## **Gabriel Bidaux**

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Functional implications of calcium permeability of the channel formed by pannexin 1. Journal of Cell Biology, 2006, 174, 535-546.	5.2	224
2	Role of Cationic Channel TRPV2 in Promoting Prostate Cancer Migration and Progression to Androgen Resistance. Cancer Research, 2010, 70, 1225-1235.	0.9	200
3	Capacitative calcium entry and transient receptor potential canonical 6 expression control human hepatoma cell proliferation. Hepatology, 2008, 47, 2068-2077.	7.3	191
4	Remodeling of Channel-Forming ORAI Proteins Determines an Oncogenic Switch in Prostate Cancer. Cancer Cell, 2014, 26, 19-32.	16.8	180
5	Prostate cell differentiation status determines transient receptor potential melastatin member 8 channel subcellular localization and function. Journal of Clinical Investigation, 2007, 117, 1647-1657.	8.2	166
6	Lysophospholipids stimulate prostate cancer cell migration via TRPV2 channel activation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 528-539.	4.1	165
7	Novel Role of Cold/Menthol-sensitive Transient Receptor Potential Melastatine Family Member 8 (TRPM8) in the Activation of Store-operated Channels in LNCaP Human Prostate Cancer Epithelial Cells. Journal of Biological Chemistry, 2005, 280, 39423-39435.	3.4	143
8	Disruption of Mitochondria-Associated Endoplasmic Reticulum Membrane (MAM) Integrity Contributes to Muscle Insulin Resistance in Mice and Humans. Diabetes, 2018, 67, 636-650.	0.6	141
9	Evidence for specific TRPM8 expression in human prostate secretory epithelial cells: functional androgen receptor requirement. Endocrine-Related Cancer, 2005, 12, 367-382.	3.1	133
10	Intermediate-conductance Ca2+-activated K+ channels (IKCa1) regulate human prostate cancer cell proliferation through a close control of calcium entry. Oncogene, 2009, 28, 1792-1806.	5.9	127
11	Ca2+-independent Phospholipase A2-dependent Gating of TRPM8 by Lysophospholipids. Journal of Biological Chemistry, 2006, 281, 40174-40182.	3.4	115
12	Ion channels in death and differentiation of prostate cancer cells. Cell Death and Differentiation, 2007, 14, 1295-1304.	11.2	93
13	An Update on the Multifaceted Roles of STAT3 in the Heart. Frontiers in Cardiovascular Medicine, 2019, 6, 150.	2.4	81
14	TRP channel–associated factors are a novel protein family that regulates TRPM8 trafficking and activity. Journal of Cell Biology, 2015, 208, 89-107.	5.2	79
15	The Valosin-containing Protein (VCP) Is a Target of Akt Signaling Required for Cell Survival. Journal of Biological Chemistry, 2006, 281, 14307-14313.	3.4	75
16	CaV3.2 T-type Calcium Channels Are Involved in Calcium-dependent Secretion of Neuroendocrine Prostate Cancer Cells. Journal of Biological Chemistry, 2008, 283, 10162-10173.	3.4	74
17	Epidermal TRPM8 channel isoform controls the balance between keratinocyte proliferation and differentiation in a cold-dependent manner. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3345-54.	7.1	74
18	Effect of Colchicine on Myocardial Injury in Acute Myocardial Infarction. Circulation, 2021, 144, 859-869.	1.6	74

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19	Optimal Differentiation of In Vitro Keratinocytes Requires Multifactorial External Control. PLoS ONE, 2013, 8, e77507.	2.5	74
20	Prospects for prostate cancer imaging and therapy using high-affinity TRPM8 activators. Cell Calcium, 2007, 41, 285-294.	2.4	64
21	Voltage- and cold-dependent gating of single TRPM8 ion channels. Journal of General Physiology, 2011, 137, 173-195.	1.9	60
22	Calcium channels, external calcium concentration and cell proliferation. European Journal of Pharmacology, 2014, 739, 19-25.	3.5	53
23	The Transient Receptor Potential Channel TRPM8 Is Inhibited via the α2A Adrenoreceptor Signaling Pathway. Journal of Biological Chemistry, 2010, 285, 9410-9419.	3.4	51
24	Regulation of Activity of Transient Receptor Potential Melastatin 8 (TRPM8) Channel by Its Short Isoforms. Journal of Biological Chemistry, 2012, 287, 2948-2962.	3.4	43
25	Activation of TRPA1 Channel by Antibacterial Agent Triclosan Induces VEGF Secretion in Human Prostate Cancer Stromal Cells. Cancer Prevention Research, 2017, 10, 177-187.	1.5	34
26	A role for voltage gated T-type calcium channels in mediating "capacitative―calcium entry?. Cell Calcium, 2006, 39, 357-366.	2.4	31
27	Differential role of TRP channels in prostate cancer. Biochemical Society Transactions, 2007, 35, 133-135.	3.4	29
28	4TM-TRPM8 channels are new gatekeepers of the ER-mitochondria Ca2+ transfer. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 981-994.	4.1	29
29	Targeting of short TRPM8 isoforms induces 4TM-TRPM8-dependent apoptosis in prostate cancer cells. Oncotarget, 2016, 7, 29063-29080.	1.8	29
30	Are Orai1 and Orai3 channels more important than calcium influx for cell proliferation?. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 464-472.	4.1	25
31	Prolactin stimulates prostate cell proliferation by increasing endoplasmic reticulum content due to SERCA 2b over-expression. Biochemical Journal, 2007, 401, 49-55.	3.7	24
32	Functional and Modeling Studies of the Transmembrane Region of the TRPM8 Channel. Biophysical Journal, 2015, 109, 1840-1851.	0.5	18
33	Cold/menthol TRPM8 receptors initiate the coldâ€shock response and protect germ cells from coldâ€shock–induced oxidation. FASEB Journal, 2016, 30, 3155-3170.	0.5	17
34	Organelle membrane derived patches: reshaping classical methods for new targets. Scientific Reports, 2017, 7, 14082.	3.3	16
35	Ku86 is important for TrkA overexpressionâ€induced breast cancer cell invasion. Proteomics - Clinical Applications, 2010, 4, 580-590.	1.6	15
36	Short Isoforms of the Cold Receptor TRPM8 Inhibit Channel Gating by Mimicking Heat Action Rather than Chemical Inhibitors. Journal of Biological Chemistry, 2012, 287, 2963-2970.	3.4	15

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37	Fine-tuning of eTRPM8 expression and activity conditions keratinocyte fate. Channels, 2016, 10, 320-331.	2.8	15
38	Improved photodynamic effect through encapsulation of two photosensitizers in lipid nanocapsules. Journal of Materials Chemistry B, 2018, 6, 5949-5963.	5.8	15
39	A modified calcium retention capacity assay clarifies the roles of extra- and intracellular calcium pools in mitochondrial permeability transition pore opening. Journal of Biological Chemistry, 2019, 294, 15282-15292.	3.4	13
40	Evolution of the human cold/menthol receptor, TRPM8. Molecular Phylogenetics and Evolution, 2019, 136, 104-118.	2.7	13
41	Caveolae Contribute to the Apoptosis Resistance Induced by the α1A-Adrenoceptor in Androgen-Independent Prostate Cancer Cells. PLoS ONE, 2009, 4, e7068.	2.5	12
42	Kinetics and prognostic value of soluble VCAMâ€1 in STâ€segment elevation myocardial infarction patients. Immunity, Inflammation and Disease, 2021, 9, 493-501.	2.7	12
43	Critical appraisal of STAT3 pattern in adult cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2019, 131, 91-100.	1.9	11
44	FRET Image Correlation Spectroscopy Reveals RNAPII-Independent P-TEFb Recruitment on Chromatin. Biophysical Journal, 2018, 114, 522-533.	0.5	10
45	ANT2-Mediated ATP Import into Mitochondria Protects against Hypoxia Lethal Injury. Cells, 2020, 9, 2542.	4.1	10
46	Control of cell death/survival balance by the MET dependence receptor. ELife, 2020, 9, .	6.0	10
47	Acute Induction of Translocon-Mediated Ca2+ Leak Protects Cardiomyocytes Against Ischemia/Reperfusion Injury. Cells, 2020, 9, 1319.	4.1	9
48	Impact of Age on Systemic Inflammatory Profile of Patients With ST-Segment–Elevation Myocardial Infarction and Acute Ischemic Stroke. Stroke, 2022, 53, 2249-2259.	2.0	9
49	Co-targeting Mitochondrial Ca2+ Homeostasis and Autophagy Enhances Cancer Cells' Chemosensitivity. IScience, 2020, 23, 101263.	4.1	8
50	HEXIM1 Diffusion in the Nucleus Is Regulated by Its Interactions with Both 7SK and P-TEFb. Biophysical Journal, 2019, 117, 1615-1625.	0.5	7
51	Cooling Uncouples Differentially ROS Production from Respiration and Ca2+ Homeostasis Dynamic in Brain and Heart Mitochondria. Cells, 2022, 11, 989.	4.1	7
52	A Dynamic Transcriptional Analysis Reveals IL-6 Axis as a Prominent Mediator of Surgical Acute Response in Non-ischemic Mouse Heart. Frontiers in Physiology, 2019, 10, 1370.	2.8	1
53	Addendum: Gouriou et al. ANT2-Mediated ATP Import into Mitochondria Protects against Hypoxia Lethal Injury. Cells 2020, 9, 2542. Cells, 2021, 10, 2171.	4.1	1
54	Are Calcium Channels More Important Than Calcium Influx for Cell Proliferation?. , 2013, , 65-92.		0

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55	TRP channel–associated factors are a novel protein family that regulates TRPM8 trafficking and activity. Journal of General Physiology, 2015, 145, 1452OIA1.	1.9	0
56	Optical measurement tools for molecular dynamics studies applied to transcription factors. , 2019, , .		0