <i>Journal of Surgical Research</i> , 2015, 193, 807-815.	1.6	11
63	Molecular and Pharmacological Modulation of CALHM1 Promote Neuroprotection against Oxygen and Glucose Deprivation in a Model of Hippocampal Slices. <i>Cells</i> , 2020, 9, 664.	4.1	11
64	JLK Inhibitors: Isocoumarin Compounds as Putative Probes to Selectively Target the γ -Secretase Pathway. <i>Current Alzheimer Research</i> , 2005, 2, 327-334.	1.4	10
65	CALHM1 Deletion in Mice Affects Glossopharyngeal Taste Responses, Food Intake, Body Weight, and Life Span. <i>Chemical Senses</i> , 2015, 40, 373-379.	2.0	10
66	Extracellular CIRP Activates the IL-6/STAT3/Cdk5 Pathway in Neurons. <i>Molecular Neurobiology</i> , 2021, 58, 3628-3640.	4.0	10
67	Blockade and knock-out of CALHM1 channels attenuate ischemic brain damage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1060-1069.	4.3	9
68	Métabolisme du précurseur du peptide amyloïde et des α -nilines. <i>Medecine/Sciences</i> , 2002, 18, 717-724.	0.2	7
69	A Modification-Specific Peptide-Based immunization Approach Using CRM197 Carrier Protein: Development of a Selective Vaccine Against Pyroglutamate A β Peptides. <i>Molecular Medicine</i> , 2016, 22, 841-849.	4.4	7
70	Intramuscular injection of vectorized-scFvMC1 reduces pathological tau in two different tau transgenic models. <i>Acta Neuropathologica Communications</i> , 2020, 8, 126.	5.2	5
71	Contribution of the Proteasome to the γ -Secretase Pathway in Alzheimer's Disease. <i>Advances in Experimental Medicine and Biology</i> , 1997, 421, 267-272.	1.6	5
72	O3-05-02 FAD-linked presenilin-1 mutations affect the N-cadherin/CBP signaling pathway via a loss-of-function mechanism. <i>Neurobiology of Aging</i> , 2004, 25, S61-S62.	3.1	2

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73	Gas1 Interferes with A β PP Trafficking by Facilitating the Accumulation of Immature A β PP in Endoplasmic Reticulum-Associated Raft Subdomains. <i>Journal of Alzheimer's Disease</i> , 2012, 28, 127-135.	2.6	2
74	Presenilin-1 is a Regulatory Component of the Cadherin Cell Adhesion Complex: Implications for Alzheimer's Disease. , 0, , 521-530.		1
75	Letter to the Editor on "Involvement of AMP-activated-protein-kinase (AMPK) in neuronal amyloidogenesis". <i>Biochemical and Biophysical Research Communications</i> , 2010, 400, 452.	2.1	1
76	Pomalidomide Transcriptionally Reprograms Adult Erythroid Progenitors Independently of Ikaros Proteasomal Degradation. <i>Blood</i> , 2015, 126, 160-160.	1.4	1
77	The Presenilin-3-Secretase Complex Regulates Production of Transcriptional Factors: Effects of FAD Mutations. , 2006, , 398-416.		0
78	CALHM1 Ion Channel Mediates Purinergic Neurotransmission from Taste Buds to Gustatory Nerve Terminals during Sweet and Bitter Perception. <i>Biophysical Journal</i> , 2013, 104, 631a.	0.5	0
79	CNI-1493 inhibits A β production, plaque formation, and cognitive deterioration in an animal model of Alzheimer's disease. <i>Journal of Cell Biology</i> , 2008, 182, i1-i1.	5.2	0
80	Calcium Homeostasis Modulator (CALHM) Ion Channels: Structure, Functions and Physiological Roles. <i>Membrane</i> , 2014, 39, 41-47.	0.0	0