

# Alexandre Bouron

## List of Publications by Citations

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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.

52 papers	1,316 citations	22 h-index	34 g-index
56 ext. papers	1,454 ext. citations	5 avg, IF	4.49 L-index

#	Paper	IF	Citations
52	Molecular structures involved in L-type calcium channel inactivation. Role of the carboxyl-terminal region encoded by exons 40-42 in $\alpha_1C$ subunit in the kinetics and $Ca^{2+}$ dependence of inactivation. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 3560-6	5.4	124
51	Different voltage-dependent inhibition by dihydropyridines of human $Ca^{2+}$ channel splice variants. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 10540-3	5.4	98
50	Functional GluR6 kainate receptors in the striatum: indirect downregulation of synaptic transmission. <i>Journal of Neuroscience</i> , <b>2000</b> , 20, 2175-82	6.6	82
49	Modulation of spontaneous quantal release of neurotransmitters in the hippocampus. <i>Progress in Neurobiology</i> , <b>2001</b> , 63, 613-35	10.9	62
48	A role of intracellular $Na^{+}$ in the regulation of synaptic transmission and turnover of the vesicular pool in cultured hippocampal cells. <i>Neuron</i> , <b>1996</b> , 17, 969-78	13.9	59
47	CHMP2B mutants linked to frontotemporal dementia impair maturation of dendritic spines. <i>Journal of Cell Science</i> , <b>2010</b> , 123, 2943-54	5.3	57
46	Permeation, regulation and control of expression of TRP channels by trace metal ions. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2015</b> , 467, 1143-64	4.6	55
45	The antidepressant hyperforin increases the phosphorylation of CREB and the expression of TrkB in a tissue-specific manner. <i>International Journal of Neuropsychopharmacology</i> , <b>2013</b> , 16, 189-98	5.8	46
44	Activation of a capacitative $Ca^{2+}$ entry pathway by store depletion in cultured hippocampal neurones. <i>FEBS Letters</i> , <b>2000</b> , 470, 269-72	3.8	46
43	The TRPC6 channel activator hyperforin induces the release of zinc and calcium from mitochondria. <i>Journal of Neurochemistry</i> , <b>2010</b> , 112, 204-13	6	43
42	Diacylglycerol analogues activate second messenger-operated calcium channels exhibiting TRPC-like properties in cortical neurons. <i>Journal of Neurochemistry</i> , <b>2009</b> , 108, 126-38	6	40
41	The over-expression of TRPC6 channels in HEK-293 cells favours the intracellular accumulation of zinc. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2011</b> , 1808, 2807-18	3.8	38
40	The beta 1-subunit is essential for modulation by protein kinase C of an human and a non-human L-type $Ca^{2+}$ channel. <i>FEBS Letters</i> , <b>1995</b> , 377, 159-62	3.8	35
39	IQGAP1 regulates adult neural progenitors in vivo and vascular endothelial growth factor-triggered neural progenitor migration in vitro. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 4716-24	6.6	34
38	Active transport at the blood-CSF barrier contributes to manganese influx into the brain. <i>Journal of Neurochemistry</i> , <b>2011</b> , 117, 747-56	6	33
37	Triadin (Trisk 95) overexpression blocks excitation-contraction coupling in rat skeletal myotubes. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 39302-8	5.4	31
36	A store-operated $Ca^{2+}$ influx activated in response to the depletion of thapsigargin-sensitive $Ca^{2+}$ stores is developmentally regulated in embryonic cortical neurons from mice. <i>Developmental Brain Research</i> , <b>2005</b> , 159, 64-71		30

35	Functional expression of voltage-gated Na <sup>+</sup> and Ca <sup>2+</sup> channels during neuronal differentiation of PC12 cells with nerve growth factor or forskolin. <i>Naunyn-Schmiedeberg Archives of Pharmacology</i> , <b>1999</b> , 359, 370-7	3.4	30
34	Contribution of calcium-conducting channels to the transport of zinc ions. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2014</b> , 466, 381-7	4.6	29
33	The beta-amyloid precursor protein controls a store-operated Ca <sup>2+</sup> entry in cortical neurons. <i>European Journal of Neuroscience</i> , <b>2004</b> , 20, 2071-8	3.5	23
32	Heterogeneous distribution of TRPC proteins in the embryonic cortex. <i>Histochemistry and Cell Biology</i> , <b>2009</b> , 131, 355-63	2.4	22
31	Second Messenger-Operated Calcium Entry Through TRPC6. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 898, 201-49	3.6	22
30	Intracellular Localization of an Osmocenyl-Tamoxifen Derivative in Breast Cancer Cells Revealed by Synchrotron Radiation X-ray Fluorescence Nanoimaging. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 3461-3465	16.4	18
29	Pharmacological Characterization of the Native Store-Operated Calcium Channels of Cortical Neurons from Embryonic Mouse Brain. <i>Frontiers in Pharmacology</i> , <b>2016</b> , 7, 486	5.6	17
28	Store-depletion and hyperforin activate distinct types of Ca(2+)-conducting channels in cortical neurons. <i>Cell Calcium</i> , <b>2010</b> , 47, 538-43	4	15
27	A zinc-resistant human epithelial cell line is impaired in cadmium and manganese import. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 230, 312-9	4.6	15
26	Hyperforin Potentiates Antidepressant-Like Activity of Lanicemine in Mice. <i>Frontiers in Molecular Neuroscience</i> , <b>2018</b> , 11, 456	6.1	15
25	Differential down-regulation of voltage-gated calcium channel currents by glutamate and BDNF in embryonic cortical neurons. <i>European Journal of Neuroscience</i> , <b>2006</b> , 24, 699-708	3.5	14
24	The anti-inflammatory agent flufenamic acid depresses store-operated channels by altering mitochondrial calcium homeostasis. <i>Neuropharmacology</i> , <b>2009</b> , 56, 1010-6	5.5	13
23	Differential modulation of pharmacologically distinct components of Ca <sup>2+</sup> currents by protein kinase C activators and phosphatase inhibitors in nerve-growth-factor-differentiated rat pheochromocytoma (PC12) cells. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1994</b> , 427, 510-6	4.6	13
22	The thiol-modifying agent N-ethylmaleimide elevates the cytosolic concentration of free Zn(2+) but not of Ca(2+) in murine cortical neurons. <i>Cell Calcium</i> , <b>2010</b> , 48, 37-43	4	12
21	Colchicine affects protein kinase C-induced modulation of synaptic transmission in cultured hippocampal pyramidal cells. <i>FEBS Letters</i> , <b>1997</b> , 404, 221-6	3.8	12
20	The L type calcium current in single hypertrophied cardiomyocytes isolated from the right ventricle of ferret heart. <i>Cardiovascular Research</i> , <b>1992</b> , 26, 662-70	9.9	12
19	Lipid nanocapsules containing the non-ionic surfactant Solutol HS15 inhibit the transport of calcium through hyperforin-activated channels in neuronal cells. <i>Neuropharmacology</i> , <b>2015</b> , 99, 726-34	5.5	10
18	Phyto and endocannabinoids exert complex actions on calcium and zinc signaling in mouse cortical neurons. <i>Biochemical Pharmacology</i> , <b>2018</b> , 152, 244-251	6	9

17	Functional consequences of the over-expression of TRPC6 channels in HEK cells: impact on the homeostasis of zinc. <i>Metallomics</i> , <b>2014</b> , 6, 1269-76	4.5	9
16	Retrograde regulation of store-operated calcium channels by the ryanodine receptor-associated protein triadin 95 in rat skeletal myotubes. <i>Cell Calcium</i> , <b>2007</b> , 41, 179-85	4	9
15	Hyperforin changes the zinc-storage capacities of brain cells. <i>Neuropharmacology</i> , <b>2011</b> , 61, 1321-6	5.5	8
14	Adenosine suppresses protein kinase A- and C-induced enhancement of glutamate release in the hippocampus. <i>European Journal of Neuroscience</i> , <b>1999</b> , 11, 4446-50	3.5	8
13	Possible involvement of a chloride conductance in the transient outward current of whole-cell voltage-clamped ferret ventricular myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1991</b> , 419, 534-6	4.6	8
12	Intracellular Localization of an Osmocenyl-Tamoxifen Derivative in Breast Cancer Cells Revealed by Synchrotron Radiation X-ray Fluorescence Nanoimaging. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 3499-3503	3.6	7
11	The effects of radionuclides on animal behavior. <i>Reviews of Environmental Contamination and Toxicology</i> , <b>2011</b> , 210, 35-58	3.5	7
10	Calyculin-A-induced fast neurite retraction in nerve growth factor-differentiated rat pheochromocytoma (PC12) cells. <i>Neuroscience Letters</i> , <b>1995</b> , 183, 198-201	3.3	7
9	An efficient isolation procedure of Ca-tolerant ventricular myocytes from ferret heart for applications in electrophysiological studies. <i>Biology of the Cell</i> , <b>1990</b> , 70, 121-7	3.5	7
8	Zinc Uptake and Storage During the Formation of the Cerebral Cortex in Mice. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 6928-6940	6.2	4
7	The Deletion of TRPC6 Channels Perturbs Iron and Zinc Homeostasis and Pregnancy Outcome in Mice. <i>Cellular Physiology and Biochemistry</i> , <b>2019</b> , 52, 455-467	3.9	4
6	Transcriptomic Profiling of Ca <sup>2+</sup> Transport Systems During the Formation of the Cerebral Cortex in Mice. <i>Cells</i> , <b>2020</b> , 9,	7.9	4
5	The Na <sup>+</sup> /K <sup>+</sup> -ATPase and the amyloid-beta peptide aβ-40 control the cellular distribution, abundance and activity of TRPC6 channels. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2015</b> , 1853, 2957-65	4.9	3
4	Inhibition of store-operated calcium channels by N-arachidonoyl glycine (NAGly): no evidence for the involvement of lipid-sensing G protein coupled receptors. <i>Scientific Reports</i> , <b>2020</b> , 10, 2649	4.9	2
3	Regulatory mechanisms involved in the activation of bradykinin-induced membrane currents in PC12 cells. <i>Neuroscience Letters</i> , <b>1995</b> , 195, 37-40	3.3	1
2	The direct depressant effect of LCB29 (idrocilamide) on mechanical tension of rat soleus muscle fibers. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>1990</b> , 68, 1503-9	2.4	1
1	Two sites of action for LCB29 (idrocilamide) in depressing mechanical tension of rat soleus muscle fibers?. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>1993</b> , 71, 889-95	2.4	