

Olivier Thibault

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63 papers	3,440 citations	31 h-index	58 g-index
64 ext. papers	3,770 ext. citations	5.4 avg, IF	4.78 L-index

#	Paper	IF	Citations
63	Dependence of glucose transport in neuronal model systems on autophagy and GAPDH (glyceraldehyde-3 phosphate dehydrogenase) activity. <i>Brain Research</i> , 2021 , 147747	3.7	0
62	Epididymal Fat-Derived Sympathoexcitatory Signals Exacerbate Neurogenic Hypertension in Obese Male Mice Exposed to Early Life Stress. <i>Hypertension</i> , 2021 , 78, 1434-1449	8.5	0
61	Astrocyte activation and neurovascular function in a diet-based model of vascular contributions to cognitive impairment and dementia (VCID). <i>Alzheimers and Dementia</i> , 2020 , 16, e043618	1.2	
60	BRD4 modulates vulnerability of triple-negative breast cancer to targeting of integrin-dependent signaling pathways. <i>Cellular Oncology (Dordrecht)</i> , 2020 , 43, 1049-1066	7.2	4
59	Electrophysiological and Imaging Calcium Biomarkers of Aging in Male and Female 5FAD Mice. <i>Journal of Alzheimers Disease</i> , 2020 , 78, 1419-1438	4.3	2
58	Elevating Insulin Signaling Using a Constitutively Active Insulin Receptor Increases Glucose Metabolism and Expression of GLUT3 in Hippocampal Neurons. <i>Frontiers in Neuroscience</i> , 2020 , 14, 668	5.1	2
57	Neuronal Calcium Imaging, Excitability, and Plasticity Changes in the Aldh2 ^{-/-} Mouse Model of Sporadic Alzheimer's Disease. <i>Journal of Alzheimers Disease</i> , 2020 , 77, 1623-1637	4.3	2
56	Molecular elevation of insulin receptor signaling improves memory recall in aged Fischer 344 rats. <i>Aging Cell</i> , 2020 , 19, e13220	9.9	1
55	Long-Term Intranasal Insulin Aspart: A Profile of Gene Expression, Memory, and Insulin Receptors in Aged F344 Rats. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 1021-1030	6.4	6
54	The Effects of Bacterial Endotoxin (LPS) on Cardiac and Neural Function in Various Animal Models. <i>FASEB Journal</i> , 2019 , 33, 859.9	0.9	
53	Deletion of tetraspanin CD151 alters the Wnt oncogene-induced mammary tumorigenesis: A cell type-linked function and signaling. <i>Neoplasia</i> , 2019 , 21, 1151-1163	6.4	6
52	Broadening the definition of brain insulin resistance in aging and Alzheimer's disease. <i>Experimental Neurology</i> , 2019 , 313, 79-87	5.7	22
51	Expression of a Constitutively Active Human Insulin Receptor in Hippocampal Neurons Does Not Alter VGCC Currents. <i>Neurochemical Research</i> , 2019 , 44, 269-280	4.6	5
50	Insulin Receptor Plasma Membrane Levels Increased by the Progesterone Receptor Membrane Component 1. <i>Molecular Pharmacology</i> , 2018 , 94, 665-673	4.3	23
49	FK506-Binding Protein 12.6/1b, a Negative Regulator of [Ca], Rescues Memory and Restores Genomic Regulation in the Hippocampus of Aging Rats. <i>Journal of Neuroscience</i> , 2018 , 38, 1030-1041	6.6	14
48	Aging-Related Calcium Dysregulation in Rat Entorhinal Neurons Homologous with the Human Entorhinal Neurons in which Alzheimer's Disease Neurofibrillary Tangles First Appear. <i>Journal of Alzheimers Disease</i> , 2018 , 66, 1371-1378	4.3	8
47	Impact of Single or Repeated Dose Intranasal Zinc-free Insulin in Young and Aged F344 Rats on Cognition, Signaling, and Brain Metabolism. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 189-197	6.4	21

46	Inhibition of the integrin/FAK signaling axis and c-Myc synergistically disrupts ovarian cancer malignancy. <i>Oncogenesis</i> , 2017 , 6, e295	6.6	38
45	imaging of prodromal hippocampus CA1 subfield oxidative stress in models of Alzheimer disease and Angelman syndrome. <i>FASEB Journal</i> , 2017 , 31, 4179-4186	0.9	29
44	Novel calcium-related targets of insulin in hippocampal neurons. <i>Neuroscience</i> , 2017 , 364, 130-142	3.9	13
43	Calcium's role as nuanced modulator of cellular physiology in the brain. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 483, 981-987	3.4	21
42	Intranasal Insulin Improves Age-Related Cognitive Deficits and Reverses Electrophysiological Correlates of Brain Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 30-9	6.4	54
41	Pioglitazone Inhibits the Development of Hyperalgesia and Sensitization of Spinal Nociceptive Neurons in Type 2 Diabetes. <i>Journal of Pain</i> , 2016 , 17, 359-73	5.2	32
40	Short-lived diabetes in the young-adult ZDF rat does not exacerbate neuronal Ca(2+) biomarkers of aging. <i>Brain Research</i> , 2015 , 1621, 214-21	3.7	3
39	Reversal of Aging-Related Neuronal Ca ²⁺ Dysregulation and Cognitive Impairment by Delivery of a Transgene Encoding FK506-Binding Protein 12.6/1b to the Hippocampus. <i>Journal of Neuroscience</i> , 2015 , 35, 10878-87	6.6	41
38	CD151- β 1 integrin complexes are prognostic markers of glioblastoma and cooperate with EGFR to drive tumor cell motility and invasion. <i>Oncotarget</i> , 2015 , 6, 29675-93	3.3	34
37	Vitamin D prevents cognitive decline and enhances hippocampal synaptic function in aging rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E4359-66	11.5	123
36	Aged rats are hypo-responsive to acute restraint: implications for psychosocial stress in aging. <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 13	5.3	28
35	Hippocampal calcium dysregulation at the nexus of diabetes and brain aging. <i>European Journal of Pharmacology</i> , 2013 , 719, 34-43	5.3	22
34	Effect of high-fat diet on metabolic indices, cognition, and neuronal physiology in aging F344 rats. <i>Neurobiology of Aging</i> , 2013 , 34, 1977-87	5.6	60
33	Reduction in neuronal L-type calcium channel activity in a double knock-in mouse model of Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012 , 1822, 546-9	6.9	29
32	Long-term pioglitazone treatment improves learning and attenuates pathological markers in a mouse model of Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2012 , 30, 943-61	4.3	111
31	Imaging of a glucose analog, calcium and NADH in neurons and astrocytes: dynamic responses to depolarization and sensitivity to pioglitazone. <i>Cell Calcium</i> , 2011 , 50, 548-58	4	19
30	Disrupting function of FK506-binding protein 1b/12.6 induces the Ca ²⁺ -dysregulation aging phenotype in hippocampal neurons. <i>Journal of Neuroscience</i> , 2011 , 31, 1693-703	6.6	44
29	Deep sleep and parietal cortex gene expression changes are related to cognitive deficits with age. <i>PLoS ONE</i> , 2011 , 6, e18387	3.7	24

28	Reversal of glial and neurovascular markers of unhealthy brain aging by exercise in middle-aged female mice. <i>PLoS ONE</i> , 2011 , 6, e26812	3.7	53
27	Effects of long-term pioglitazone treatment on peripheral and central markers of aging. <i>PLoS ONE</i> , 2010 , 5, e10405	3.7	36
26	Aging-related gene expression in hippocampus proper compared with dentate gyrus is selectively associated with metabolic syndrome variables in rhesus monkeys. <i>Journal of Neuroscience</i> , 2010 , 30, 6058-71	6.6	50
25	Hippocampal $\text{Zipper}^{\text{Ts}}$ studies reveal a necessary role for calcineurin in the increased activity of L-type Ca^{2+} channels with aging. <i>Neurobiology of Aging</i> , 2010 , 31, 328-38	5.6	31
24	Hippocampal and cognitive aging across the lifespan: a bioenergetic shift precedes and increased cholesterol trafficking parallels memory impairment. <i>Journal of Neuroscience</i> , 2009 , 29, 1805-16	6.6	130
23	Distinct modulation of voltage-gated and ligand-gated Ca^{2+} currents by PPAR-gamma agonists in cultured hippocampal neurons. <i>Journal of Neurochemistry</i> , 2009 , 109, 1800-11	6	60
22	Action potential throughput in aged rat hippocampal neurons: regulation by selective forms of hyperpolarization. <i>Neurobiology of Aging</i> , 2009 , 30, 2053-64	5.6	27
21	Expansion of the calcium hypothesis of brain aging and Alzheimer's disease: minding the store. <i>Aging Cell</i> , 2007 , 6, 307-17	9.9	295
20	Increased vulnerability of hippocampal neurons with age in culture: temporal association with increases in NMDA receptor current, NR2A subunit expression and recruitment of L-type calcium channels. <i>Brain Research</i> , 2007 , 1151, 20-31	3.7	72
19	Hippocampal expression analyses reveal selective association of immediate-early, neuroenergetic, and myelinogenic pathways with cognitive impairment in aged rats. <i>Journal of Neuroscience</i> , 2007 , 27, 3098-110	6.6	183
18	Chronic $1\alpha,25\text{-(OH)}_2$ vitamin D3 treatment reduces Ca^{2+} -mediated hippocampal biomarkers of aging. <i>Cell Calcium</i> , 2006 , 40, 277-86	4	65
17	Early and simultaneous emergence of multiple hippocampal biomarkers of aging is mediated by Ca^{2+} -induced Ca^{2+} release. <i>Journal of Neuroscience</i> , 2006 , 26, 3482-90	6.6	139
16	Preface. Ca^{2+} and neuronal pathology. <i>European Journal of Pharmacology</i> , 2002 , 447, 115-7	5.3	4
15	Sustained Ca^{2+} -induced Ca^{2+} -release underlies the post-glutamate lethal Ca^{2+} plateau in older cultured hippocampal neurons. <i>European Journal of Pharmacology</i> , 2002 , 447, 189-200	5.3	26
14	Group I metabotropic glutamate receptor inhibition selectively blocks a prolonged Ca^{2+} elevation associated with age-dependent excitotoxicity. <i>Neuroscience</i> , 2002 , 112, 183-94	3.9	19
13	Elevated postsynaptic $[\text{Ca}^{2+}]_i$ and L-type calcium channel activity in aged hippocampal neurons: relationship to impaired synaptic plasticity. <i>Journal of Neuroscience</i> , 2001 , 21, 9744-56	6.6	222
12	Expression of $\alpha 1D$ subunit mRNA is correlated with L-type Ca^{2+} channel activity in single neurons of hippocampal "zipper" slices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 4357-62	11.5	44
11	Calcium dysregulation in neuronal aging and Alzheimer's disease: history and new directions. <i>Cell Calcium</i> , 1998 , 24, 417-33	4	144

10	Calcium channel density and hippocampal cell death with age in long-term culture. <i>Journal of Neuroscience</i> , 1997 , 17, 5629-39	6.6	122
9	Aging changes in voltage-gated calcium currents in hippocampal CA1 neurons. <i>Journal of Neuroscience</i> , 1996 , 16, 6286-95	6.6	165
8	Single-channel and whole-cell studies of calcium currents in young and aged rat hippocampal slice neurons. <i>Journal of Neuroscience Methods</i> , 1995 , 59, 77-83	3	13
7	Brain Neuron Preparations for the Study of Aging Changes in Calcium Potentials and Currents. <i>Methods</i> , 1994 , 4, 177-181		3
6	Low Ba ²⁺ and Ca ²⁺ induce a sustained high probability of repolarization openings of L-type Ca ²⁺ channels in hippocampal neurons: physiological implications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 11792-6	11.5	36
5	Hippocampal glucocorticoid receptor activation enhances voltage-dependent Ca ²⁺ conductances: relevance to brain aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 8527-31	11.5	212
4	Mechanisms of neuronal death in brain aging and Alzheimer's disease: role of endocrine-mediated calcium dyshomeostasis. <i>Journal of Neurobiology</i> , 1992 , 23, 1247-60		100
3	Long-lasting physiological effects of bath applied N-methyl-D-aspartate. <i>Brain Research</i> , 1989 , 476, 170-3	3.7	43
2	Antagonism of NMDA receptors impairs acquisition but not retention of olfactory memory.. <i>Behavioral Neuroscience</i> , 1989 , 103, 54-60	2.1	209
1	Chronic administration of a thiol-proteinase inhibitor blocks long-term potentiation of synaptic responses. <i>Brain Research</i> , 1988 , 444, 153-8	3.7	96