

Guillermo Vazquez

List of Publications by Year in descending order

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65
papers

2,694
citations

172457

29
h-index

189892

50
g-index

65
all docs

65
docs citations

65
times ranked

2416
citing authors

#	ARTICLE	IF	CITATIONS
1	The mammalian TRPC cation channels. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2004, 1742, 21-36.	4.1	285
2	The TRPC3/6/7 subfamily of cation channels. <i>Cell Calcium</i> , 2003, 33, 451-461.	2.4	201
3	Emerging perspectives in store-operated Ca ²⁺ entry: Roles of Orai, Stim and TRP. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 1147-1160.	4.1	194
4	Expression Level of the Canonical Transient Receptor Potential 3 (TRPC3) Channel Determines Its Mechanism of Activation. <i>Journal of Biological Chemistry</i> , 2003, 278, 21649-21654.	3.4	140
5	Obligatory Role of Src Kinase in the Signaling Mechanism for TRPC3 Cation Channels. <i>Journal of Biological Chemistry</i> , 2004, 279, 40521-40528.	3.4	132
6	Stimulation of Ca ²⁺ Release-Activated Ca ²⁺ Channels as a Potential Mechanism Involved in Non-Genomic 1,25(OH) ₂ -Vitamin D ₃ -Induced Ca ²⁺ Entry in Skeletal Muscle Cells. <i>Biochemical and Biophysical Research Communications</i> , 1997, 239, 562-565.	2.1	78
7	Mechanisms of Phospholipase C-Regulated Calcium Entry. <i>Current Molecular Medicine</i> , 2004, 4, 291-301.	1.3	78
8	A Calmodulin/Inositol 1,4,5-Trisphosphate (IP ₃) Receptor-binding Region Targets TRPC3 to the Plasma Membrane in a Calmodulin/IP ₃ Receptor-independent Process. <i>Journal of Biological Chemistry</i> , 2003, 278, 25758-25765.	3.4	77
9	Activation of Src kinase in skeletal muscle cells by 1,25-(OH) ₂ -vitamin D ₃ correlates with tyrosine phosphorylation of the vitamin D receptor (VDR) and VDR-Src interaction. <i>Journal of Cellular Biochemistry</i> , 2000, 79, 274-281.	2.6	71
10	The Constitutive Function of Native TRPC3 Channels Modulates Vascular Cell Adhesion Molecule-1 Expression in Coronary Endothelial Cells Through Nuclear Factor κ B Signaling. <i>Circulation Research</i> , 2010, 106, 1479-1488.	4.5	68
11	1 α ,25-Dihydroxy-vitamin-D ₃ -induced Store-operated Ca ²⁺ Influx in Skeletal Muscle Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 33954-33960.	3.4	65
12	An inositol 1,4,5-trisphosphate receptor-dependent cation entry pathway in DT40 B lymphocytes. <i>EMBO Journal</i> , 2002, 21, 4531-4538.	7.8	59
13	Dissociation of Regulated Trafficking of TRPC3 Channels to the Plasma Membrane from Their Activation by Phospholipase C. <i>Journal of Biological Chemistry</i> , 2006, 281, 11712-11720.	3.4	59
14	The Role of Canonical Transient Receptor Potential 7 in B-cell Receptor-activated Channels. <i>Journal of Biological Chemistry</i> , 2005, 280, 35346-35351.	3.4	55
15	Involvement of Native TRPC3 Proteins in ATP-Dependent Expression of VCAM-1 and Monocyte Adherence in Coronary Artery Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 2049-2055.	2.4	51
16	Attenuation of Microbiotal Dysbiosis and Hypertension in a <i>CRISPR/Cas9</i> Gene Ablation Rat Model of <i>GPER1</i> . <i>Hypertension</i> , 2018, 72, 1125-1132.	2.7	50
17	Modulation by 1,25(OH) ₂ -vitamin D ₃ of the adenylyl cyclase/cyclic AMP pathway in rat and chick myoblasts. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1995, 1269, 91-97.	4.1	48
18	Involvement of protein kinase C in the modulation of 1 α ,25-dihydroxy-vitamin D ₃ -induced ⁴⁵ Ca ²⁺ uptake in rat and chick cultured myoblasts. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1996, 1310, 157-162.	4.1	48

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19	17 β -Oestradiol increases intracellular Ca ²⁺ concentration in rat enterocytes. <i>Biochemical Journal</i> , 1999, 339, 71-77.	3.7	47
20	Role of protein kinase C in 1,25(OH) ₂ -vitamin D ₃ modulation of intracellular calcium during development of skeletal muscle cells in culture. , 2000, 77, 200-212.		46
21	The Vitamin D Receptor Mediates Rapid Changes in Muscle Protein Tyrosine Phosphorylation Induced by 1,25(OH) ₂ D ₃ . <i>Biochemical and Biophysical Research Communications</i> , 2001, 289, 1150-1156.	2.1	45
22	Bone marrow deficiency of TRPC3 channel reduces early lesion burden and necrotic core of advanced plaques in a mouse model of atherosclerosis. <i>Cardiovascular Research</i> , 2014, 101, 138-144.	3.8	44
23	Non-genomic stimulation of tyrosine phosphorylation cascades by 1,25(OH) ₂ D ₃ by VDR-dependent and -independent mechanisms in muscle cells. <i>Steroids</i> , 2002, 67, 477-482.	1.8	43
24	Involvement of Tyrosine Kinase Activity in 1 α ,25(OH) ₂ -vitamin D ₃ Signal Transduction in Skeletal Muscle Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 36021-36028.	3.4	41
25	Native TRPC7 Channel Activation by an Inositol Trisphosphate Receptor-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 2006, 281, 25250-25258.	3.4	40
26	Involvement of Calmodulin in 1 α ,25-Dihydroxyvitamin D ₃ Stimulation of Store-operated Ca ²⁺ Influx in Skeletal Muscle Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 16134-16138.	3.4	38
27	TRPC3-like protein and Vitamin D receptor mediate 1 α ,25(OH) ₂ D ₃ -induced SOC influx in muscle cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 1910-1918.	2.8	36
28	Evidence for a prosurvival role of alpha-7 nicotinic acetylcholine receptor in alternatively (M2)-activated macrophages. <i>Physiological Reports</i> , 2013, 1, e00189.	1.7	35
29	Impairment of survival signaling and efferocytosis in TRPC3-deficient macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2011, 410, 643-647.	2.1	33
30	<i>Ceacam1</i> deletion causes vascular alterations in large vessels. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E519-E529.	3.5	30
31	Increased size and cellularity of advanced atherosclerotic lesions in mice with endothelial overexpression of the human TRPC3 channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2201-6.	7.1	29
32	Evidence for constitutive bone morphogenetic protein-2 secretion by M1 macrophages: Constitutive auto/paracrine osteogenic signaling by BMP-2 in M1 macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 154-158.	2.1	29
33	Reduced endoplasmic reticulum stress-induced apoptosis and impaired unfolded protein response in TRPC3-deficient M1 macrophages. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C521-C531.	4.6	28
34	Macrophage function in atherosclerosis. <i>Channels</i> , 2012, 6, 141-148.	2.8	27
35	Requirement for non-regulated, constitutive calcium influx in macrophage survival signaling. <i>Biochemical and Biophysical Research Communications</i> , 2011, 407, 432-437.	2.1	26
36	1 α ,25-(OH) ₂ -Vitamin D ₃ Stimulates the Adenylyl Cyclase Pathway in Muscle Cells by a GTP-Dependent Mechanism Which Presumably Involves Phosphorylation of G β i. <i>Biochemical and Biophysical Research Communications</i> , 1997, 234, 125-128.	2.1	24

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37	Signalling Mechanisms for TRPC3 Channels. Novartis Foundation Symposium, 2008, , 123-139.	1.1	22
38	On the potential role of source and species of diacylglycerol in phospholipase-dependent regulation of TRPC3 channels. Channels, 2010, 4, 232-240.	2.8	21
39	17 β -Oestradiol increases intracellular Ca ²⁺ concentration in rat enterocytes. Biochemical Journal, 1999, 339, 71.	3.7	20
40	Capacitative calcium influx in human epithelial breast cancer and non-tumorigenic cells occurs through Ca ²⁺ entry pathways with different permeabilities to divalent cations. Journal of Cellular Biochemistry, 2003, 88, 1265-1272.	2.6	20
41	Evidence for operation of nicotinic and muscarinic acetylcholine receptor-dependent survival pathways in human coronary artery endothelial cells. Journal of Cellular Biochemistry, 2011, 112, 1978-1984.	2.6	20
42	Reduced Necrosis and Content of Apoptotic M1 Macrophages in Advanced Atherosclerotic Plaques of Mice With Macrophage-Specific Loss of Trpc3. Scientific Reports, 2017, 7, 42526.	3.3	20
43	Reduced calcification and osteogenic features in advanced atherosclerotic plaques of mice with macrophage-specific loss of TRPC3. Atherosclerosis, 2018, 270, 199-204.	0.8	20
44	TRPC3-like protein is involved in the capacitative cation entry induced by 1 α ,25-dihydroxy-vitamin D3 in ROS 17/2.8 osteoblastic cells. Journal of Cellular Biochemistry, 2003, 90, 197-205.	2.6	17
45	Pharmacological evidence for a role of the transient receptor potential canonical 3 (TRPC3) channel in endoplasmic reticulum stress-induced apoptosis of human coronary artery endothelial cells. Vascular Pharmacology, 2016, 76, 42-52.	2.1	17
46	Characterization of a 1,25(OH) ₂ -vitamin D3-responsive capacitative Ca ²⁺ entry pathway in rat osteoblast-like cells. Journal of Cellular Biochemistry, 2002, 86, 678-687.	2.6	12
47	Involvement of calmodulin and calmodulin kinase II in tumor necrosis factor alpha-induced survival of bone marrow derived macrophages. Biochemical and Biophysical Research Communications, 2012, 427, 178-184.	2.1	12
48	TRPC channels as prospective targets in atherosclerosis: terra incognita. Frontiers in Bioscience - Scholar, 2012, S4, 157.	2.1	12
49	Early steatohepatitis in hyperlipidemic mice with endothelial-specific gain of TRPC3 function precedes changes in aortic atherosclerosis. Physiological Genomics, 2016, 48, 644-649.	2.3	12
50	Reduced Size and Macrophage Content of Advanced Atherosclerotic Lesions in Mice with Bone Marrow Specific Deficiency of Alpha 7 Nicotinic Acetylcholine Receptor. PLoS ONE, 2015, 10, e0124584.	2.5	10
51	On the Roles of the Transient Receptor Potential Canonical 3 (TRPC3) Channel in Endothelium and Macrophages: Implications in Atherosclerosis. Advances in Experimental Medicine and Biology, 2016, 898, 185-199.	1.6	10
52	Liver-specific rescuing of CEACAM1 reverses endothelial and cardiovascular abnormalities in male mice with null deletion of Ceacam1 gene. Molecular Metabolism, 2018, 9, 98-113.	6.5	10
53	Rapid actions of calcitriol and its side chain analogues CB1093 and GS1500 on intracellular calcium levels in skeletal muscle cells: a comparative study. British Journal of Pharmacology, 1999, 126, 1815-1823.	5.4	9
54	Deep Transcriptomic Profiling of M1 Macrophages Lacking Trpc3. Scientific Reports, 2017, 7, 39867.	3.3	8

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55	Pleiotropic Effect of a High Resolution Mapped Blood Pressure QTL on Tumorigenesis. PLoS ONE, 2016, 11, e0153519.	2.5	6
56	CACNB2 is associated with aberrant RAS-MAPK signaling in hypertensive Dahl Salt-Sensitive rats. Biochemical and Biophysical Research Communications, 2019, 513, 760-765.	2.1	5
57	TRPC channels as prospective targets in atherosclerosis terra incognita. Frontiers in Bioscience - Scholar, 2012, S4, 157-166.	2.1	5
58	Loss of Hepatic Carcinoembryonic Antigen-Related Cell Adhesion Molecule 1 Links Nonalcoholic Steatohepatitis to Atherosclerosis. Hepatology Communications, 2020, 4, 1591-1609.	4.3	3
59	Micro-RNAs and macrophage diversity in atherosclerosis: New players, new challenges new opportunities for therapeutic intervention?. Biochemistry and Biophysics Reports, 2015, 3, 202-206.	1.3	2
60	Activation of $\alpha 7$ nicotinic acetylcholine receptor protects M2 macrophages from ER stress-induced apoptosis. FASEB Journal, 2013, 27, 884.1.	0.5	1
61	Muscarinic and Nicotinic Acetylcholine Receptor dependent survival signaling in Human Coronary artery Endothelial Cells. FASEB Journal, 2011, 25, lb450.	0.5	0
62	Novel role of nicotinic acetylcholine receptor-dependent signaling in macrophage survival. FASEB Journal, 2011, 25, lb446.	0.5	0
63	Alpha7 nicotinic acetylcholine receptor in macrophage apoptosis and efferocytosis. FASEB Journal, 2012, 26, lb551.	0.5	0
64	Role of Endothelial TRPC3 Channels in Endoplasmic Reticulum Stress Induced Apoptosis in Human Coronary Endothelial Cells. FASEB Journal, 2013, 27, 876.6.	0.5	0
65	CACNB2 expression is positively associated to the Ras/MAPK pathway in vitro and in an experimental model of hypertension. FASEB Journal, 2019, 33, 569.14.	0.5	0