

Carmen Valenzuela

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9062115/publications.pdf>

Version: 2024-02-01

113
papers

3,073
citations

147801

31
h-index

175258

52
g-index

114
all docs

114
docs citations

114
times ranked

2458
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmacology of cardiac potassium channels. <i>Cardiovascular Research</i> , 2004, 62, 9-33.	3.8	398
2	Stereoselective Block of Cardiac Sodium Channels by Bupivacaine in Guinea Pig Ventricular Myocytes. <i>Circulation</i> , 1995, 92, 3014-3024.	1.6	174
3	Stereoselective block of a human cardiac potassium channel (Kv1.5) by bupivacaine enantiomers. <i>Biophysical Journal</i> , 1995, 69, 418-427.	0.5	158
4	On the Molecular Nature of the Lidocaine Receptor of Cardiac Na ⁺ Channels. <i>Circulation Research</i> , 1995, 77, 584-592.	4.5	113
5	Class III Antiarrhythmic Effects of Zatebradine. <i>Circulation</i> , 1996, 94, 562-570.	1.6	86
6	Immunomodulation of voltage-dependent K ⁺ channels in macrophages: molecular and biophysical consequences. <i>Journal of General Physiology</i> , 2010, 135, 135-147.	1.9	74
7	Losartan and Its Metabolite E3174 Modify Cardiac Delayed Rectifier K ⁺ Currents. <i>Circulation</i> , 2000, 101, 1199-1205.	1.6	71
8	Immunomodulatory effects of diclofenac in leukocytes through the targeting of Kv1.3 voltage-dependent potassium channels. <i>Biochemical Pharmacology</i> , 2010, 80, 858-866.	4.4	71
9	Molecular Determinants of Stereoselective Bupivacaine Block of hKv1.5 Channels. <i>Circulation Research</i> , 1997, 81, 1053-1064.	4.5	70
10	A new KCNQ1 mutation at the S5 segment that impairs its association with KCNE1 is responsible for short QT syndrome. <i>Cardiovascular Research</i> , 2015, 107, 613-623.	3.8	67
11	Effects of Irbesartan on Cloned Potassium Channels Involved in Human Cardiac Repolarization. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 304, 862-873.	2.5	66
12	Spironolactone and Its Main Metabolite, Canrenoic Acid, Block Human Ether-a-Go-Related Gene Channels. <i>Circulation</i> , 2003, 107, 889-895.	1.6	65
13	Block of human cardiac Kv1.5 channels by loratadine: voltage-, time- and use-dependent block at concentrations above therapeutic levels. <i>Cardiovascular Research</i> , 1997, 35, 341-350.	3.8	56
14	Activating transcription factor 6 derepression mediates neuroprotection in Huntington disease. <i>Journal of Clinical Investigation</i> , 2016, 126, 627-638.	8.2	56
15	Structural Determinants of Potency and Stereoselective Block of hKv1.5 Channels Induced by Local Anesthetics. <i>Molecular Pharmacology</i> , 1998, 54, 162-169.	2.3	54
16	Effects of propafenone and 5-hydroxy-propafenone on hKv1.5 channels. <i>British Journal of Pharmacology</i> , 1998, 125, 969-978.	5.4	51
17	3- and 6- polyunsaturated fatty acids block HERG channels. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 289, C1251-C1260.	4.6	48
18	Propafenone Preferentially Blocks the Rapidly Activating Component of Delayed Rectifier K ⁺ Current in Guinea Pig Ventricular Myocytes. <i>Circulation Research</i> , 1995, 76, 223-235.	4.5	47

#	ARTICLE	IF	CITATIONS
19	Effects of levobupivacaine, ropivacaine and bupivacaine on HERG channels: stereoselective bupivacaine block. <i>British Journal of Pharmacology</i> , 2002, 137, 1269-1279.	5.4	46
20	Imipramine blocks rapidly activating and delays slowly activating K ⁺ current activation in guinea pig ventricular myocytes. <i>Circulation Research</i> , 1994, 74, 687-699.	4.5	44
21	Effects of Ropivacaine on a Potassium Channel (hKv1.5) Cloned from Human Ventricle. <i>Anesthesiology</i> , 1997, 86, 718-728.	2.5	43
22	Interaction of angiotensin II with the angiotensin type 2 receptor inhibits the cardiac transient outward potassium current. <i>Cardiovascular Research</i> , 2004, 62, 86-95.	3.8	40
23	Effects of n ⁻³ Polyunsaturated Fatty Acids on Cardiac Ion Channels. <i>Frontiers in Physiology</i> , 2012, 3, 245.	2.8	39
24	Assembly with the Kv ^{1.3} Subunit Modulates Drug Block of hKv1.5 Channels. <i>Molecular Pharmacology</i> , 2002, 62, 1456-1463.	2.3	38
25	Putative binding sites for benzocaine on a human cardiac cloned channel (Kv1.5). <i>Cardiovascular Research</i> , 2002, 56, 104-117.	3.8	38
26	Cell cycle-dependent expression of Kv1.5 is involved in myoblast proliferation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 728-736.	4.1	38
27	Modulation of the atrial specific Kv1.5 channel by the n-3 polyunsaturated fatty acid, ω -3 linolenic acid. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 323-335.	1.9	38
28	Gating of cardiac Na ⁺ channels in excised membrane patches after modification by alpha-chymotrypsin. <i>Biophysical Journal</i> , 1994, 67, 161-171.	0.5	36
29	Functional expression of an inactivating potassium channel (Kv4.3) in a mammalian cell line. <i>Cardiovascular Research</i> , 1999, 41, 212-219.	3.8	35
30	Modulation of Voltage-Dependent and Inward Rectifier Potassium Channels by 15-Epi-Lipoxin-A4 in Activated Murine Macrophages: Implications in Innate Immunity. <i>Journal of Immunology</i> , 2013, 191, 6136-6146.	0.8	35
31	Direct Effects of Candesartan and Eprosartan on Human Cloned Potassium Channels Involved in Cardiac Repolarization. <i>Molecular Pharmacology</i> , 2001, 59, 825-836.	2.3	34
32	Negative inotropic effect of somatostatin in guinea pig atrial fibres. <i>British Journal of Pharmacology</i> , 1985, 86, 547-555.	5.4	29
33	Effects of the two enantiomers, S ⁻ and R ⁺ , of a new bradycardic agent on guinea pig isolated cardiac preparations. <i>British Journal of Pharmacology</i> , 1995, 115, 787-794.	5.4	28
34	Electrophysiological Effects of 5-Hydroxypropafenone on Guinea Pig Ventricular Muscle Fibres. <i>Journal of Cardiovascular Pharmacology</i> , 1987, 10, 523-529.	1.9	27
35	Effects of rupatadine, a new dual antagonist of histamine and platelet-activating factor receptors, on human cardiac Kv1.5 channels. <i>British Journal of Pharmacology</i> , 1999, 128, 1071-1081.	5.4	27
36	Blockade of Cardiac Potassium and Other Channels by Antihistamines. <i>Drug Safety</i> , 1999, 21, 11-18.	3.2	27

#	ARTICLE	IF	CITATIONS
37	Mechanisms of block of a human cloned potassium channel by the enantiomers of a new bradycardic agent: Sâ€16257â€2 and Sâ€16260â€2. <i>British Journal of Pharmacology</i> , 1996, 117, 1293-1301.	5.4	26
38	Functional Assembly of Kv7.1/Kv7.5 Channels With Emerging Properties on Vascular Muscle Physiology. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1522-1530.	2.4	26
39	Irvalec Inserts into the Plasma Membrane Causing Rapid Loss of Integrity and Necrotic Cell Death in Tumor Cells. <i>PLoS ONE</i> , 2011, 6, e19042.	2.5	26
40	Effects of propafenone and its main metabolite, 5-hydroxypropafenone, on HERG channels. <i>Cardiovascular Research</i> , 2003, 57, 660-669.	3.8	25
41	Ceramide inhibits K _v currents and contributes to TP-receptor-induced vasoconstriction in rat and human pulmonary arteries. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C186-C194.	4.6	25
42	Celecoxib blocks cardiac Kv1.5, Kv4.3 and Kv7.1 (KCNQ1) channels. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 984-992.	1.9	24
43	Marine n-3 PUFAs modulate IKs gating, channel expression, and location in membrane microdomains. <i>Cardiovascular Research</i> , 2015, 105, 223-232.	3.8	24
44	Ultrafast sodium channel block by dietary fish oil prevents dofetilide-induced ventricular arrhythmias in rabbit hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H1414-H1421.	3.2	23
45	Activation of K _v 7 channels as a novel mechanism for NO/cGMPâ€induced pulmonary vasodilation. <i>British Journal of Pharmacology</i> , 2019, 176, 2131-2145.	5.4	23
46	Tonic and Phasic V _{max} Block Induced by 5-Hydroxypropafenone in Guinea Pig Ventricular Muscles. <i>Journal of Cardiovascular Pharmacology</i> , 1988, 12, 423-431.	1.9	19
47	Voltage- and Use-Dependent Modulation of Calcium Channel Current in Guinea Pig Ventricular Cells by Amiodarone and Des-Oxo-Amiodarone. <i>Journal of Cardiovascular Pharmacology</i> , 1991, 17, 894-902.	1.9	19
48	Protein Kinase C (PKC) Activity Regulates Functional Effects of Kv ² 1.3 Subunit on KV1.5 Channels. <i>Journal of Biological Chemistry</i> , 2012, 287, 21416-21428.	3.4	19
49	Kv ² 1.3 Reduces the Degree of Stereoselective Bupivacaine Block of Kv1.5 Channels. <i>Anesthesiology</i> , 2007, 107, 641-651.	2.5	19
50	Tonic and Frequency-Dependent V _{max} Block Induced by Imipramine in Guinea Pig Ventricular Muscle Fibers. <i>Journal of Cardiovascular Pharmacology</i> , 1990, 15, 414-420.	1.9	18
51	Comparative effects of non-sedating histamine H1 receptor antagonists, ebastine and terfenadine, on human Kv1.5 channels. <i>European Journal of Pharmacology</i> , 1997, 326, 257-263.	3.5	18
52	Effects of a quaternary bupivacaine derivative on delayed rectifier K ⁺ currents. <i>British Journal of Pharmacology</i> , 2000, 130, 391-401.	5.4	18
53	Effect of descarboethoxyloratadine, the major metabolite of loratadine, on the human cardiac potassium channel Kv1.5. <i>British Journal of Pharmacology</i> , 1997, 122, 796-798.	5.4	16
54	Benzocaine enhances and inhibits the K ⁺ current through a human cardiac cloned channel (Kv1.5). <i>Cardiovascular Research</i> , 1999, 42, 510-520.	3.8	16

#	ARTICLE	IF	CITATIONS
55	Electrophysiologic Interactions Between Mexiletine and Propafenone in Guinea Pig Papillary Muscles. <i>Journal of Cardiovascular Pharmacology</i> , 1989, 14, 351-357.	1.9	15
56	Targeting the neuronal calcium sensor DREAM with small-molecules for Huntingtonâ€™s disease treatment. <i>Scientific Reports</i> , 2019, 9, 7260.	3.3	15
57	Effects of 5-hydroxy-propafenone in guinea-pig atrial fibres. <i>British Journal of Pharmacology</i> , 1987, 90, 575-582.	5.4	14
58	Polyunsaturated Fatty Acids Modify the Gating of Kv Channels. <i>Frontiers in Pharmacology</i> , 2012, 3, 163.	3.5	14
59	Elisidepsin Interacts Directly with Glycosylceramides in the Plasma Membrane of Tumor Cells to Induce Necrotic Cell Death. <i>PLoS ONE</i> , 2015, 10, e0140782.	2.5	14
60	Electrophysiologic Interactions Between Mexiletine-Quinidine and Mexiletine-Ropitoin in Guinea Pig Papillary Muscle. <i>Journal of Cardiovascular Pharmacology</i> , 1989, 14, 783-789.	1.9	13
61	Differential regulation of Nav ¹ subunits during myogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 761-766.	2.1	13
62	Electrophysiological Effects of the Combination of Imipramine and Desipramine in Guinea Pig Papillary Muscles. <i>Journal of Cardiovascular Pharmacology</i> , 1993, 21, 13-20.	1.9	12
63	Electromechanical Effects of Zatebradine on Isolated Guinea Pig Cardiac Preparations. <i>Journal of Cardiovascular Pharmacology</i> , 1995, 26, 46-54.	1.9	12
64	Kv1.5-Kv ⁹⁴⁶ ; Interactions: Molecular Determinants and Pharmacological Consequences. <i>Mini-Reviews in Medicinal Chemistry</i> , 2010, 10, 635-642.	2.4	12
65	Electrophysiological effects of Eâ€³753, a new antiarrhythmic drug, in guineaâ€™pig ventricular muscle. <i>British Journal of Pharmacology</i> , 1989, 96, 970-976.	5.4	11
66	Voltage-dependent Na ⁺ channel phenotype changes in myoblasts. Consequences for cardiac repairâ€™. <i>Cardiovascular Research</i> , 2007, 76, 430-441.	3.8	11
67	Stereoselective Interactions between Local Anesthetics and Ion Channels. <i>Chirality</i> , 2012, 24, 944-950.	2.6	11
68	D242N, a KV7.1 LQTS mutation uncovers a key residue for IKs voltage dependence. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 110, 61-69.	1.9	11
69	Stereoselective effects of the enantiomers of a new local anaesthetic, IQB-9302, on a human cardiac potassium channel (Kv1.5). <i>British Journal of Pharmacology</i> , 2001, 132, 385-392.	5.4	10
70	In-Depth Study of the Interaction, Sensitivity, and Gating Modulation by PUFAs on K ⁺ Channels; Interaction and New Targets. <i>Frontiers in Physiology</i> , 2016, 7, 578.	2.8	10
71	Class I and III antiarrhythmic actions of prazosin in guineaâ€™pig papillary muscles. <i>British Journal of Pharmacology</i> , 1994, 111, 717-722.	5.4	9
72	The unconventional biogenesis of Kv7.1-KCNE1 complexes. <i>Science Advances</i> , 2020, 6, eaay4472.	10.3	9

#	ARTICLE	IF	CITATIONS
73	Differential effect of <i>Androctonus australis</i> hector venom components on macrophage KV channels: electrophysiological characterization. <i>European Biophysics Journal</i> , 2019, 48, 1-13.	2.2	8
74	Graphene Particles Interfere with Pro-inflammatory Polarization of Human Macrophages: Functional and Electrophysiological Evidence. <i>Advanced Biology</i> , 2021, 5, e2100882.	2.5	8
75	Bupivacaine effects on hKv1.5 channels are dependent on extracellular pH. <i>British Journal of Pharmacology</i> , 2001, 134, 359-369.	5.4	7
76	Pharmacological Approaches for the Modulation of the Potassium Channel KV4.x and KChIPs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1419.	4.1	7
77	Electrophysiological effects of the combination of mexiletine and flecainide in guinea pig ventricular fibres. <i>British Journal of Pharmacology</i> , 1991, 103, 1411-1416.	5.4	6
78	The induction of NOS2 expression by the hybrid cecropin A melittin antibiotic peptide CA(1-8)M(1-18) in the monocytic line RAW 264.7 is triggered by a temporary and reversible plasma membrane permeation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 110-119.	4.1	6
79	Identification of IQM-266, a Novel DREAM Ligand That Modulates KV4 Currents. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 11.	2.9	6
80	Effects of lisinopril on cardiac contractility and ionic currents. <i>General Pharmacology</i> , 1994, 25, 825-832.	0.7	5
81	Fludarabine Inhibits KV1.3 Currents in Human B Lymphocytes. <i>Frontiers in Pharmacology</i> , 2017, 8, 177.	3.5	5
82	Electrophysiological effects of CRE-1087 in guinea pig ventricular muscles. <i>British Journal of Pharmacology</i> , 1992, 107, 515-520.	5.4	4
83	Effects of lisinopril on electromechanical properties and membrane currents in guinea pig cardiac preparations. <i>British Journal of Pharmacology</i> , 1993, 109, 873-879.	5.4	4
84	Electrophysiological effects of CI-980, a tubulin binding agent, on guinea-pig papillary muscles. <i>British Journal of Pharmacology</i> , 1997, 120, 187-192.	5.4	4
85	IQM-PC332, a Novel DREAM Ligand with Antinociceptive Effect on Peripheral Nerve Injury-Induced Pain. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2142.	4.1	4
86	Electrophysiological effects of amoxapine in untreated and in amoxapine pretreated rat atria. <i>British Journal of Pharmacology</i> , 1986, 87, 317-325.	5.4	3
87	Pharmacological electrical remodelling in human atria induced by chronic I ² -blockade. <i>Cardiovascular Research</i> , 2003, 58, 498-500.	3.8	3
88	<sc>PKC</sc> inhibition results in a <sc>K_v</sc>1.5 + <sc>K_v</sc>I ² </sc>1.3 pharmacology closer to <sc>K_v</sc>1.5 channels. <i>British Journal of Pharmacology</i> , 2014, 171, 4914-4926.	5.4	3
89	M channels and n-3 polyunsaturated fatty acids: role in pain and epilepsy. <i>Acta Physiologica</i> , 2016, 218, 7-9.	3.8	3
90	KV 1.3 channels are novel determinants of macrophage dependent endothelial dysfunction in angiotensin II induced hypertension in mice. <i>British Journal of Pharmacology</i> , 2021, 178, 1836-1854.	5.4	3

#	ARTICLE	IF	CITATIONS
91	Identification of a critical binding site for local anaesthetics in the side pockets of K v 1 channels. <i>British Journal of Pharmacology</i> , 2021, 178, 3034-3048.	5.4	3
92	Tonic and frequency-dependent $\lim_{V \rightarrow V_{max}}$ block induced by (S)-nafendone, a new antidepressant drug, in guinea-pig papillary muscles. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1991, 343, 638-44.	3.0	2
93	Re-Education of Tumor Associated Macrophages by Trabectedin. <i>Biophysical Journal</i> , 2019, 116, 539a-540a.	0.5	2
94	Kv1.5-Kv1.3 Recycling Is PKC-Dependent. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1336.	4.1	2
95	Stereoselective Drug-Channel Interactions. <i>Handbook of Experimental Pharmacology</i> , 2003, , 199-228.	1.8	2
96	Pharmacology of CRE-1087, A New Antiarrhythmic Drug. <i>Cardiovascular Drug Reviews</i> , 1992, 10, 307-322.	4.1	1
97	Differential Regulation Of Nav γ Subunits During Myogenesis. <i>Biophysical Journal</i> , 2009, 96, 250a-251a.	0.5	1
98	Female gender: risk factor for congenital long QT-related arrhythmias. <i>Cardiovascular Research</i> , 2012, 95, 263-264.	3.8	1
99	Trabectedin Re-Educates Resting Peritoneal Macrophages into M1 Subtype. <i>Biophysical Journal</i> , 2017, 112, 405a.	0.5	1
100	Stereoselective Interactions Between Local Anesthetics and Cardiac K ⁺ Channels. <i>Drug Design Reviews Online</i> , 2005, 2, 389-396.	0.7	1
101	Graphene Particles Interfere with Pro-inflammatory Polarization of Human Macrophages: Functional and Electrophysiological Evidence (Adv. Biology 11/2021). <i>Advanced Biology</i> , 2021, 5, .	2.5	1
102	Immunomodulation of Voltage-Dependent K ⁺ Channels in Macrophages: Molecular and Biophysical Consequences. <i>Biophysical Journal</i> , 2010, 98, 118a.	0.5	0
103	439 Rapid effects of Irvalec on tumor cell integrity associated with changes in the ionic membrane conductance. <i>European Journal of Cancer, Supplement</i> , 2010, 8, 139.	2.2	0
104	Celecoxib Blocks Cardiac Kv1.5, Kv4.3 and Kv7.1 (KCNQ1) Channels. Effects on Cardiac Action Potentials. <i>Biophysical Journal</i> , 2011, 100, 429a.	0.5	0
105	Irvalec Inserts Into the Plasma Membrane Causing Rapid Loss of Integrity and Necrotic Cell Death in Tumor Cells. <i>Biophysical Journal</i> , 2012, 102, 65a-66a.	0.5	0
106	Modulation of Kv and Kir Currents by 15-Epi-Lipoxin-A4 in activated Macrophages. Implications for the Regulation of the Innate Immune Response. <i>Biophysical Journal</i> , 2013, 104, 464a.	0.5	0
107	Effects of Cl888 on Kv4.3, Kv4.3/Kchip2C and Kv4.3/KChIP3 Channels. <i>Biophysical Journal</i> , 2014, 106, 544a.	0.5	0
108	Effects of E-LXA4 on Kv and Kir Recorded from Bone Marrow Mouse Macrophages. <i>Biophysical Journal</i> , 2014, 106, 544a.	0.5	0

#	ARTICLE	IF	CITATIONS
109	Pharmacological Consequences of PKC Inhibition on Kv1.5+Kvbeta1.3 Channels. Biophysical Journal, 2015, 108, 278a.	0.5	0
110	A New KCNQ1 Mutation at the S5 Segment that Impairs its Association with KCNE1 is Responsible for Short QT Syndrome. Biophysical Journal, 2016, 110, 448a-449a.	0.5	0
111	IKs Computational Modeling to Enforce the Investigation of D242N, a KV7.1 LQTS Mutation. , 2017, , .		0
112	D242N, a KV7.1 LQTS Mutation Uncovers a KEY Residue for IKS Voltage Dependence. Biophysical Journal, 2018, 114, 307a.	0.5	0
113	Activation of Kv7 contributes to the relaxant effects of the NO/cGMP pathway in the pulmonary circulation. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-3-42.	0.0	0